Lucent Technologies
Bell Labs Innovations

DACS II View
Release 3.0

User's Reference Guide

365-353-802
Issue 1
August 1999

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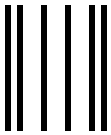

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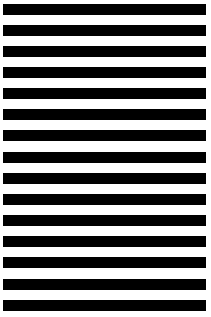

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Contents

Contents

Contents

Contents

Figures

Figures

About This Guide

1

Introduction

Purpose

DACS II View provides DACS provisioning and monitoring capabilities through a graphical user interface. This guide will help you to install and use DACS II View, Release 3.0.

Audience

This guide is for users familiar with Windows applications who have a working knowledge of DACS operations and maintenance.

What's New in this Release

This release of DACS II View supports these new features:

- Supports the latest releases of DACS II and DACS II ISX: DACS II Release 8.2.3 and DACS II ISX Release 3.1.2.
- Supports the DACS II Single Bay Frame and Enclosed Single Bay frame, in addition to the DACS frames supported in previous releases.
- Supports huMan Machine Language (MML). Now DACS II View supports both DACS command languages: MML and PDS.
- Digital Signal Processor Unit (DSPU) provisioning
- Digital Signal Processor (DSP) applications

How To Use This Guide

This guide includes:

Chapter 1: About this Guide describes the content and format of this book.

Chapter 2: System Description describes DACS II View, the system requirements, and the DACS II View operating modes.

Chapter 3: Start Up describes how to install and start DACS II View, and how to connect to a DACS.

Chapter 4: Provisioning describes the Provisioning option of DACS II View.

Chapter 5: Cross-connections and Disconnections contains the procedures for two-point and multi-point cross-connections. Also contains procedures for Digital Signaling Processing (DSP) and Multipoint Junction Unit (MJU) cross-connections.

Chapter 6: Test Access provides procedures to establish test ports, test groups, and test connections.

Chapter 7: Performance Monitoring describes how to change performance monitoring parameters on the DACS and how to query for performance monitoring statistics.

Chapter 8: Administration provides procedures for DACS link administration and DACS user administration. This chapter also covers DACS II View administration, including how to set the automatic alarm query feature and how to change the DACS II View password.

Chapter 9: Alarms describes features of the DACS II View Alarm Window.

Chapter 10: Command Line Cut-Through describes how to access the DACS command line interface.

Chapter 11: Troubleshooting provides solutions to common problems.

Chapter 12: Command Reference lists the DACS commands that DACS II View can execute from each DACS II View window.

Index lists keywords and page numbers for easy reference.

Conventions

This guide uses a few typographical conventions:

Windows menu options are shown separated by commas. For example, choose Start, Run.

Buttons that appear on the screen and keys that appear on the keyboard are shown in **bold**. For example, click **Connect** or press **Enter**.

Terms

Throughout this guide, these terms are used:

- *DACS* is used to refer to all of the products that DACS II View supports:
  - DACS II ISX
  - DACS II Capacity Expansion Frame
  - DACS II Enclosed Capacity Expansion Frame
  - DACS II Single Bay Frame
  - DACS II Enclosed Single Bay Frame.
- *DACS II (E)CEF* are used to refer to both the DACS II Capacity Expansion Frame and DACS II Enclosed Capacity Expansion Frame.
- *DACS II (E)SBF* is used to refer to both the DACS II Single Bay Frame and the DACS II Enclosed Single Bay Frame.
- *DACS II* is used to refer to all DACS frames, except the DACS II ISX.

Screen Samples

Most DACS II View screen samples shown in this document are for DACS II . Similar screens appear for the DACS II ISX.

The screen samples shown in this document have command responses in the PDS language. Depending on which language you choose through DACS II View, command responses will appear in either PDS or MML.

Related Documents

For complete information on DACS functions and commands, refer to the DACS II and DACS II ISX documents. These documents are issued to support each software release.

Table 1-1. DACS II Documents

Title	Document Number
DACS II Operations and Maintenance, Release 8.2.3, PDS	365-353-221
DACS II Commands and Messages, Release 8.2.3, PDS	365-353-222
DACS II Quick Reference Guide, Release 8.2.3, PDS	365-353-223
DACS II Operations and Maintenance, Release 8.2.3, MML	365-353-231
DACS II Commands and Messages, Release 8.2.3, MML	365-353-232
DACS II Quick Reference Guide, Release 8.2.3, MML	365-353-233

Table 1-2. DACS II ISX Documents

Title	Document Number
DACS II ISX Operations and Maintenance, Release 3.1.2, PDS	365-359-100
DACS II ISX Commands and Messages, Release 3.1.2, PDS	365-359-101
DACS II ISX Quick Reference Guide, Release 3.1.2, PDS	365-359-102
DACS II ISX Operations and Maintenance, Release 3.1.2, MML	365-359-110
DACS II ISX Commands and Messages, Release 3.1.2, MML	365-359-111
DACS II ISX Quick Reference Guide, Release 3.1.2, MML	365-359-112

Table 1-3. Other Related Documents

Title	Document Number
Digital Multipoint Bridge (DMB) DSP Platform Application, Release 1.0.2, PDS DACS II Release 1.0.3, PDS, DACS II ISX User's Manual	365-353-144
Digital Multipoint Bridge (DMB) DSP Platform Application, Release 1.0.2, MML DACS II Release 1.0.3, MML, DACS II ISX User's Manual	365-353-154
X.50/X.57 Subrate Application Release 1.0.3, MML, DACS II Release 1.0.4 MML, DACS II ISX User's Manual	365-350-101
DDS Subrate and MJU Application Release 1.0.4, PDS DACS II Release 1.0.5, PDS, DACS II ISX User's Manual	365-350-110
DDS Subrate and MJU Application Release 1.0.4, MML, DACS II Release 1.0.5, MML, DACS II ISX User's Manual	365-350-111

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System Description

2

Overview

Description

DACS II View enables you to manage and monitor these DACS products:

- DACS II Single Bay Frame
- DACS II Enclosed Single Bay Frame
- DACS II Capacity Expansion Frame
- DACS II Enclosed Capacity Expansion Frame
- DACS II ISX

DACS II View provides a graphical user interface with point-and-click operation, cross-connect diagrams, and representational views of the DACS depicting the shelves, units, and circuit packs.

Based on the user's selections, DACS II View automatically generates DACS commands.

Functions Supported

DACS II View provides these functions:

- DACS II (E)CEF provisioning for units, Network Processing Circuits (NPCs), and common equipment, including Enhanced Cross-Connect Networks (ECCNs), Timing Link Interfaces (TLIs), and the Master Controller
- DACS II (E)SBF provisioning for units, Network Processing Circuits (NPCs), and common equipment, including Cross-Connect Networks (CCNs), Timing Link Interfaces (TLIs), and the Master Controller
- DACS II ISX provisioning for Network Processing Modules (NPMs), NPCs, and common equipment, including Synchronizer Cross-Connects (SXCs), TLIs, Timing References (TREFs), and the Master Controller
- Cross-connect provisioning
- Test access
- Performance monitoring
- Administration
- Alarm monitoring
- Capability to access DACS command line
- History log of commands

Uses

DACS II View can be used as:

- a tool to initially configure a DACS
- a portable troubleshooting tool
- a Central Office Craft Interface Terminal
- a Network Management Center (NMC) application

Limitations

DACS II View is designed to meet the administrative and alarm monitoring needs of small DACS networks. With this in mind, the system accommodates:

- Connection to one DACS at a time. This can be either a serial or modem connection.
- Only one user can run DACS II View at a time. It is not designed for multiple user sessions.
- Live connection to DACS only. There is no local database maintained on the PC that mirrors the DACS.
- Data is retrieved from the DACS when you press **Query.** When you disconnect or exit DACS II View, all information associated with the last connection is cleared from the screens.
- All user actions are executed immediately. Tasks cannot be scheduled.
- SNIDER protocol only.
- DACS II View does not support SLC® provisioning.

Supported Releases

DACS II View supports:

- DACS II running Release 7.x through 8.2.3
- DACS II ISX Release 2.0, and Release 3.x

Operating Modes

DACS II View has two modes: **Alarm Mode** and **Active Mode**.

In **Alarm Mode**, DACS II View acts as an alarm monitor only. Alarms are displayed as they occur and are added to the list in the Alarm Window. This mode is useful when you want to monitor the DACS but will not be responding to alarms immediately, such as during lunch and after hours. In Alarm Mode, you cannot access any other functions of DACS II View.

In **Active Mode**, DACS II View acts as an alarm monitor and a vehicle for provisioning, administration, test access, performance monitoring and cross-connect actions. In addition, you can communicate with the DACS via the command line. If DACS II View is in Active Mode and left idle, the connection is automatically switched to Alarm Mode. You can set the number of minutes of idle time or use the default of 10 minutes. See Chapter 8 for details.

You can switch freely between modes while still maintaining a connection. Each time you switch to Active Mode, you are prompted for the DACS II View password.

Establishing Alarm Mode or Active Mode

Figure 2-1 provides a quick overview of the procedure for accessing Alarm Mode or Active Mode. Step-by-step procedures are included in Chapter 3, “Start Up.”

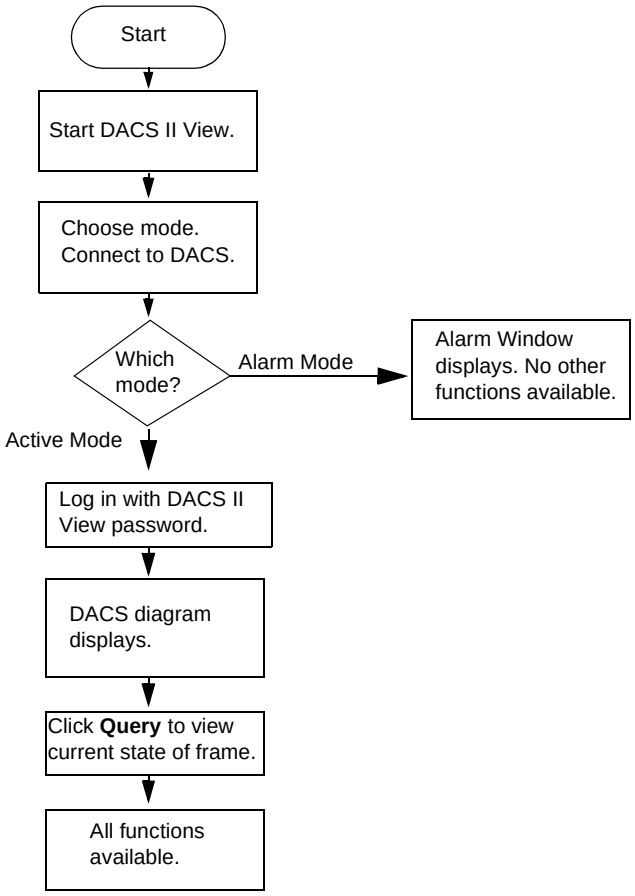


Figure 2-1. Flow Diagram for Accessing Alarm Mode and Active Mode

Start Up

3

Overview

This section describes how to initially set up your system, log in, and connect to a DACS through DACS II View.

When you initially set up your system, use the following procedures in sequence:

- "Provisioning the DACS Administration Link"

  The administration link on the DACS must be provisioned correctly to establish proper communication with DACS II View.

- "Making the Physical Connection to the DACS II" or "Making the Physical Connection to the DACS II ISX"

  The physical connection to the DACS must be in place before using the DACS II View to connect to a DACS. There are separate procedures for connecting a DACS II and connecting a DACS II ISX.

- "Installing DACS II View"

Provisioning the DACS Administration Link

Description

The administration link on the DACS must be provisioned correctly to establish proper communication with the DACS II View. The proper settings for the administration link are 9600 Baud, Enq/Ack Disabled, Xon/Xoff Disabled, Language PDS or MML, NPC Addressing Extended or Hierarchical, Input Screening Level High, and Restricted Maintenance On.

The following procedure explains how to establish a connection to the DACS utilizing the DACS' administration port located on the front status panel of the system. This procedure is used to make a direct connection with a personal computer to the DACS. However, the user could use any Snider Link (Link 1-4) on the DACS system to establish the connection. If this is the case, simply replace the link number in the following commands with the appropriate link number.

Procedure

To provision the administrative link on the DACS:

1. Acquire restricted maintenance privileges by logging into the DACS as the frame administrator using the craft terminal that is connected locally to the DACS.

   NOTE:
   Since the DACS you are connected to may be provisioned to communicate in either the PDS or MML language, all commands in this procedure are presented in both languages for your convenience.

   Input Command:

   LOGIN::USER DAX! (PDS)

   LGN-USER:::DAX; (MML)

2. The system will then prompt you for the PASSWORD. Enter the following PASSWORD and a carriage return:

   Input Command:

   HELLO000

   NOTE:
   This is the default password for user DAX, it is possible that the password has been changed. The user must obtain the proper password to gain access to the DACS. The default password is

"HELLO" with three zeroes at the end. This password is not echoed back on the terminal screen.

3. Remember to verify that complete messages are received in response to all DACS commands. You should receive output similar to the following:

   Output Response:

```
LOGIN USER DAX COMPL (PDS)
                    or
LGN-USER::::DAX COMPLD (MML)


WARNING MESSAGE
THIS SYSTEM IS RESTRICTED TO AUTHORIZED USERS FOR
BUSINESS PURPOSES. UNAUTHORIZED ACCESS IS A VIOLATION
OF THE LAW. THIS SERVICE MAY BE MONITORED FOR
ADMINISTRATIVE AND SECURITY REASONS. BY PROCEEDING,
YOU CONSENT TO THIS MONITORING.
```

4. Enter the DACS II or DACS II ISX command to change the message language to the desired command language: PDS (P) or MML (M), set the NPC Addressing to Extended (see Note), set the Input Screening Level to High, and enable Restricted Maintenance privileges for administrative link 1:

- **For DACS II**

  Input Command:

```
ADD::LINK 1,LANG P,NPCAD E,LEV(1,1,1,1,1,1),RMON!
(PDS)

SET-PRVG-TERM::::1:LANG-P:NPCAD-E:\  (MML)

LEV-1&-1&-1&-1&-1&-1:RMON::;
```

NOTE:
To specify the MML command language, replace the **P** option for LANG with an **M**.

NOTE:
Depending on how the DACS II has been configured, a DACS II frame supports hierarchical (**H**), 3-digit extended (**E**), or 4-digit extended (**X**) NPC Addressing. If the command above is denied, replace the **E** option for NPCAD with an **X** or **H**.

Output Response:

```
M 00:03:45 00,00 1 ADD LINK 1  2 LN MSG: (PDS)
LANG P NPCAD E LEV(1,1,1,1,1,1) RMON COMPL
```

or

```
    00:03:45 00,00 LINK-1                (MML)
M  SET PRVG TERM::::1:LANG-P:NPCAD-E:\
LEV-1&-1&-1&-1&-1&-1:RMON:: COMPLD
```

- **For DACS II ISX**

Input Command:

```
ADD::LINK 1,LANG P,LEV(1,1,1,1,1,1),RMON! (PDS)
SET-PRVG-TERM::::1:LANG-P::\               (MML)
LEV-1&-1&-1&-1&-1&-1:RMON::;
```

NOTE:
To specify the MML command language, replace the **P** option for LANG with an **M**.

NOTE:
DACS II ISX only supports 3-digit NPC addressing, therefore no NPCAD option is required.

Output Response:

```
M 00:03:45 00,00 1 ADD LINK 1  2 LN MSG: (PDS)
LANG P LEV(1,1,1,1,1,1) RMON COMPL
```

or

```
    00:03:45 00,00 LINK-1                (MML)
M  SET PRVG TERM::::1:LANG-P::\
LEV-1&-1&-1&-1&-1&-1:RMON:: COMPLD
```

5. Enter the following command to change link 1's output screening to capture all output:

   Input Command:

   CHG::LINK 1,SCR 5! (PDS)

   SET-PRVG-TERM::::1:SCR-5:; (MML)

   Output Response:

```
M 00:03:45 00,00 1 CHG LINK 1  2 LN MSG:  (PDS)
SCR 5 COMPL
```

   or

```
   00:03:45 00,00 LINK-1                  (MML)
M  SET PRVG TERM::::1:SCR-1:: COMPLD
```

6. Enter the following command to set link 1's baud rate to 9600, disable Enq/Ack and disable Xon/Xoff:

   Input Command:

   ADD::LINK 1,PTCOL S,BAUD 96,ENQ 0,XON 0! (PDS)

   ED-PRMTR-LINK::1::PTCOL-S,BAUD-96,ENQ-0\ (MML)

   ,XON-0:;

   Output Response:

```
M 00:03:45 00,00 1 ADD LINK 1 PTCOL S BAUD 96\ (PDS)
2 LN MSG:
ENQ 0 XON 0 COMPL
```

   or

```
   00:03:45 00,00 LINK-1                  (MML)
M  ED PRMTR LINK::1::PTCOL-S,BAUD-96,\
   ENQ-0,XON-0:  COMPLD
```

NOTE:
If the craft terminal you are using is connected to link 1 and is not configured for 9600 baud, you will need to set the terminal to 9600 baud to continue.

7. To incorporate the new settings you must LOGOFF as the frame administrator.

   Input Command:

   LOGOFF::USER DAX! (PDS)

   LGT-USER:::DAX; (MML)

8. Now, you are ready to make the physical connection to the DACS.

For:	See Section:
DACS II	Making the Physical Connection to a DACS II
DACS II ISX	Making the Physical Connection to a DACS II ISX

Making the Physical Connection to a DACS II

Description

There are three options for making the physical connection to the DACS II:

- Connect a PC to the administration port located on the status panel in the front of the system.
- Connect a PC to one of the four administration ports located in the back of the system.
- Connect a modem to one of the four administration ports located in the back of the system.

This procedure describes how to make a physical connection for a PC to the administration port located on the status panel in the front of the DACS II. Any exceptions to the procedure are noted for the other types of connections.

Procedure

To connect a DACS II to a PC, follow these steps:

1. To utilize the administration port on the front of the DACS II, you must remove anything that is connected to Link 1 on the back of the DACS II. Physically remove any connection from Link 1 now.

   NOTE:
   If you are not connecting to the front on the DACS II, skip this step.

2. Connect one end of a RS-232 cable to the serial COM port of the PC or to a modem.

   NOTE:
   If connecting to a modem, ensure that the modem is configured for 9600 baud, 7 start bits, 1 stop bit and even parity.

3. Connect an ED2C646-30 G2, G5, G11, or G15 RS449/RS232 adapter to the opposite end of the RS232 cable.

   NOTE:
   If connecting to a modem, you must use an ED2C646-30 G1, G4, G10, or G14 RS449/RS232 adapter.

4. Connect the ED2C646 adapter to the administration port located on the status panel in the front of the system.

NOTE:
If connecting to one of the four administration ports with a PC or using a modem, connect the RS449/RS232 adapter to the appropriate port on the back of the DACS II.

5. Test the link. Connect to the DACS from your PC, with a terminal emulator program such as Hyperterminal. To access Hyperterminal, from the Windows NT task bar select Start, Programs, Accessories, Hyperterminal.

Making the Physical Connection to a DACS II ISX

Description

There are three options for making the physical connection to the DACS II ISX:

- Connect a PC to the administration port located on the status panel in the front of the system.
- Connect a PC to one of the four administration ports located in the back of the system.
- Connect a modem to one of the four administration ports located in the back of the system.

This procedure describes how to make a physical connection for a PC to the administration port located on the status panel in the front of the DACS II ISX. Any exceptions to the procedure are noted for the other types of connections.

Procedure

To connect a DACS II ISX to a PC, follow these steps:

1. To utilize the administration port on the front of the DACS II ISX, you must remove anything that is connected to Link 1 on the back of the DACS II ISX. Physically remove any connection from Link 1 now.

   NOTE:
   If you are not connecting to the front on the DACS II ISX, skip this step.

2. Connect one end of a RS-232 cable to the serial COM port of the PC or to a modem.

   NOTE:
   If connecting to a modem, ensure that the modem is configured for 9600 baud, 7 start bits, 1 stop bit and even parity.

3. Connect the opposite end of the RS232 cable to the administration port located on the status panel in the front of the DACS II ISX.

   NOTE:
   If you are connecting to the back of the DACS II ISX, you will need to attach a null modem adapter to the RS232 cable before connecting to the administration port.

4. Test the link. Connect to the DACS from your PC, with a terminal emulator program such as Hyperterminal. To access Hyperterminal, from the Windows NT task bar select Start, Programs, Accessories, Hyperterminal.

Installing DACS II View

Overview

Use this procedure to install DACS II View on your PC.

PC Requirements

To install DACS II View, you need:

- Pentium®-based PC (desktop or laptop) with Windows® NT 4.0 operating system
- 32 MB of RAM
- Hard disk with at least 10MB of space available
- Mouse or other pointing device
- CD-ROM drive
- One available COM port
- Modem (optional)

Installing from CD-ROM

The DACS II View CD-ROM contains the DACS II View software, Release 2.0 and an online version of this user guide.

To install DACS II View on your system:

1. Start Windows NT 4.0.
2. Insert the DACS II View CD into your CD-ROM drive.
3. If the installer window does not appear automatically, click Start, Run from the Window NT task bar.
4. Type:

   d:\setup.exe

   (where d: is the letter of the drive containing the DACS II View CD).
5. Click **OK**.
6. Follow the on-screen prompts to complete the installation.

   When the installation is complete, an icon for DACS II View appears on the desktop.

Starting DACS II View

Overview

This procedure describes how to start DACS II View.

Procedure

To start DACS II View, double-click the DACS II View icon from the desktop. The Title Window displays briefly while the software is initialized, then the Main Window displays. The Main Window is described in the following section.

Main Window

Overview

When you are running DACS II View, the Main Window is always visible. This section describes the parts of the Main Window.

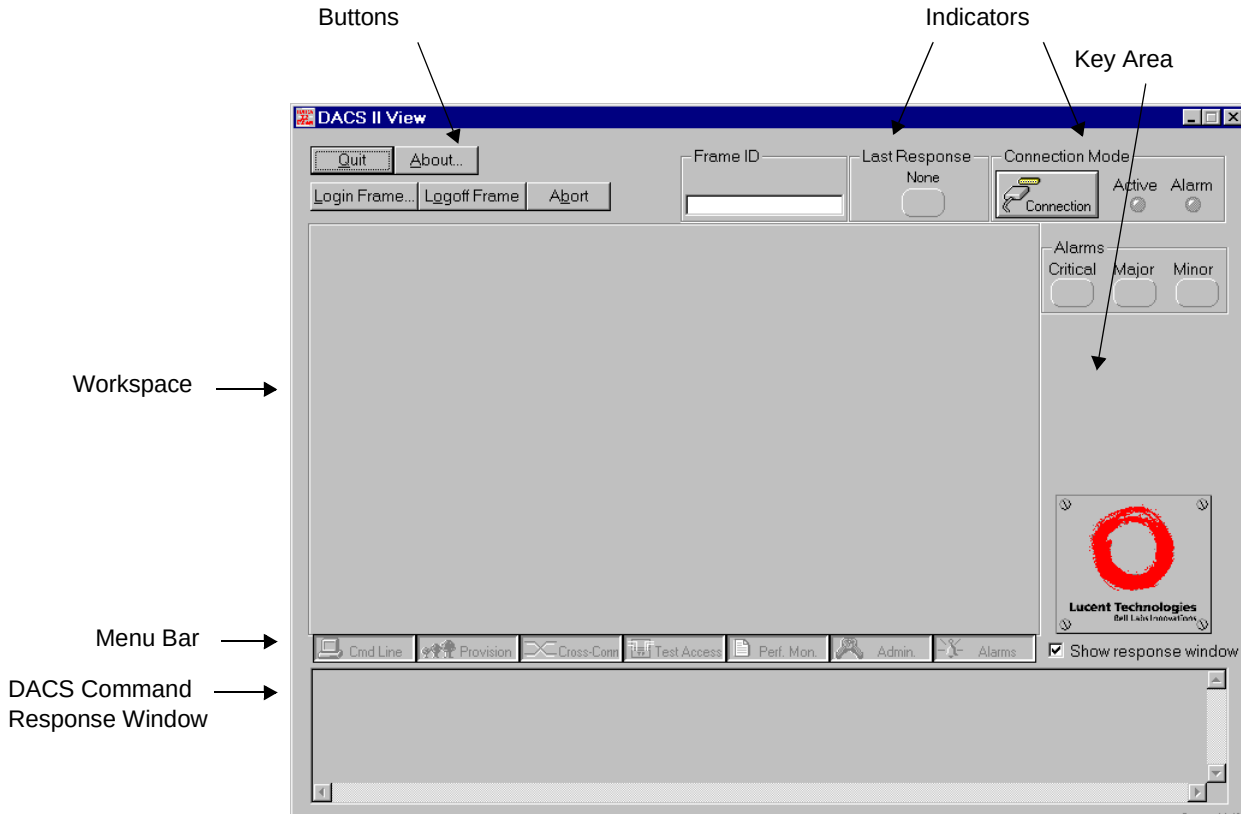


Figure 3-1. Parts of the Main Window

Parts of the Main Window

Each of the parts of the Main Window are described below.

- **Buttons**: The following buttons appear in the top left corner of the Main Window:
  - **About..**. displays the software version number and copyright information.
  - **Login Frame..**. enables you to log in to the DACS.
  - **Logoff Frame** enables you to log off the DACS.
  - **Quit** exits DACS II View.
  - **Abort** enables you to stop a currently executing command.
- **Indicators**: The top right corner of the Main Window has these indicators:
  - **FRAME ID**: displays the name of the connected DACS.
  - **LAST RESPONSE**: displays the last response from the DACS to a command. There are four possible responses:

    None: No command has been issued to the DACS.

    In Progress: A command is currently being executed.

    Complete: The DACS has successfully completed the last command.

    Deny: The DACS rejected the last command.
  - **CONNECTION MODE**: This area contains two items:

    Connection button: Use this button to establish a new connection, disconnect, display connection parameters or choose operating mode.

    Mode indicator: Indicates the user-selected mode for the connection: Active or Alarm.
  - **ALARM indicators**:These indicators light up when a critical, major, or minor alarm occurs. The indicator stays lit until all alarms with that severity level are cleared. For example, if there are two major alarms, the light will show until both are cleared and DACS II View has retrieved the current alarm state. For more information on retrieving the current alarm state, refer to Chapter 9, Alarms.

    Informational alarms are logged in the Alarms Window, however there is no indicator for them in the Main Window.
- **Key Area**: Depending on which workspace is visible, this area may display the hardware status color key, cross-connect diagrams, or test configurations.

- **Workspace**: The center of the Main Window is the area where all other windows appear, including the Provisioning, Cross-Connect, Command Line, Test Access, Performance Monitoring, Administration, and Alarms windows.
- **Menu Bar**: The menu bar appears below the workspace. It lists all of the DACS II View options. The options that appear shadowed are not available.

  NOTE:
  When you revisit menu options, DACS II View displays the last window you visited. For example, Test Access has three windows. If you left Test Access from the second window, when you return to Test Access the second window is redisplayed.

- **Show Response Window:** Check this box to display the DACS Command Response Window. Remove the check to hide the DACS Command Response Window.
- **DACS Command Response Window**: The bottom of the Main Window displays all responses from the DACS in the PDS or MML command language.

Connecting to the DACS

Overview

This section describes how to connect to a DACS through DACS II View.

Before you begin

The hardware connection to the DACS must be in place and tested before using DACS II View to connect to a DACS. Make sure the following procedures in this chapter have been completed:

- Provisioning the DACS Administration Link
- Making the Physical Connection to the DACS II or Making the Physical Connection to the DACS II ISX
- Installing DACS II View
- Starting DACS II View

Procedure

To establish a new connection to a DACS through DACS II View:

1. In the Main Window, click on **Connection**.

   The Connection Window displays.

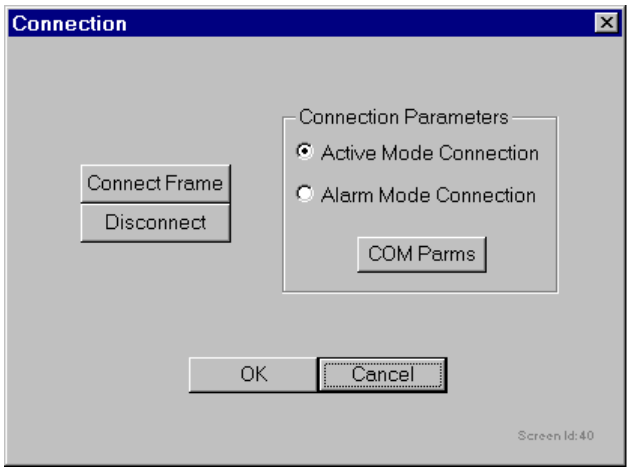


Figure 3-2. Connection Window

2. Select Active Mode Connection or Alarm Mode Connection.
3. Click **COM Parms**.

The Com Options Window displays.

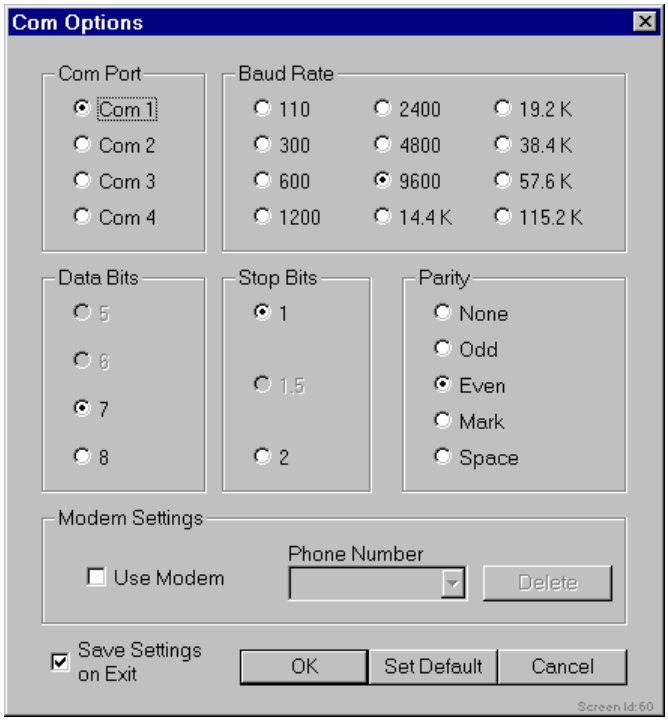


Figure 3-3. Com Options Window

4. Verify or change the settings in the Com Options Window.

   The default settings are for a serial connection on COM 1. If you are using a different Com port, select it now.

   If you are using a modem, click **Use Modem.** Enter the phone number or select one from the pulldown list. Valid entries are 0-9, dash, and comma.

5. Check **Save Settings on Exit** to store these settings as the new defaults.

6. Click **OK**.

   The Connection Window displays again.

7. Click **Connect Frame**.

The Connect Frame Window displays.

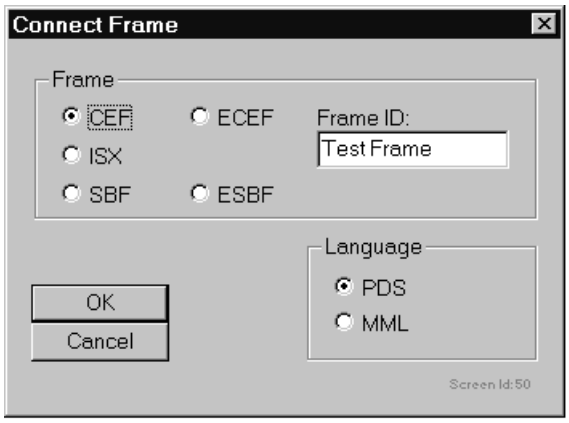


Figure 3-4. Connect Frame Window

8. Identify the frame type, a Frame ID (name for DACS), and language used, then click **OK**.

   For an Alarm Mode Connection, the Alarm Window displays. You have completed this procedure. See Chapter 9, “Alarms,” for information on the Alarm Window.

   For an Active Mode Connection, continue with step 9.

   For an Active Mode Connection, the Login box displays.

Figure 3-5. Login Box

9. Type in the DACS II View password, then click **OK**.

If	Then
this is the first login,	Enter the default password, ***dacsview*** at the login prompt. When prompted, enter a new password.
this is a subsequent login,	Enter the established password.
you want to change the password,	Log in using the established password. From the Main Window, click on the **Admin** button. Click on **DACS II View Admin**. Click **Change Password**. You will be prompted to enter the new password twice.
you have forgotten the password,	Call Lucent Technologies technical assistance at 1-800-225-4672.

10. After you login, a diagram of the DACS appears, like the one shown in Figure 3-6.
    a. Click **Query** to update the diagram with the current hardware configuration and status information from the connected DACS.

b. You are now ready to provision the DACS or select any of the available options from the menu bar. See Chapters 4 through 10 for details.

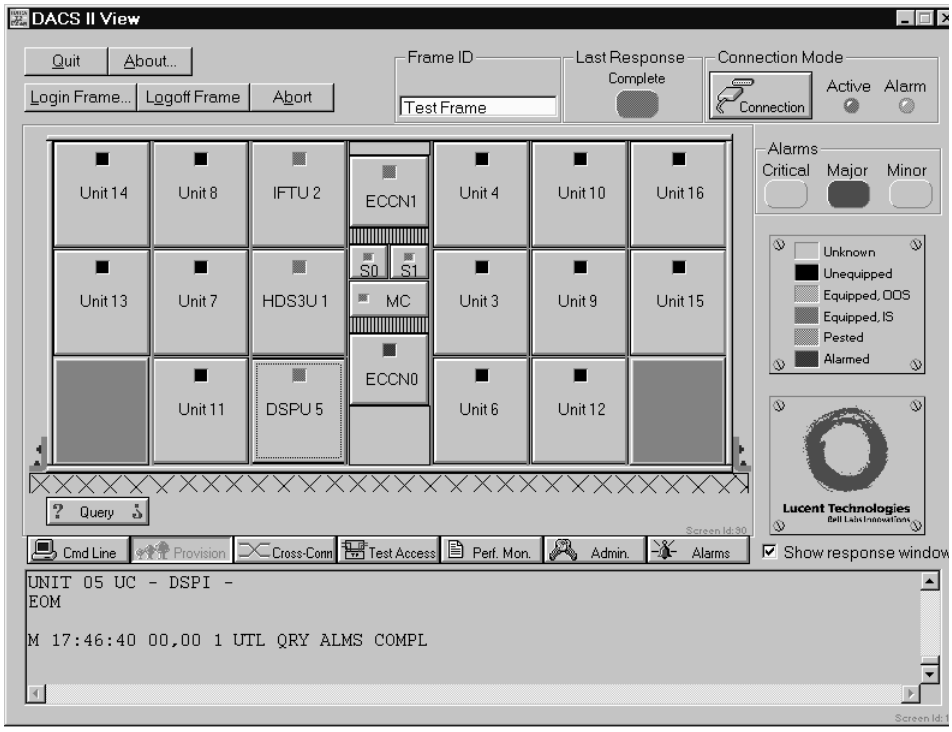


Figure 3-6. Main Provisioning Window for DACS II

c. To log in to the DACS as a user, click **Login Frame..**. in the Main Window.

Changing Modes

Overview

This section describes how to change modes for an established connection.

Procedure

To change connection modes:

1. In the Main Window, click on **Connection**.

   The Connection Window displays.

2. Select Active Mode Connection or Alarm Mode Connection.
3. Click **OK**.
4. If you are switching to an Active Mode Connection, enter the DACS II View password. A diagram of the DACS appears. Click **Query** to retrieve the current hardware configuration and status information from the DACS.
5. If you are switching to an Alarm Mode Connection, the Alarms Window displays. For details, see Chapter 9, "Alarms."

NOTE:
You can switch freely between modes while still maintaining a connection to the DACS. Each time you switch to Active Mode, you are prompted for the DACS II View password.

NOTE:
If DACS II View is in Active Mode and left idle, the connection is automatically switched to Alarm Mode. From the **Admin** option, you can set the number of minutes of idle time or use the default of 10 minutes. See Chapter 8 for details. To switch back to Active Mode, use the above procedure.

Disconnecting from the DACS

Overview

This section describes how to disconnect from a DACS and keep DACS II View open so that you can establish another connection.

Notes

When you disconnect from a DACS, all DACS II View screen displays are cleared, including the Alarms Window.

You can also disconnect from a DACS when you exit DACS II View. See “Exiting DACS II View” for details.

Procedure

To disconnect from a DACS:

1. In the Main Window, click on **Connection**.

   The Connect Window displays.

2. Click **Disconnect**.

Exiting DACS II View

Overview

This section describes how to exit DACS II View.

Procedure

To exit DACS II View:

1. In the Main Window, click **QUIT**.
2. If you have a connection to a DACS, this prompt appears:
   "You are still connected. OK will automatically DISCONNECT and QUIT."
   Click **OK** to disconnect and exit DACS II View.

Removing DACS II View

Overview

This section describes how to remove DACS II View from your PC.

Procedure

To remove DACS II View from your PC:

1. From the Windows NT task bar, click Start, Settings, Control Panel.
2. Double-click Add/Remove Programs.
3. Select DACS II View from the list and click **Add/Remove**.
4. At the prompt, “Are you sure you want to remove the selected application?” click **Yes**.

Provisioning

4

Provisioning Option

When to Use

Use the **Provisioning** option to:

- initially configure a DACS, configure added-on equipment, or modify existing equipment.
- restore service or remove service from any piece of equipment.
- designate NPCs as test ports or test groups.

Guidelines

Here are some guidelines to keep in mind:

- Components must be configured in a logical order. The largest components must be configured first. For example, on a DACS II ISX, equip an NPM before configuring its NPCs.
- When you select the **Provisioning** option, DACS II View displays a diagram of the connected DACS. If the display does not reflect the correct statuses of the equipment, click **Query**. To provision equipment, click on its location on the diagram.
- DACS II View provides the capability to operate on a range of NPCs at one time. Use the Range of NPCs box to indicate the range you want to work with.

- Actions must be performed in sequence. Figure 4-1 shows the allowed sequence.

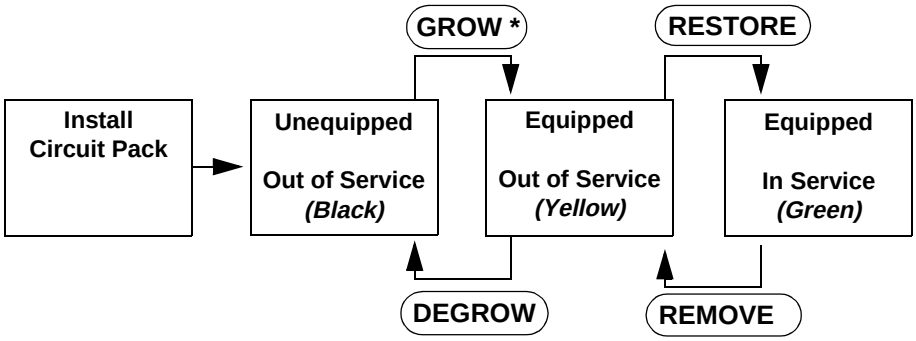


Figure 4-1. Sequence of Provisioning Actions

* DACS allows you to grow equipment without it being physically present. However, you can not restore equipment without it being physically present. The representations of equipment that you see through DACS II View are based on the equipment that has been successfully grown.

The actions listed in Figure 4-1 correspond to the buttons that appear on the provisioning windows.

The following table describes the function of each button and the color changes that appear in DACS II View.

Button	Explanation	From Color	To Color
Grow	Takes an unequipped unit and equips (grows) it.	Black	Yellow
Restore	Takes an equipped, out-of-service unit and puts it in-service.	Yellow	Green
Remove	Takes an equipped, in-service unit and puts it out-of-service.	Green	Yellow
Degrow	Takes an equipped, out-of-service unit and unequips (degrows) it.	Yellow	Black

NOTE:
If an NPC is in an alarmed state, its color code is red. When the alarm is cleared, the color code reverts back to its original state. For example, when an alarm is cleared for an equipped, in-service NPC, its color code changes from red back to green.

NOTE:
If the DACS cannot determine the state of an NPC, the NPC's color code will be gray. Press **Query** to update DACS II View with the actual state of the NPC.

Before you begin

Establish an Active Mode Connection to the DACS and click **Query** as described in "Connecting to the DACS" in Chapter 3.

Physical provisioning should already have taken place. For NPCs, the individual lines must be brought to the DACS and terminated there by circuit cards.

FTM/NPC Provisioning Example (DACS II)

Purpose

This example illustrates how to grow a Facility Terminating Module (FTM) and one or more of its NPC.

Procedure

To provision an FTM and one or more of its NPCs:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.

   The DACS is displayed with the current hardware information. Figure 4-2 shows a sample display for a DACS II CEF. Figure 4-2 shows a sample display for a DACS II SBF.

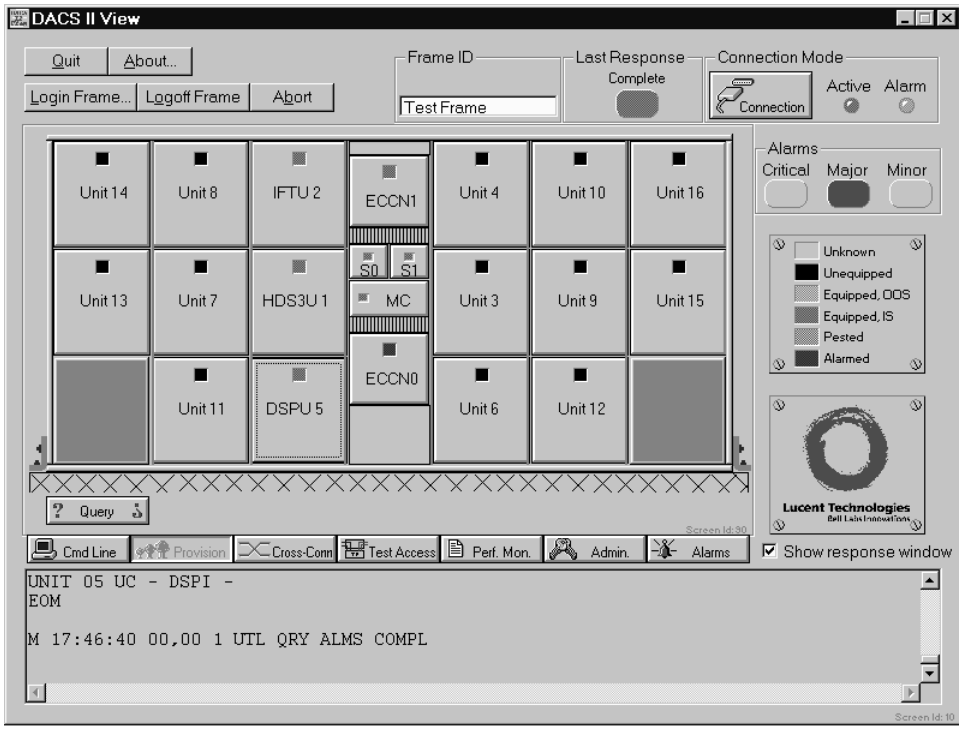


Figure 4-2. Main Provisioning Window - DACS II CEF

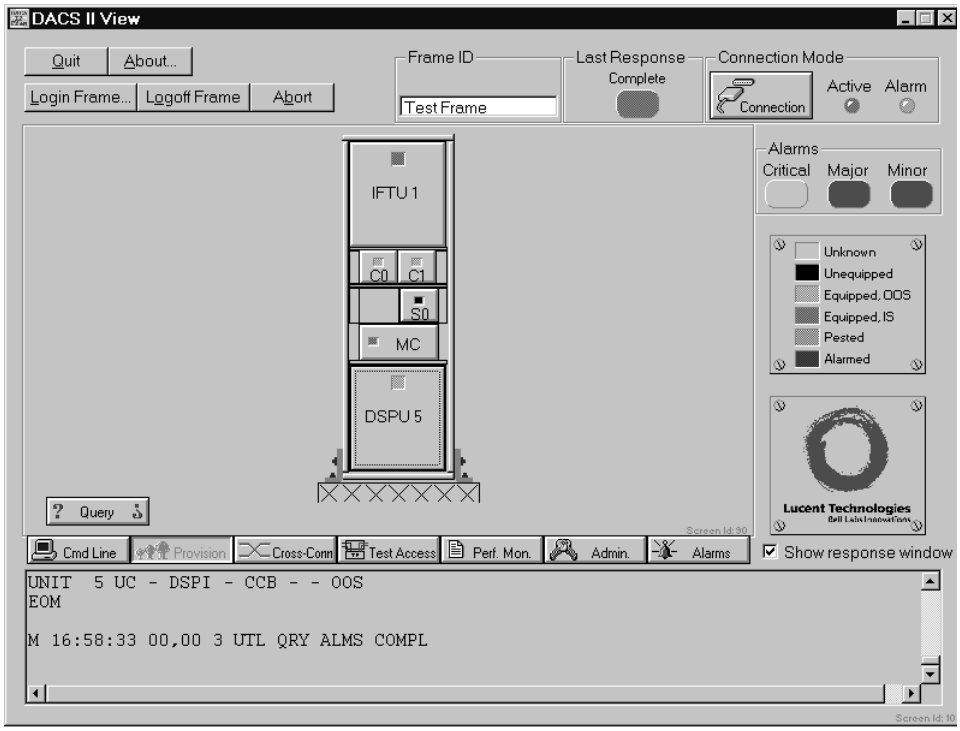


Figure 4-3. Main Provisioning Window - DACS II SBF

2. To provision equipment, click on it. For example, you can click on MC, DSPU, etc. For this example, click on the IFTU to be provisioned.

The Unit Window displays.

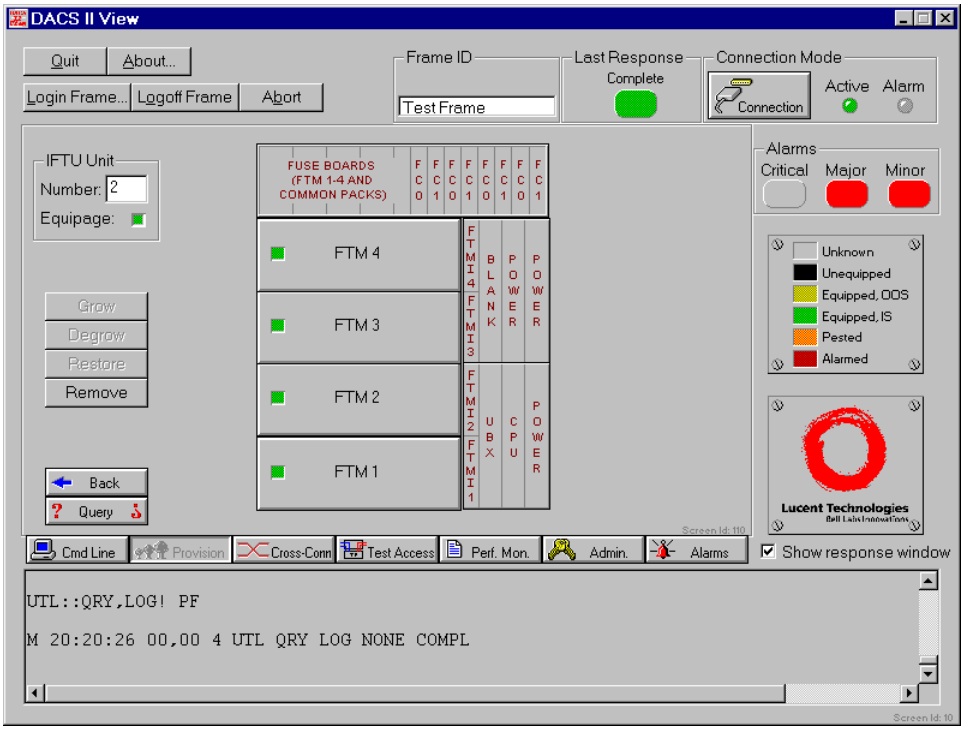


Figure 4-4. Unit Window (DACS II)

3. To provision the unit, click **Grow**. To put the unit in-service, click **Restore**.
4. Click on an FTM to be provisioned.

The FTM Window displays.

5. In the Provision FTM box, set parameters for the FTM and click **Grow**.

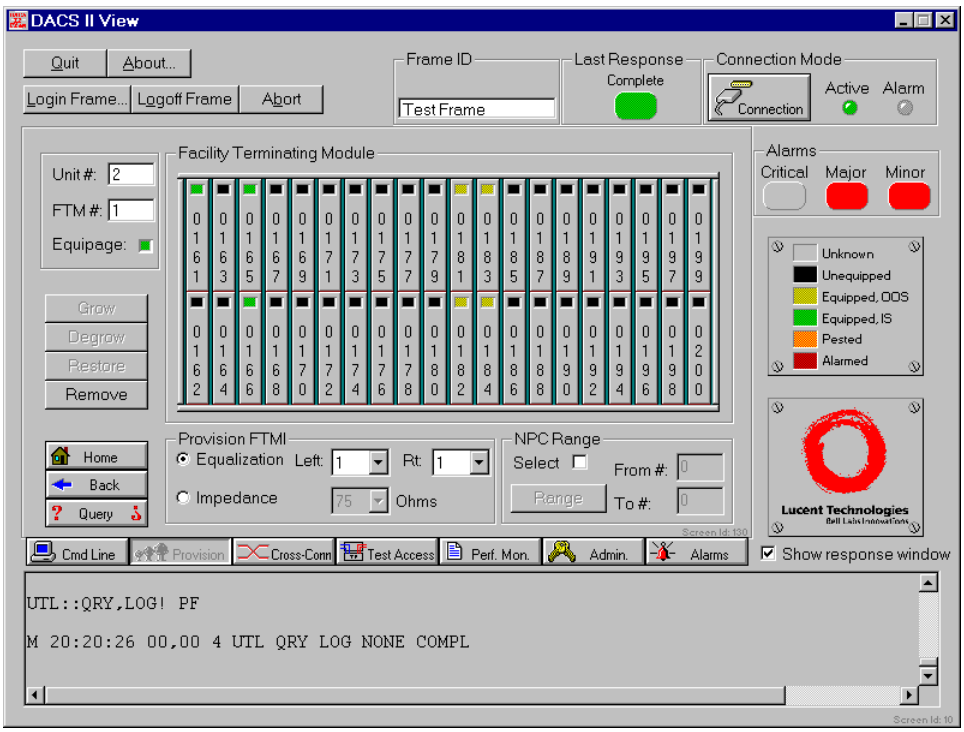


Figure 4-5. FTM Window (DACS II)

6. Click **Restore** to put the FTM in-service.
7. Specify the NPC(s) to be grown:
   - To grow a single NPC, click on the NPC number in the equipment diagram.
   - To grow a range of NPCs, do either of the following:
     - — In the NPC Range box, mark the box next to "Select." In the equipment diagram, click on the From and To NPCs. In the NPC Range box, click **Range**.
     - — In the NPC Range box, type the From and To NPCs in the range, then click **Range**.

The NPC Provisioning Window displays.

8. From the NPC Provisioning Window, you can identify the characteristics of the equipment and perform any of the allowed actions: **Grow**, **Degrow**, **Restore**, and **Remove**.

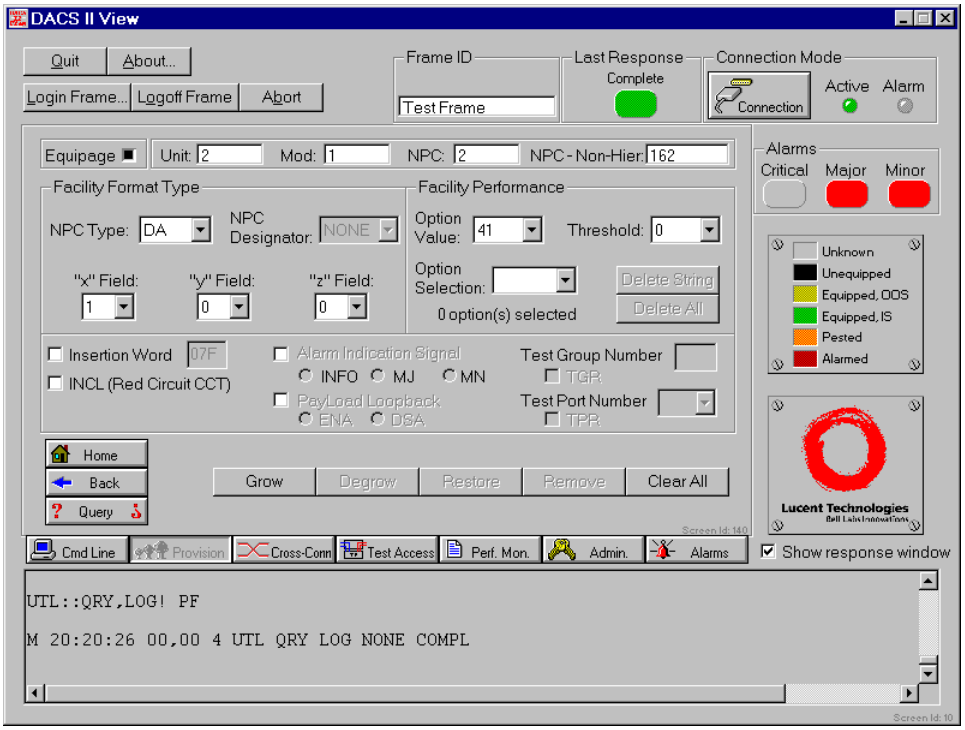


Figure 4-6. NPC Provisioning Window (DACS II)

9. When this is complete, click **Back** to return to the previous window. Observe the changed status for the NPC(s).

10. To return to the Main Provisioning Window, click **Home**.

DS3U/HDS3U Provisioning Example (DACS II)

Purpose

This example illustrates how to grow a DS3U/HDS3U and one or more of its NPC.

Procedure

To provision a DS3U/HDS3U and one or more of its NPCs:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in "Connecting to the DACS" in Chapter 3.
2. The DACS is displayed with the current hardware information.
3. To provision the DS3U unit, click on the DS3U unit in the Main Provisioning Window.
4. In the DS3U Unit Window, click **Grow** and then **Restore**.

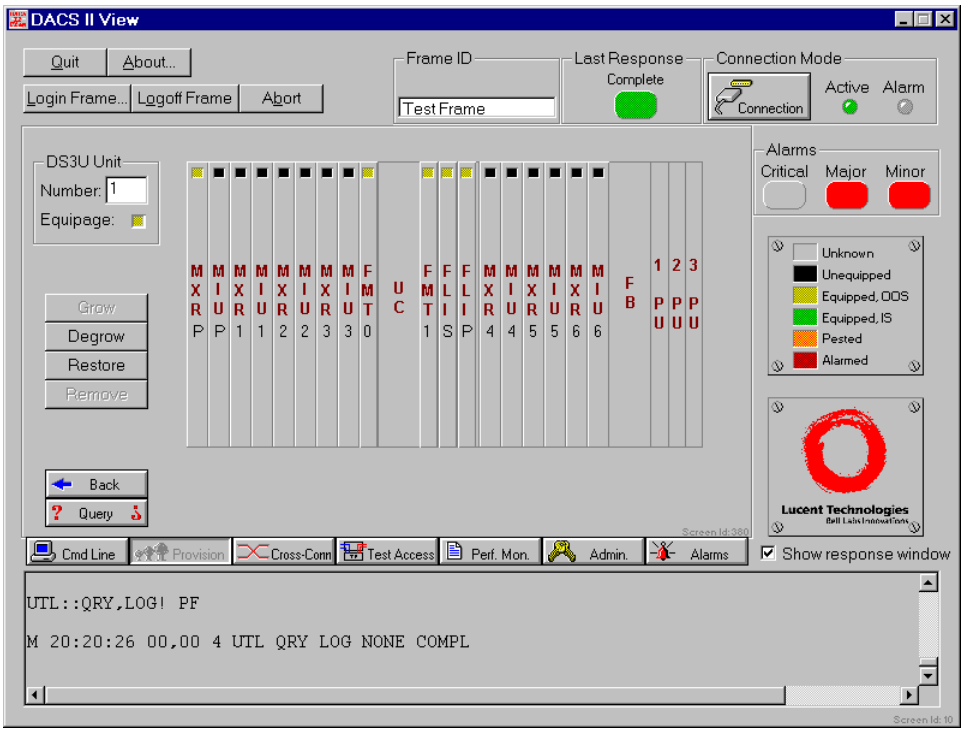


Figure 4-7. DS3U Unit Window (DACS II)

5. To provision an MXR card, click on it.

The MXR Card window displays.

6. From the MXR Card Window, you can identify the characteristics of the equipment and perform any of the allowed actions: **Grow**, **Degrow**, **Restore**, and **Remove.**

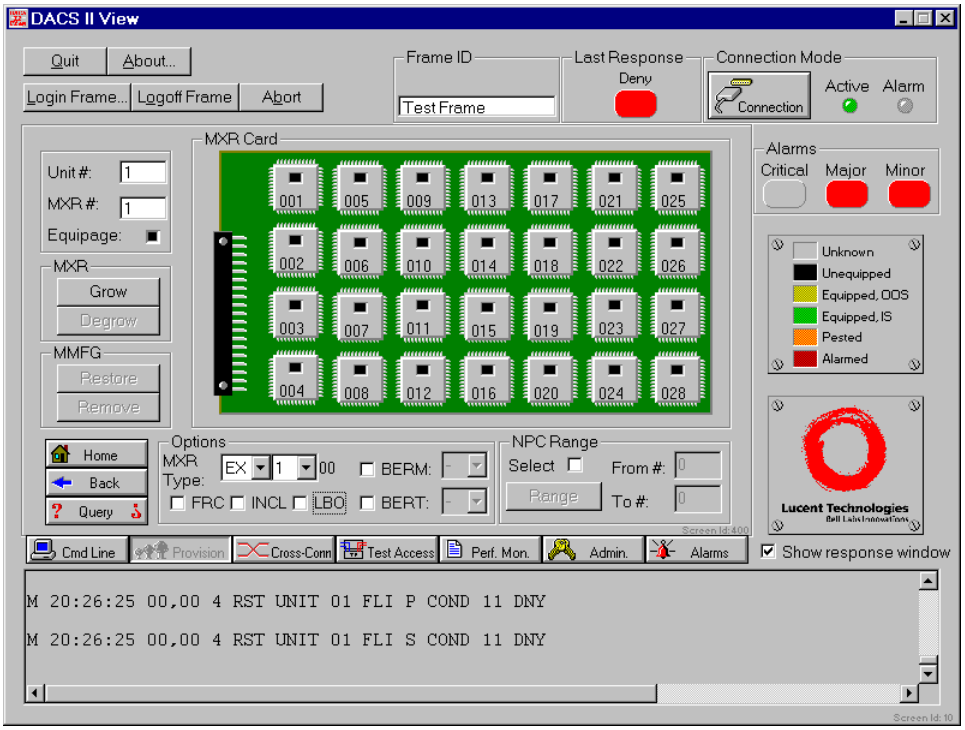


Figure 4-8. MXR Card Window

7. Specify the NPC(s) to be grown:

   - To grow a single NPC, click on the NPC number in the equipment diagram.
   - To grow a range of NPCs, do either of the following:
     - — In the NPC Range box, mark the box next to “Select.” In the equipment diagram, click on the From and To NPCs. In the NPC Range box, click **Range**.
     - — In the NPC Range box, type the From and To NPCs in the range, then click **Range**.

The NPC Provisioning Window displays.

8. From the NPC Provisioning Window, you can identify the characteristics of the equipment and perform any of the allowed actions: **Grow**, **Degrow**, **Restore**, and **Remove**.

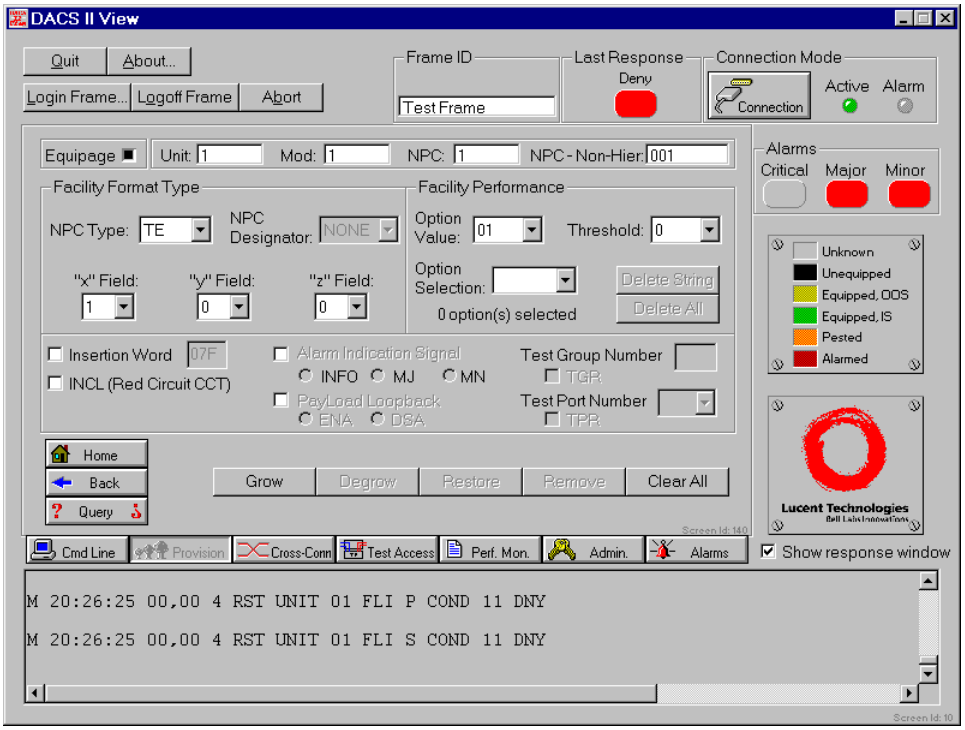


Figure 4-9. NPC Provisioning Window (DACS II)

9. When this is complete, click **Back** to return to the previous window. Observe the changed status for the NPC(s).

10. To return to the Main Provisioning Window, click **Home**.

DSPU/NPC Provisioning Example (DACS II)

Overview

This example illustrates how to grow a DSPU and one or more NPCs.

Procedure

To provision a DSPU and one or more NPCs:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.

   The DACS is displayed with the current hardware information. The following figure shows a sample display.

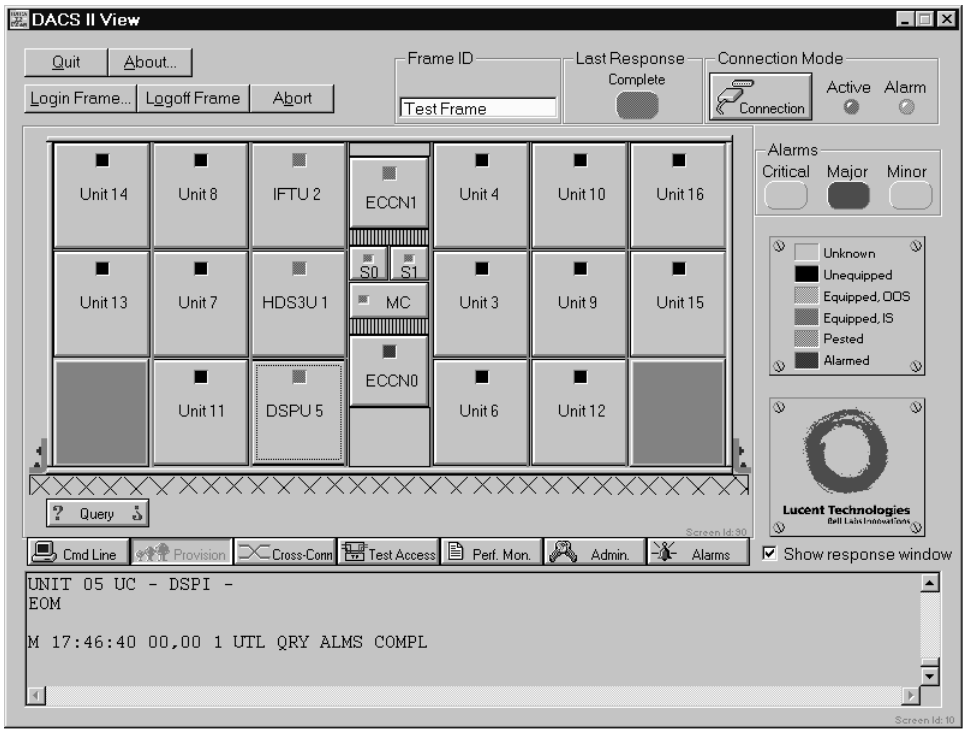


Figure 4-10. Main Provisioning Window - DACS II CEF

2. To provision the DSPU, click on it.

The DSPU Window displays.

3. In the DSPU Unit box, specify the DSPU Unit Number and click **Grow**.

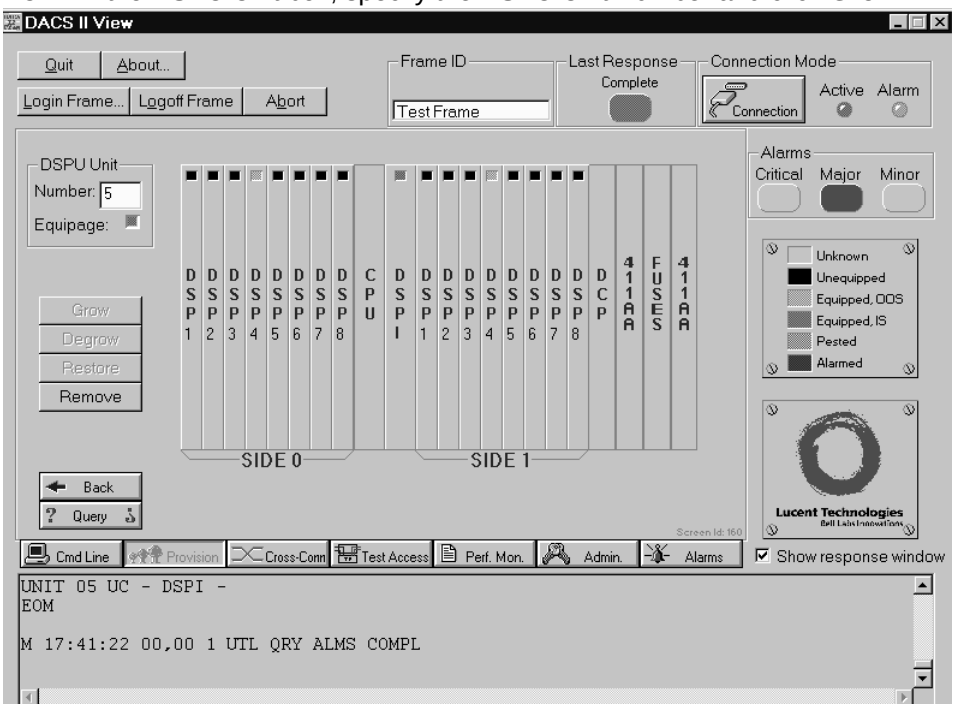


Figure 4-11. DSPU Provisioning Window

4. To grow an NPC, click on the DSPU module in the equipment view.

The NPC Provisioning Window displays.

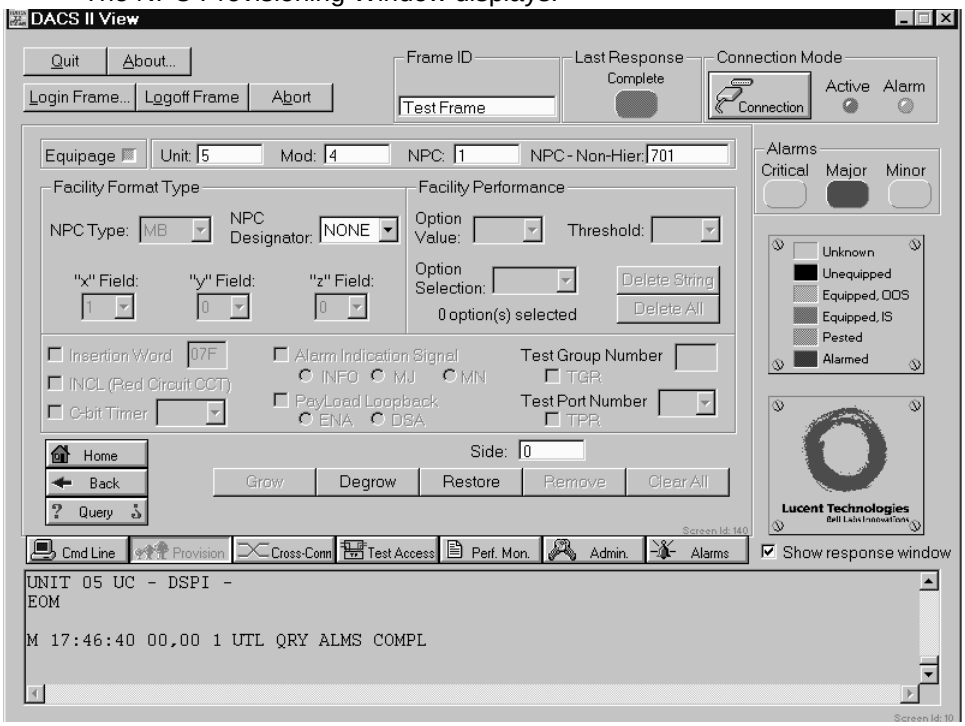


Figure 4-12. NPC Provisioning Window - DSPU

5. Identify the characteristics of the NPC, then click **Grow**.
6. When this is complete, click **Back** to return to the previous window. Observe the changed status for the module in the DSPU.
7. To return to the Main Provisioning Window, click **Back**.

NPM/NPC Provisioning Example (DACS II ISX)

Overview

This example illustrates how to grow an NPM and one or more NPCs.

Procedure

To provision an NPM and one or more NPCs:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in "Connecting to the DACS" in Chapter 3.

   The DACS is displayed with the current hardware information. The following figure shows a sample display.

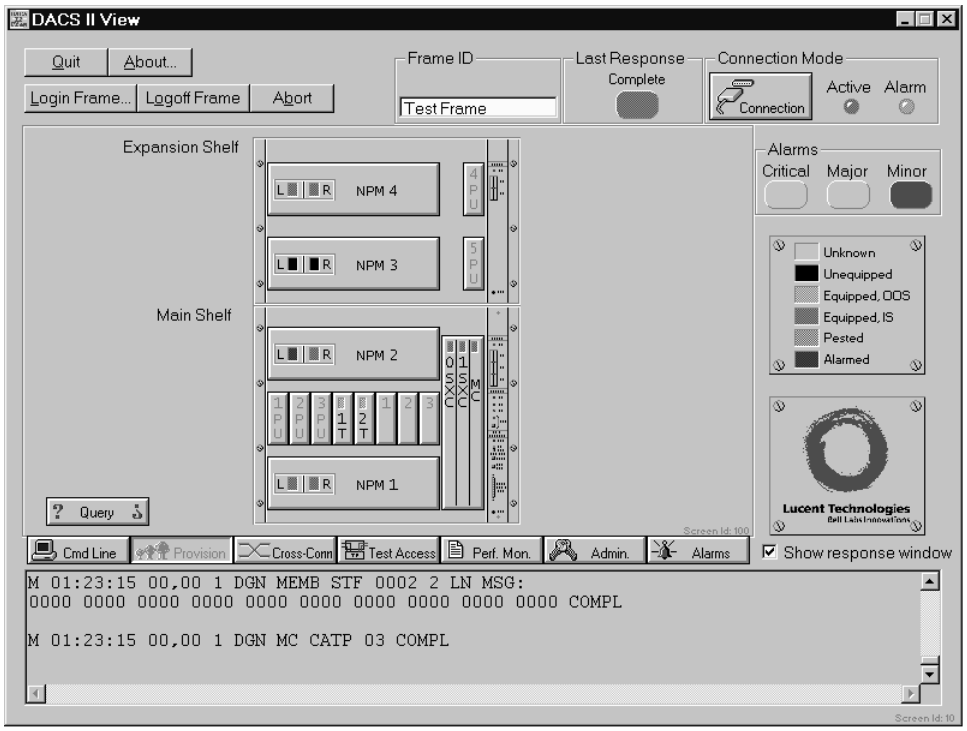


Figure 4-13. Main Provisioning Window (DACS II ISX)

2. To provision equipment, click on it. For example, you can click on MC, 1T, 2T, etc. For this example, click on an NPM to be provisioned.

The NPM Provisioning/NPC Window displays.

3. In the Provision NPM box, set parameters for the NPM and click **Grow**.

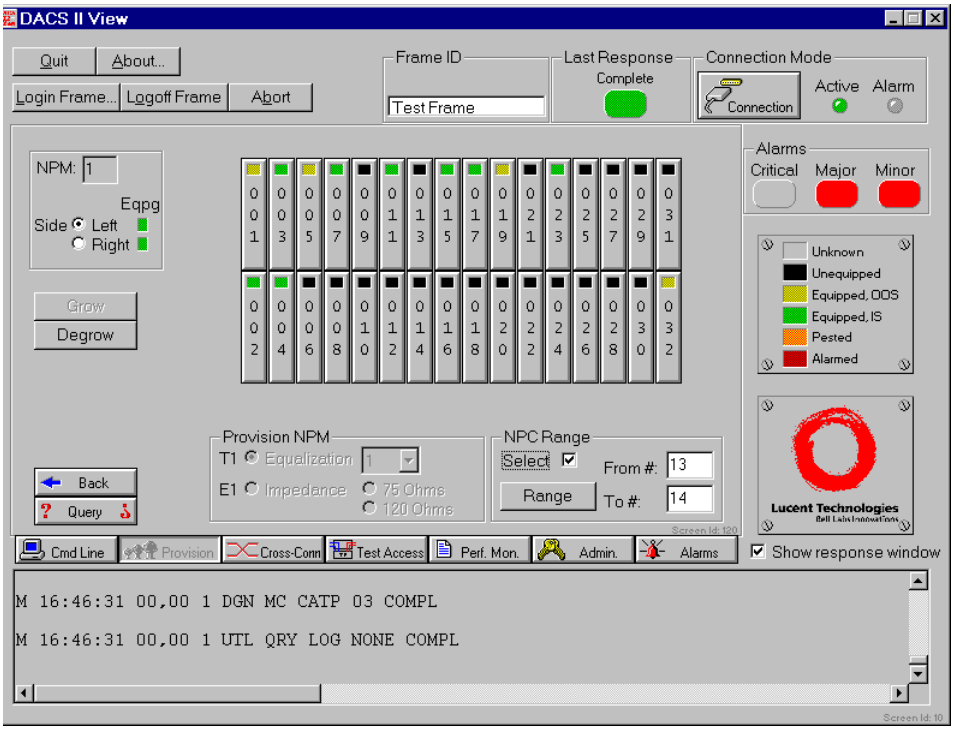


Figure 4-14. NPM Provisioning/NPC Window

4. Specify the NPC(s) to be grown.
   - To grow a single NPC, click on the NPC number in the equipment diagram.
   - To grow a range of NPCs at one time:
   - To grow a range of NPCs, do either of the following:
     - — In the NPC Range box, mark the box next to “Select.” In the equipment diagram, click on the From and To NPCs. In the NPC Range box, click **Range**.
     - — In the NPC Range box, type the From and To NPCs in the range, then click **Range**.

The NPC Provisioning Window displays.

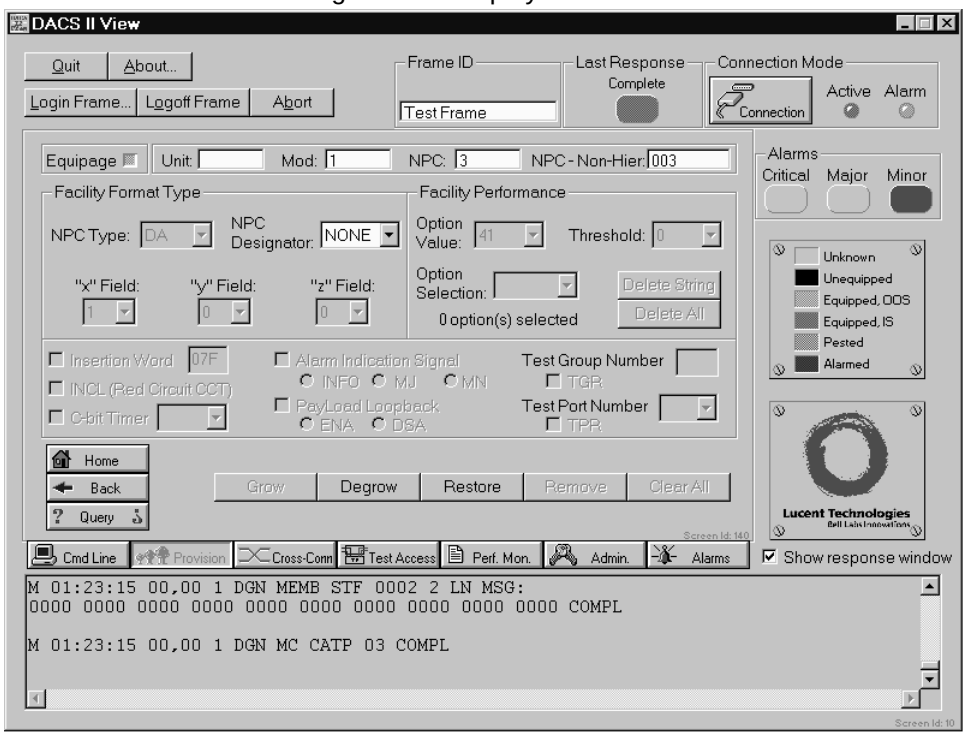


Figure 4-15. NPC Provisioning Window (DACS II ISX)

5. Identify the characteristics of the NPC(s), then click **Grow**.
6. When this is complete, click **Back** to return to the previous window. Observe the changed status for the NPC(s).
7. To return to the Main Provisioning Window, click **Back**.

DSP Platform (DSPP) Application Example

Purpose

This example illustrates how to install or replace a DSPP application on the DACS.

Before you begin

To perform this procedure, log on to the DACS as user DAX. To log in to the DACS, use **Login Frame...**

Procedure

To install a DSPP application:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.

   The DACS is displayed with the current hardware information. Figure 4-2 shows a sample display for a DACS II CEF.

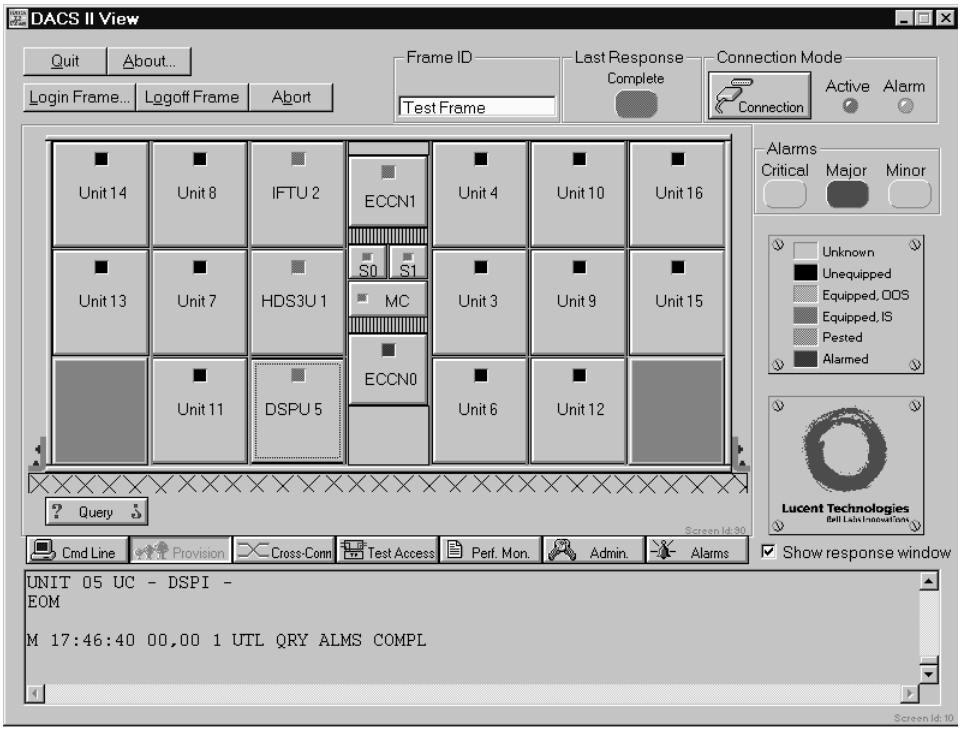


Figure 4-16. Main Provisioning Window - DACS II CEF

2. Click on the MC.

   The Master Controller window displays.

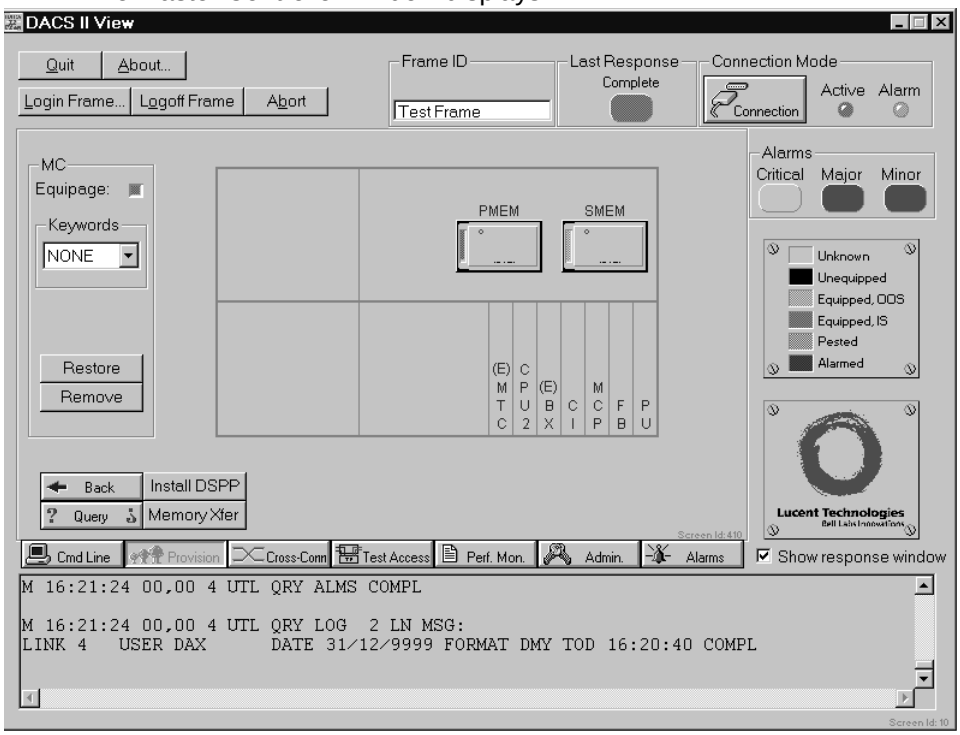


Figure 4-17. Master Controller Window

3. Select MCOND from the Keywords list, then click **Restore** to restore the Master Controller in maintenance condition.

4. Click **Install DSPP**.

   The Install DSPP window displays.

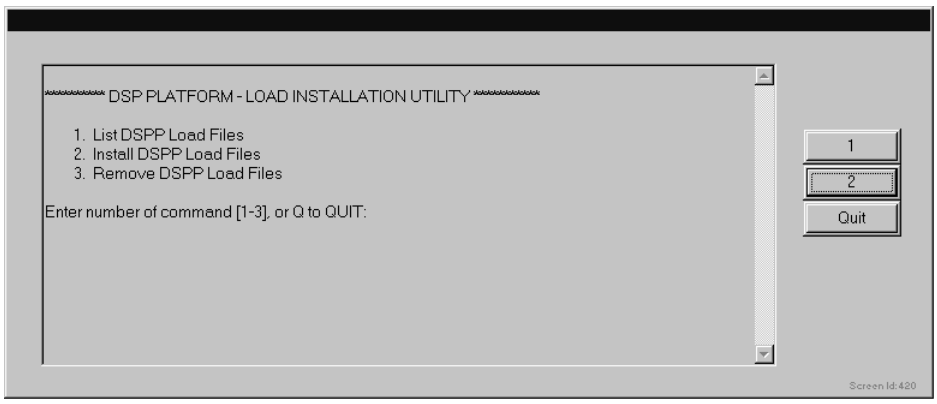


Figure 4-18. Install DSPP Window

5. From the Install DSPP window, you can perform these actions:
   - To list the DSP platform applications that are currently installed on the frame, select option **1**.
   - To install a new application or replace an existing application, insert the flash card with the new application in SMEM on the DACS II or MEMB on the DACS II ISX. Select option **2** from the Install DSPP window.

     If you are replacing an existing application, you do not need to remove the old one before installing the new one.
   - To remove an existing application from the frame without replacing the application, use a dumb terminal. Option **3** is unavailable at this time.
   - To exit this screen and return to the Master Controller window, select **Quit**.
6. When you are finished with the Install DSPP window, select **Quit**.
7. From the Master Controller window, select NONE from the Keywords list, then click **Restore** to put the Master Controller in-service.

Cross-Connections and Disconnections

5

Cross-Conn Option

When to Use

Click **Cross-Conn** from the menu bar to connect or disconnect either of the following:

- Two-point channelized or unchannelized cross-connection
- Multi-point channelized or unchannelized cross-connection
- Digital Signal Processing Platform (DSPP) application cross-connection
- Digital Signal Processing (DSP) Unit cross-connection

Before you begin

Before you use **Cross-Conn**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.
- Physical provisioning of the NPCs should already have taken place. The individual lines must be brought to the DACS and terminated there by circuit cards.
- Through the **Provisioning** option, the NPCs to be cross-connected must be equipped and in-service (grown and restored).
- **NOTE:** When entering an NPC number in hierarchical format in MML, enter the hyphens. For example: 01-1-01. For PDS, enter just the number. For example: 01101.

Connecting a Two-Point Cross-Connection

Procedure

To connect a two-point cross-connection:

1. Click **Cross-Conn**. The Main Cross-Connect Window displays.
2. Click Channelized or Unchannelized.
3. Identify the cross-connection.
   - — If the cross-connection is unchannelized, enter the From and To NPC.
   - — If the cross-connection is channelized, enter the NPC and Channel Number for the From and To fields, as shown in Figure 5-1.

     To cross-connect a range of channels, use a hyphen in the Channel field. An example of a valid entry in the Channel field is 1-24.

     Leading zeroes are not required in the NPC and Channel Number fields.

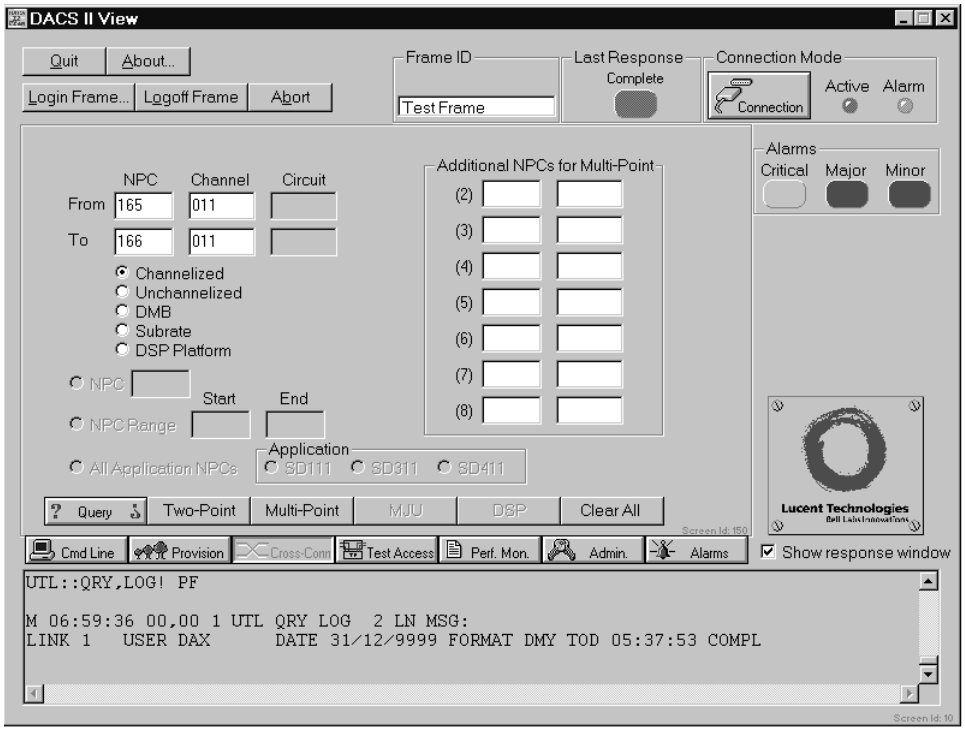


Figure 5-1. Main Cross-Connect Window, Two-Point Example

4. To see the list of existing cross-connections for the specified NPCs, click **Query**. The response appears in the Command Response Window.
5. In the Main Cross-Connect Window, click **Two-Point**.

   The Two-Point Cross-Connect Window displays.
6. Identify the characteristics of the cross-connection.

   NOTE:
   The key area in the DACS II View window displays a cross-connect diagram for each type of cross-connection.

7. When finished entering parameters, click **Connect**. The following figure shows a completed example.

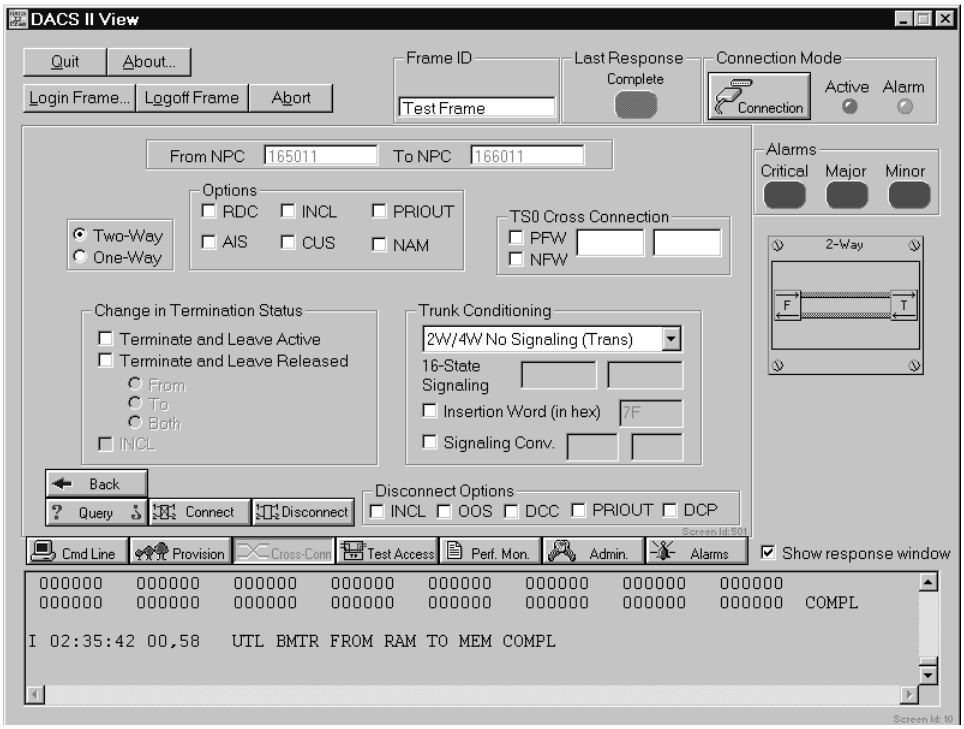


Figure 5-2. Two-Point Cross-Connect Window, Connect Example

8. To return to the Main Cross-Connect Window, click **Back**.

Disconnecting a Two-Point Cross-Connection

Procedure

To disconnect a two-point cross-connection:

1. Click **Cross-Conn**.

   The Main Cross-Connect Window displays.

2. Click Channelized or Unchannelized.

3. Identify the cross-connection.

   — If the cross-connection is unchannelized, enter the From and To NPC.

   — If the cross-connection is channelized, enter the NPC and Channel Number for the From and To fields, as shown in the following example.

   To enter a range of channels, use a hyphen in the Channel field. An example of a valid entry in the Channel field is 1-24.

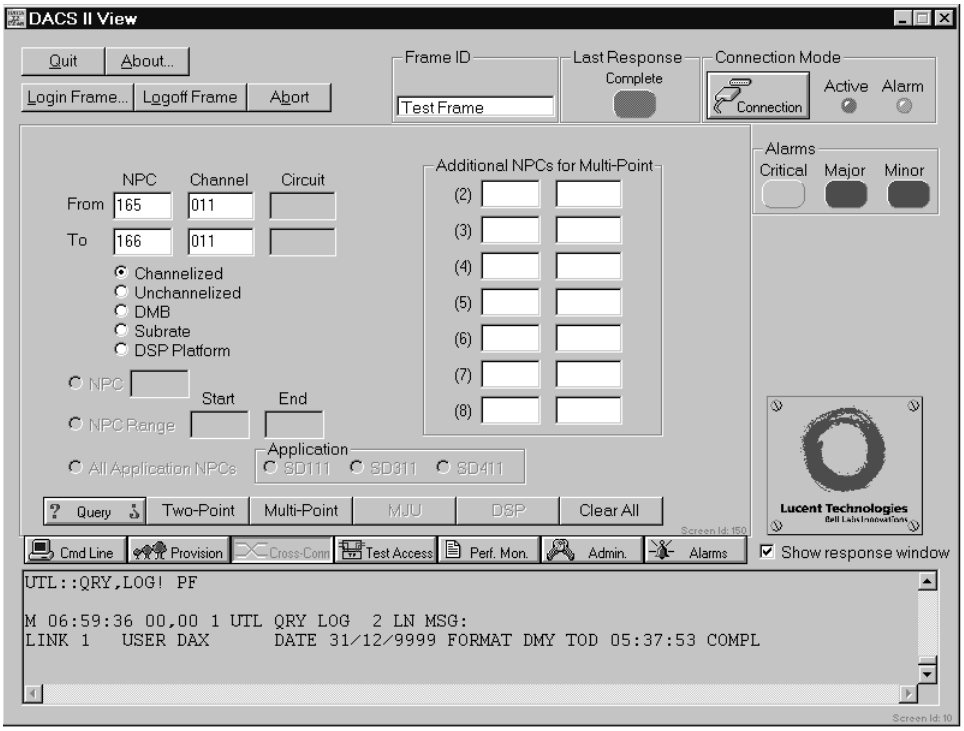


Figure 5-3. Main Cross-Connect Window, Two-Point Example

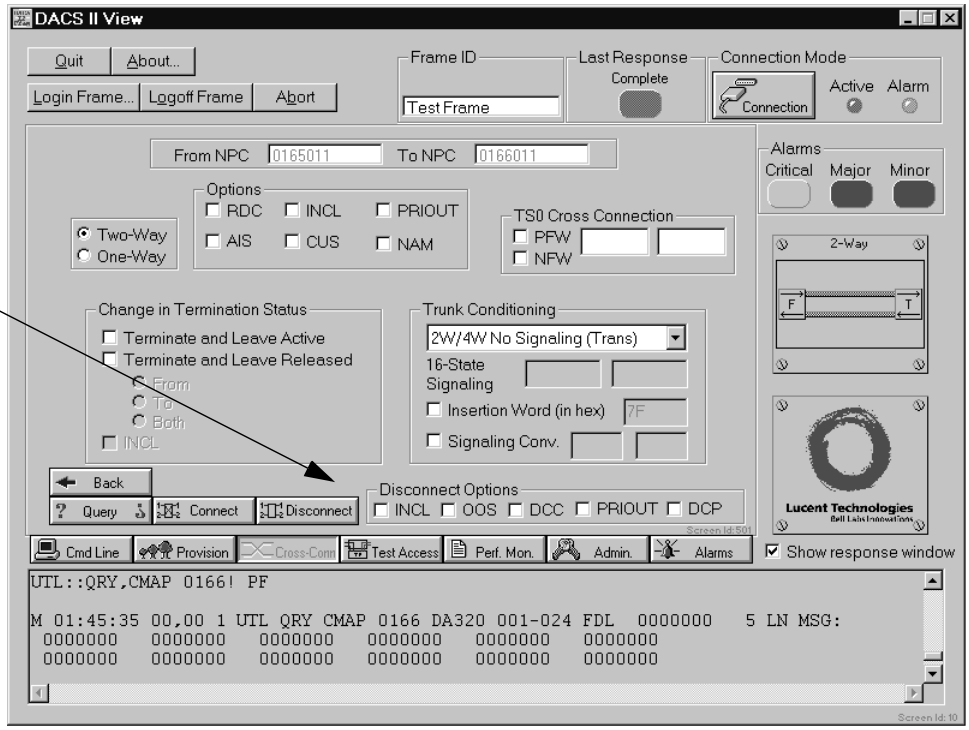
4. Click **Two-Point**.

   The Two-Point Cross-Connect Window displays.

5. Select any required Disconnect Options.

6. Click **Disconnect**.

   The following figure shows a sample screen.



Disconnect button and Disconnect Options box

Figure 5-4. Two-Point Cross-Connect Window, Disconnect Example

7. To return to the Main Cross-Connect Window, click **Back**.

Connecting a Multi-Point Cross-Connection

Procedure

To connect a multi-point cross-connection:

1. Click **Cross-Conn**.The Main Cross-Connect Window displays.
2. Click Channelized or Unchannelized.
3. Identify the cross-connection.
   - — For an unchannelized cross-connection, on the left side of the window, enter the From NPC and one of the To NPCs. On the right side of the window, enter the additional NPCs in the box labeled, “Additional NPCs for Multi-Point.”
   - — If the cross-connection is channelized, on the left side of the window, enter the NPC and Channel numbers for the From NPC and one of the To NPCs. On the right side of the window, enter the additional NPCs in the box labeled, “Additional NPCs for Multi-Point.” Use a hyphen to specify a range of channels in the Channel fields. For example: 1-24.

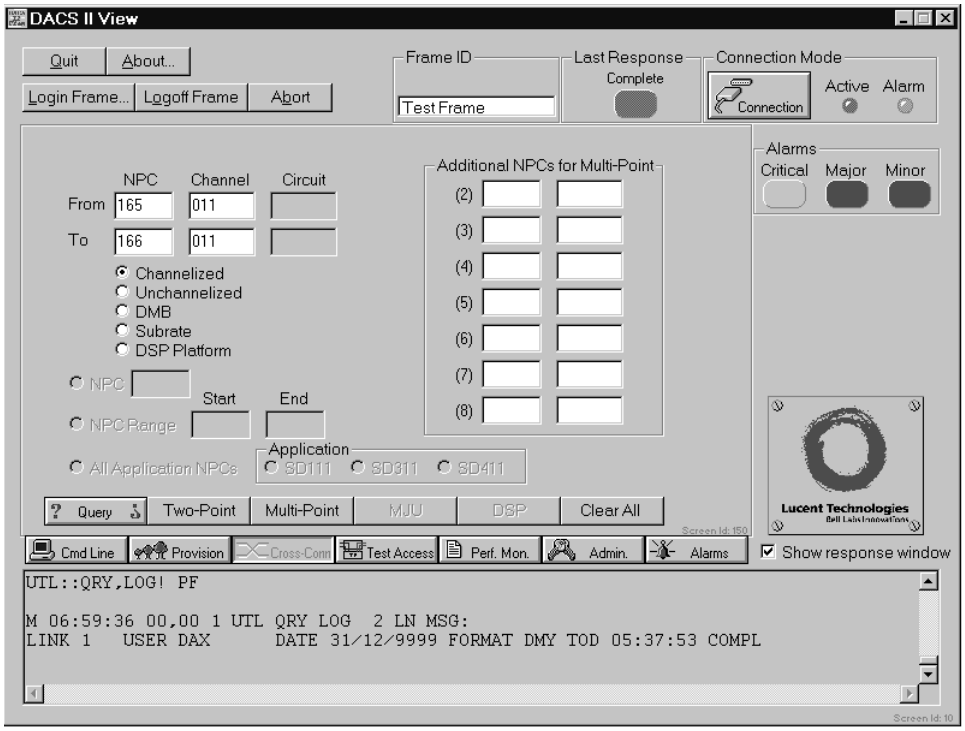


Figure 5-5. Main Cross-Connect Window, Multi-Point Example

4. To see the existing cross-connections for the From NPC and the first To NPC, click **Query.** The response appears in the Command Response Window.
5. In the Main Cross-Connect Window click **Multi-Point**.

   The Multi-Point Cross-Connect Window displays.
6. Identify the characteristics of the cross-connection.

   NOTE:
   The key area of the DACS II View window displays a cross-connect diagram for each type of cross-connection.

7. When finished entering parameters, click **Connect**.

   The following figure shows a completed example.

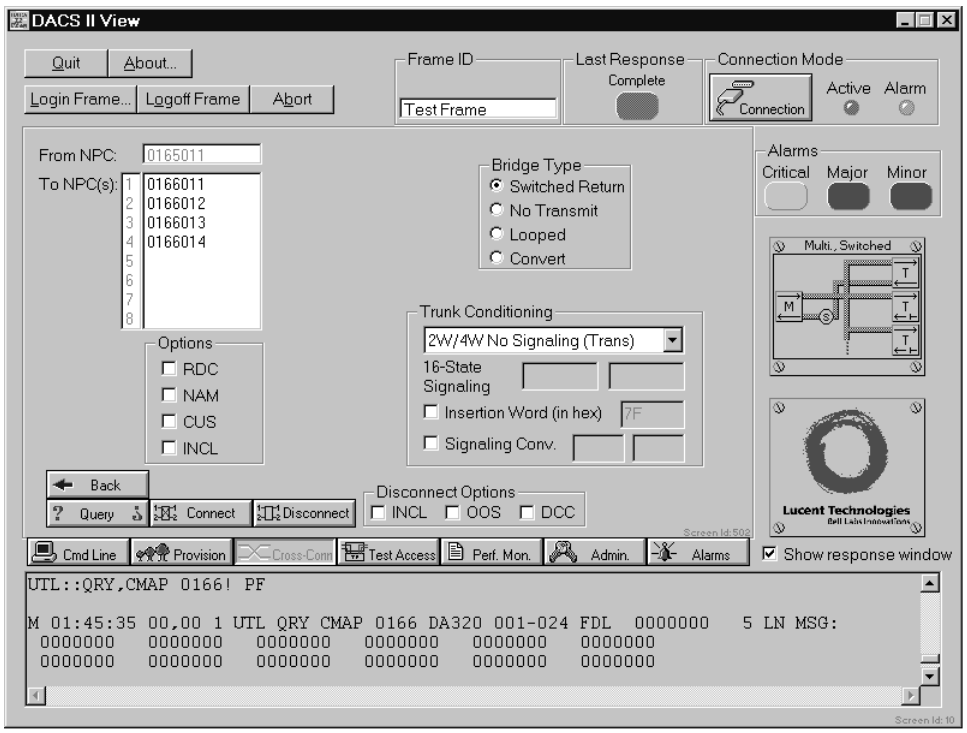


Figure 5-6. Multi-Point Cross-Connect Window, Connect Example

8. To return to the Main Cross-Connect Window, click **Back**.

Disconnecting a Multi-Point Cross-Connection

Procedure

To disconnect a multi-point cross-connection:

1. Click **Cross-Conn**.

   The Main Cross-Connect Window displays.

2. Click Channelized or Unchannelized.

3. Identify the cross-connection.

   — If the cross-connection is unchannelized, on the left side of the window, enter the From NPC and one of the To NPCs. On the right side of the window, enter the additional NPCs in the box labeled, “Additional NPCs for Multi-Point.”

   — If the cross-connection is channelized, on the left side of the window, enter the NPC and Channel numbers for the From NPC and one of the To NPCs. On the right side of the window, enter the additional NPCs in the box labeled, “Additional NPCs for Multi-Point.”

   Use a hyphen to specify a range of channels in the Channel fields.

4. To see the existing cross-connections for the From NPC and the first To NPC, click **Query.** The response appears in the Command Response Window.

5. In the Main Cross-Connect Window, click **Multi-Point**.

   The Multi-Point Cross-Connect Window displays.

6. Select any required Disconnect Options.

7. Click **Disconnect**.

8. To return to the Main Cross-Connect Window, click **Back**.

Converting a Two-Point Cross-Connection to a Multi-Point Cross-Connection

Procedure

To convert a two-point cross-connection to a multi-point cross-connection:

1. Click **Cross-Conn**.

   The Main Cross-Connect Window displays.

2. Identify the existing two-point cross-connection in the From and To fields.

   NOTE:
   When converting to a multi-point cross-connection, the From NPC remains the same, the To NPC changes, and the "Additional NPCs for Multi-Point" will be added to the cross-connection.

3. In the "Additional NPCs for Multi-Point" box, enter the additional To NPCs.
4. Click **Multi-Point**.

   The Multi-Point Cross-Connect Window displays.

5. Select "Convert."
6. Click **Connect**.
7. To return to the Main Cross-Connect Window, click **Back**.

Disconnecting a Converted Multi-Point Cross-Connection

Procedure

If a multi-point cross-connection was originally created by converting a two-point to a multi-point cross-connection, then you disconnect it in the following order:

1. Disconnect the multi-point cross-connection.
2. Disconnect the two-point cross-connection.

Digital Signal Processing Unit Cross-Connections

Background

The Digital Signal Processing Unit (DSPU) occupies one DACS II shelf and is equipped as needed by the customer to provide digital channel processing functions such as channel bridging and subrate channel processing. This processing is done on internal channels; no facilities terminate on the DSPUs. Each DSPU consists of the common circuit packs, which are the digital signal processor interface (DSPI) and the unit controller, the specialized DSP circuit packs, and the power units for the DSPU.

The specialized DSP packs for the DSPU are:

- Multipoint Junction Unit (MJU) packs
- Subrate multiplexer (SRM) packs
- Digital Multipoint Bridge (DMB) packs

Before you begin

Before you make DSPU cross-connections, the NPCs to be cross-connected must be equipped and in-service (grown and restored).

For:	Grow and Restore NPCs with NPC Type:
DMB cross-connection	MB
Subrate cross-connection	SR
MJU cross-connection	MJ

Procedure

To establish a cross-connection for the DSPU:

1. Click **Cross-Conn**.The Main Cross-Connect Window displays.
2. Identify the cross-connection by entering the NPC and Channel number for the From and To sides. Use a hyphen to specify a range of channels in the Channel fields. For example: 1-24.

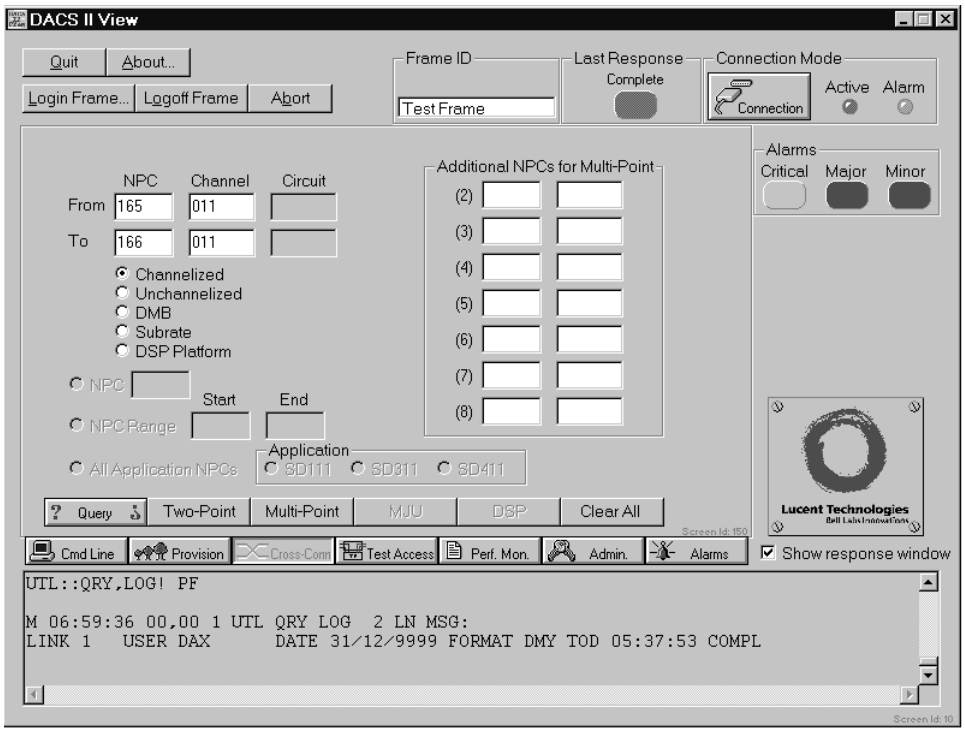


Figure 5-7. Main Cross-Connect Window

3. To see the existing cross-connections for the From NPC and the first To NPC, click **Query.** The response appears in the Command Response Window.
4. Select one of the following radio buttons:
   - DMB for a DMB cross-connection.
   - Subrate for MJU or subrate cross-connection.
5. Click one of the following buttons:
   - For MJU, click **MJU**. Go to step 6.
   - For DMB, or Subrate, click **DSP**. Go to step 7.

6. For MJU, identify the characteristics of the cross-connection.

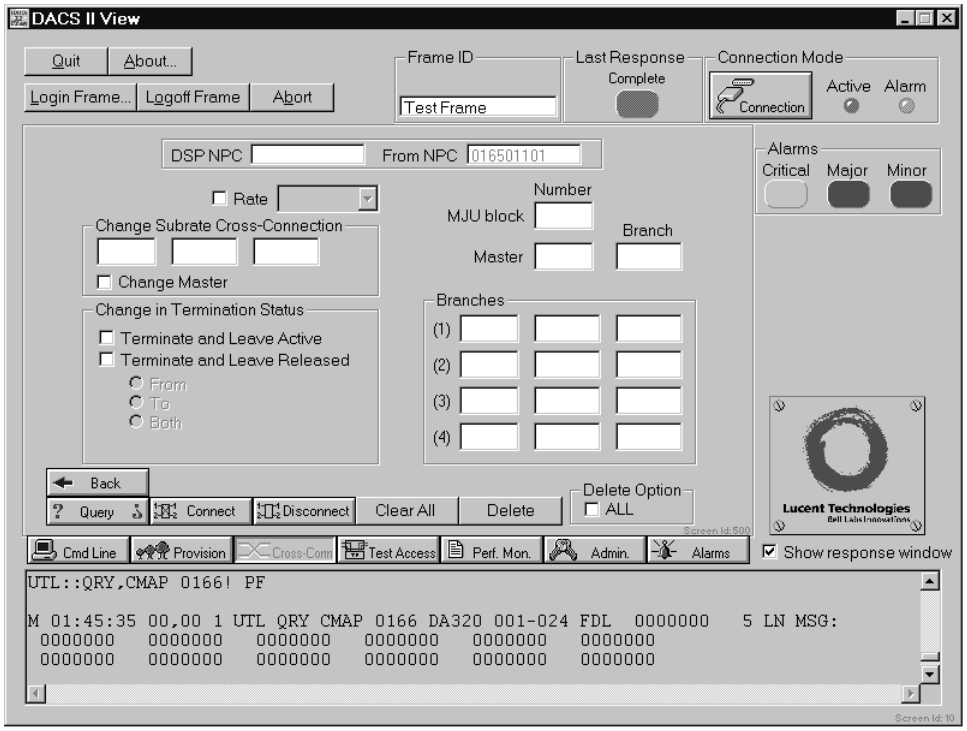


Figure 5-8. MJU Window

a. Refer to these guidelines:

Change Subrate Cross-Connection box: Use this box to change the NPC of the master leg. Specify a new NPC, channel, and circuit in the Change Subrate Cross-Connection box, check Change Master, then click the **Connect** button.

MJU Circuit Cross-Connection: Specify the MJU block number (1-9999), Master leg number (1-9999), and number of branches (1-4). Enter the NPC, channel, and circuit number for each branch. Once the MJU block has been created, its branches may be either cross-connected to channels on facility terminating NPCs or cascaded to other newly created MJU blocks.

b. When finished entering parameters, click **Connect**. To return to the Main Cross-Connect Window, click **Back**.

7. Select the type of circuit pack in the top left of the window: X.50/X.57, DMB, or DDS. Enter the communication parameters. When finished entering parameters, click **Connect**. To return to the Main Cross-Connect Window, click **Back**.

   The following figure shows a sample screen.

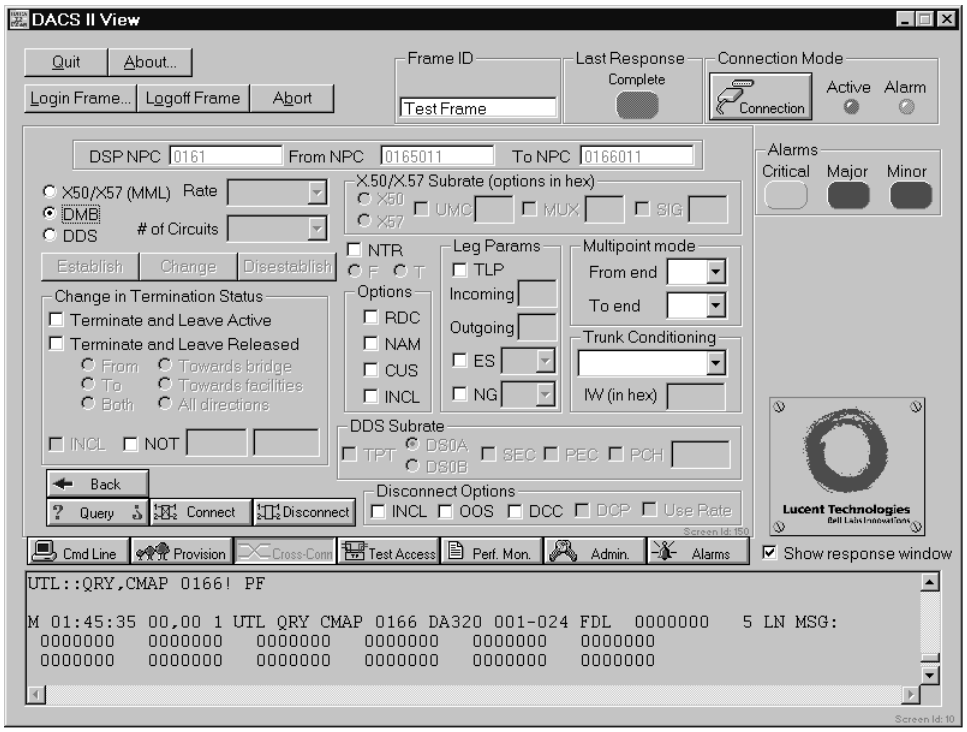


Figure 5-9. DSP Cross-Connect Window

Disconnecting a Digital Signal Processing Unit Cross-Connection

Before you begin

Disconnect the DSPU cross-connection before degrowing the NPCs in the cross-connection.

Procedure

To disconnect a DSPU cross-connection:

1. Click **Cross-Conn**.The Main Cross-Connect Window displays.
2. Identify the cross-connection by entering the NPC and Channel number for the From and To sides. Use a hyphen to specify a range of channels in the Channel fields. For example: 1-24.

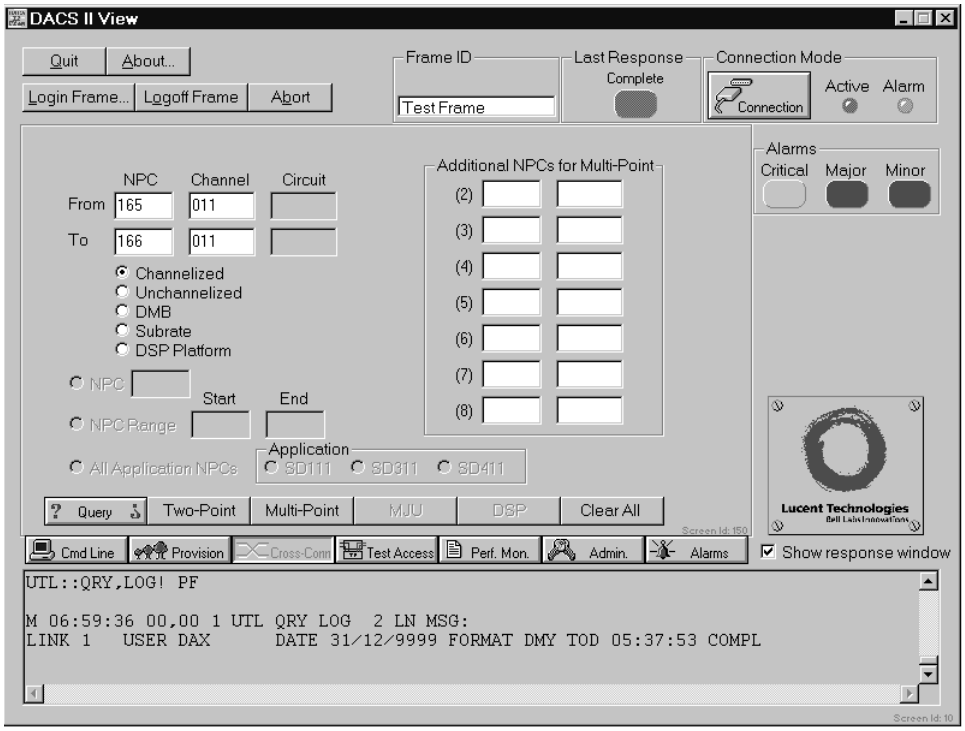


Figure 5-10. Main Cross-Connect Window

3. To see the existing cross-connections for the From NPC and the first To NPC, click **Query.** The response appears in the Command Response Window.

4. Select one of the following radio buttons:
   - DMB for a DMB cross-connection.
   - Subrate for MJU or subrate cross-connection.
5. Click one of the following buttons:
   - For MJU, click **MJU**. Go to step 6.
   - For DMB, or Subrate, click **DSP**. Go to step 7.
6. For MJU, click **Disconnect**. To return to the Main Cross-Connect Window, click **Back**.

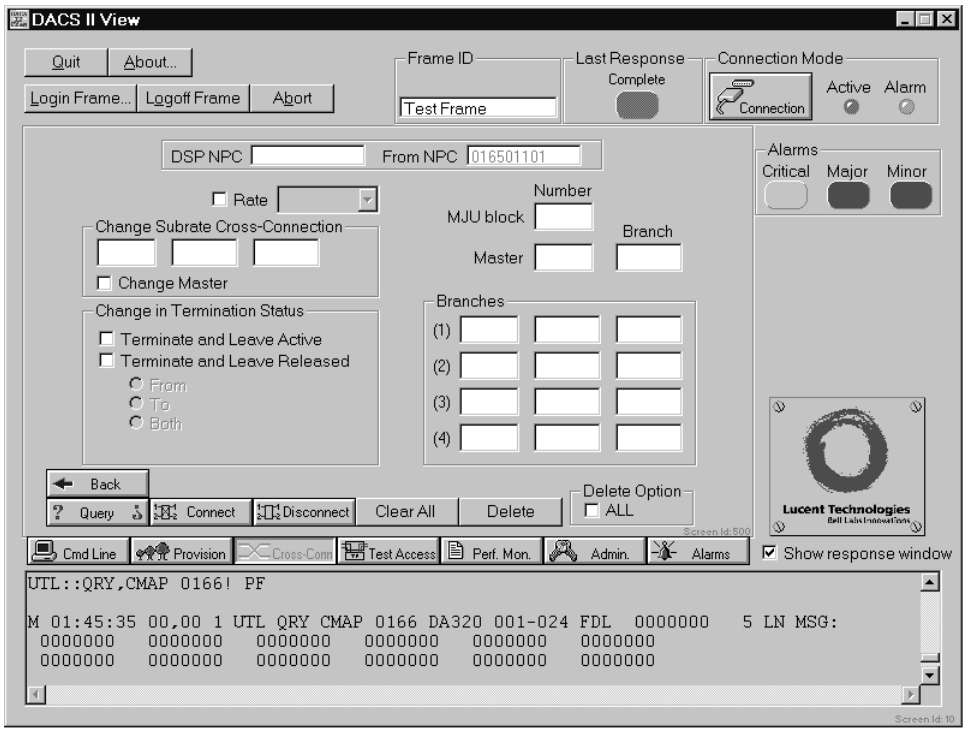


Figure 5-11. MJU Window

7. Select any required Disconnect Options.
8. Click **Disconnect**. To return to the Main Cross-Connect Window, click **Back**.

   The following figure shows a sample screen.

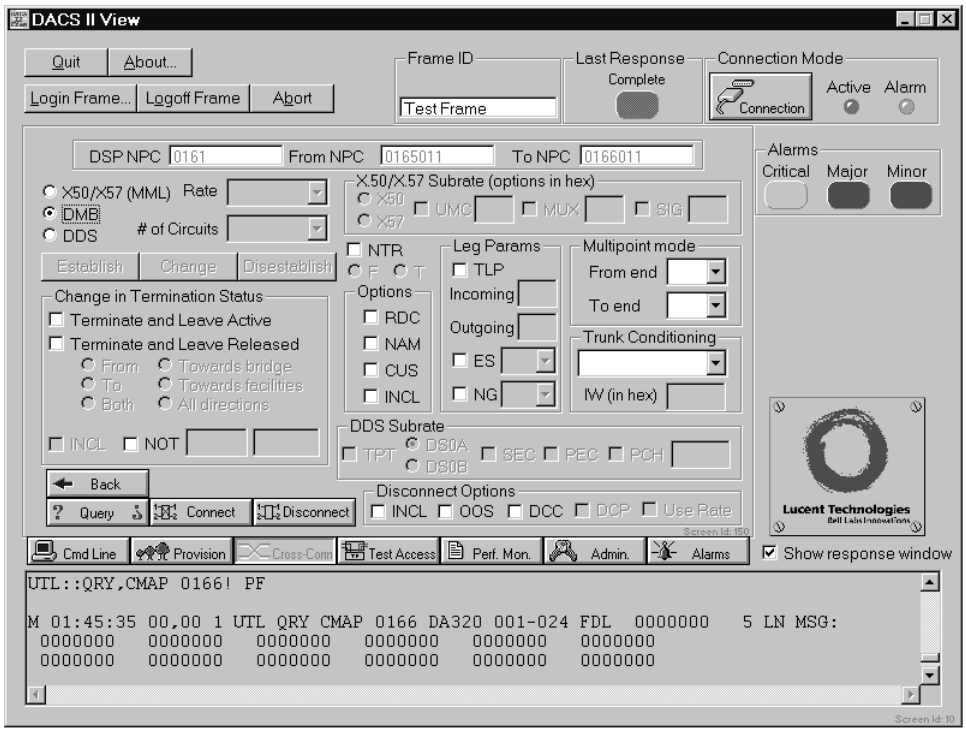


Figure 5-12. DSP Cross-Connect Window

DSP Platform Cross-Connections

Background

The Digital Signal Processing Platform (DSPP) hardware is a TG193 circuit pack that plugs into any slot in the DACS IFTU. The channels of the TG193 circuit pack may be cross-connected to other channels on other NPCs in the system.

The DSP Platform supports several software applications:

- Multi-point Junction Unit (MJU) application
- X.50/X.57 application
- Digital Multipoint Bridge application
- DDS Subrate

Before you begin

Before you make DSP platform cross-connections, you must establish channels before connecting them.

For:	Grow and Restore NPCs with NPC Type:
DSP DMB cross-connection	SD311
DSP DDS or MJU cross-connection	SD411
DSP X.50/X.57 cross-connection	SD111

Procedure

To establish a cross-connection for an application on the DSP Platform:

1. Click **Cross-Conn**.The Main Cross-Connect Window displays.

2. Identify the cross-connection by entering the NPC and Channel number for the From and To sides. Use a hyphen to specify a range of channels in the Channel fields. For example: 1-24.

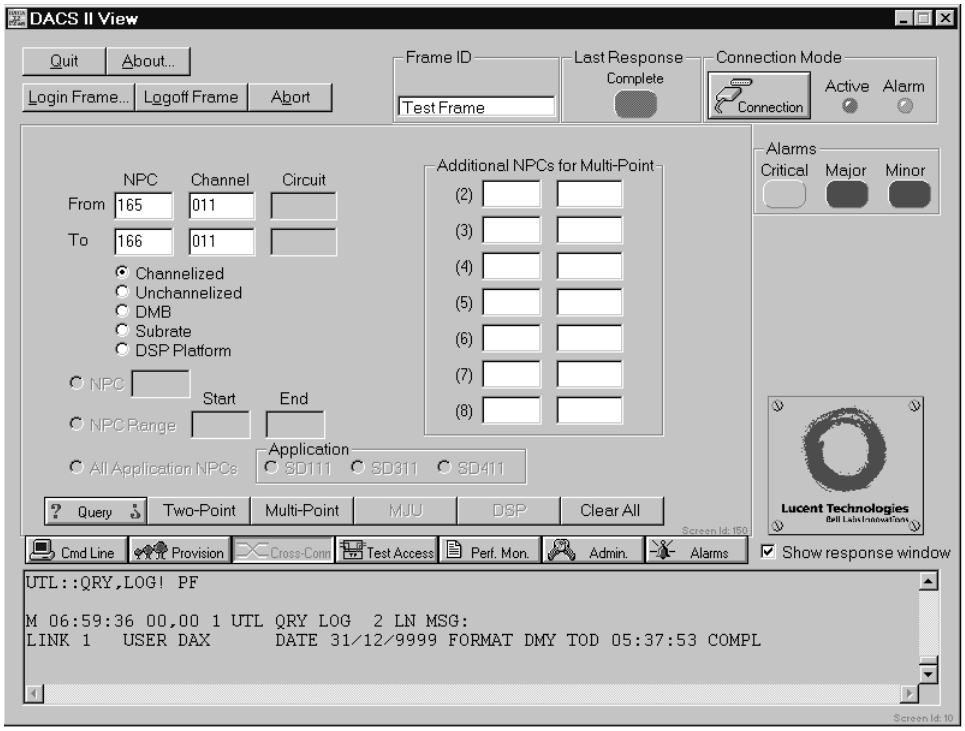


Figure 5-13. Main Cross-Connect Window

3. To see the existing cross-connections for the From NPC and the first To NPC, click **Query.** The response appears in the Command Response Window.
4. Select DSP Platform.
5. Select one of the following: NPC, NPC Range, or All Application NPCs. Select SD111, SD311, or SD411.
6. Click one of the following buttons:
   - For the MJU application, click **MJU**. Go to step 7.
   - For X.50/X.57, DMB, or DDS Subrate, click **DSP**. Go to step 8.

7. For the MJU application, identify the characteristics of the cross-connection.

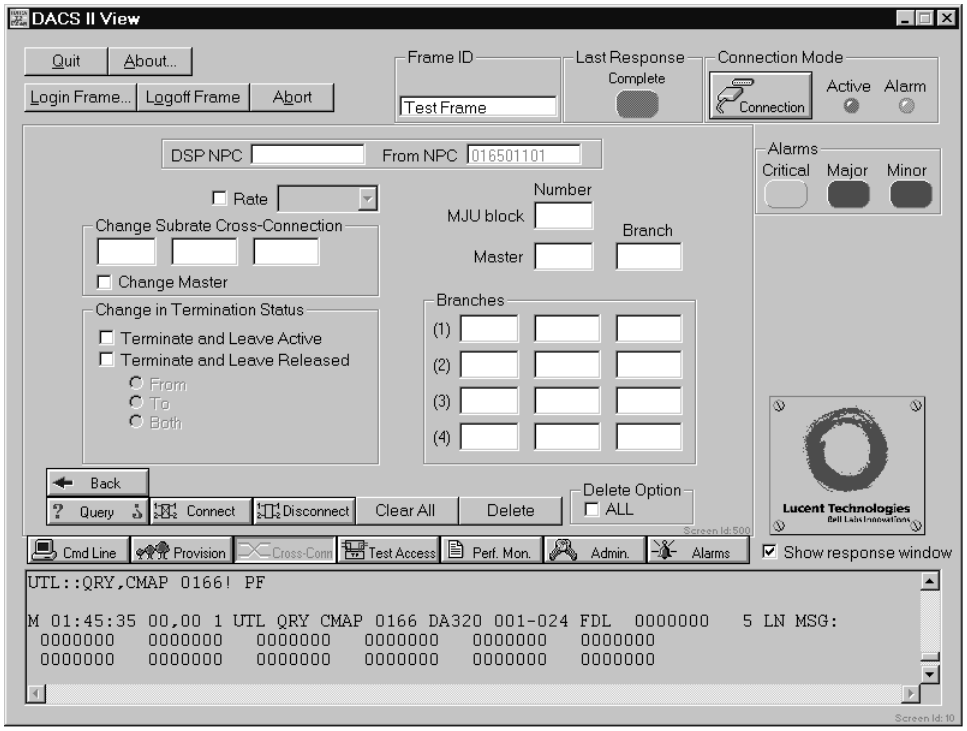


Figure 5-14. MJU Window

a. Refer to these guidelines:

Change Subrate Cross-Connection box: Use this box to change the NPC of the master leg. Specify a new NPC, channel, and circuit in the Change Subrate Cross-Connection box, check Change Master, then click the **Connect** button.

MJU Circuit Cross-Connection: Specify the MJU block number (1-9999), Master leg number (1-9999), and number of branches (1-4). Enter the NPC, channel, and circuit number for each branch. Once the MJU block has been created, its branches may be either cross-connected to channels on facility terminating NPCs or cascaded to other newly created MJU blocks.

b. When finished entering parameters, click **Connect**. To return to the Main Cross-Connect Window, click **Back**.

8. Select one of the applications listed in the top left of the window: X.50/X.57, DMB, or DDS. Enter the communication parameters. When finished entering parameters, click **Connect**. To return to the Main Cross-Connect Window, click **Back**.

The following figure shows a sample screen.

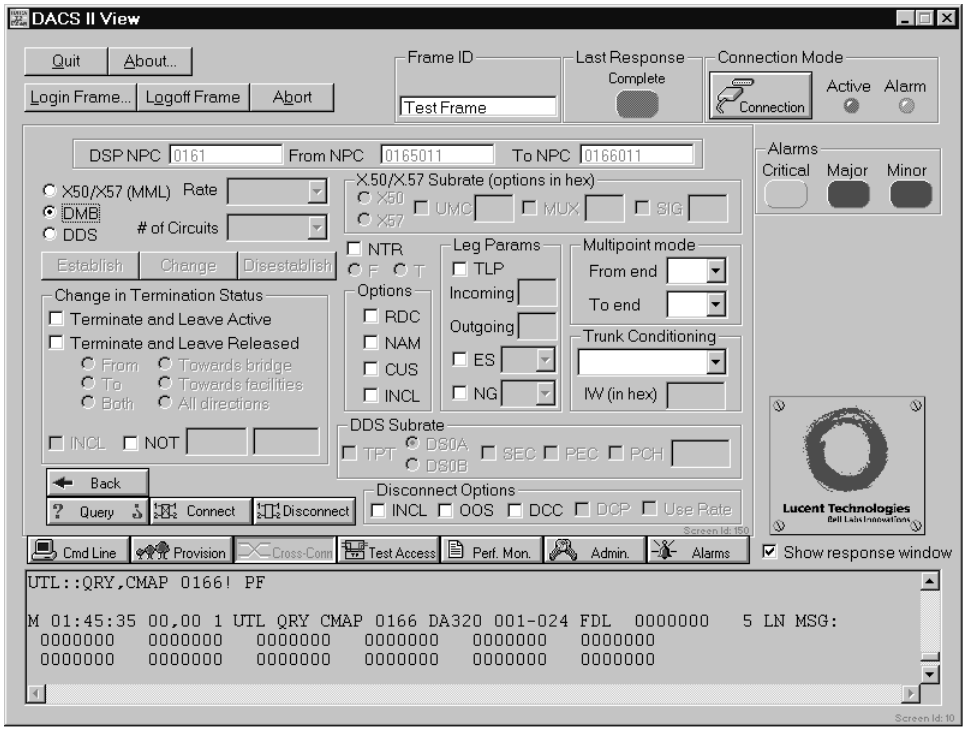


Figure 5-15. DSP Cross-Connect Window

Disconnecting DSP Platform Cross-Connections

Before you begin

Disconnect the DSP Platform cross-connection before degrowing the NPCs in the cross-connection.

Procedure

To disconnect a cross-connection for an application on the DSP Platform:

1. Click **Cross-Conn**.The Main Cross-Connect Window displays.
2. Identify the cross-connection by entering the NPC and Channel number for the From and To sides. Use a hyphen to specify a range of channels in the Channel fields. For example: 1-24.

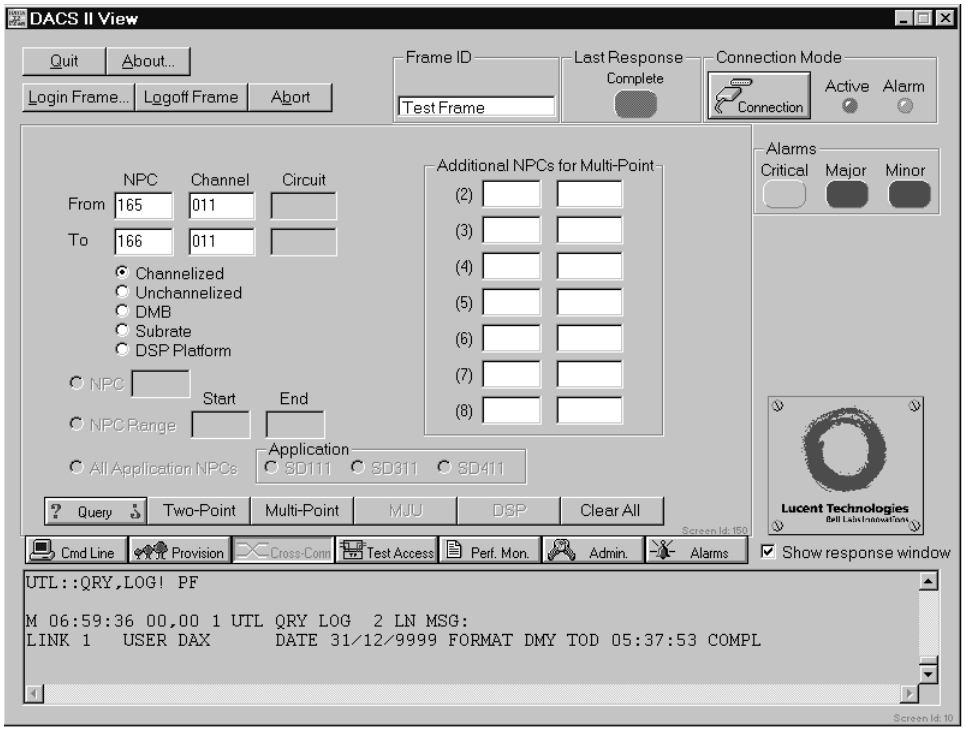


Figure 5-16. Main Cross-Connect Window

3. To see the existing cross-connections for the From NPC and the first To NPC, click **Query.** The response appears in the Command Response Window.
4. Select DSP Platform.

5. Select one of the following: NPC, NPC Range, or All Application NPCs. Select SD111, SD311, or SD411.
6. Click one of the following buttons:
   - For the MJU application, click **MJU**. Go to step 7.
   - For X.50/X.57, DMB, or DDS Subrate, click **DSP**. Go to step 8.
7. For the MJU application, click **Disconnect**. To return to the Main Cross-Connect Window, click **Back**.

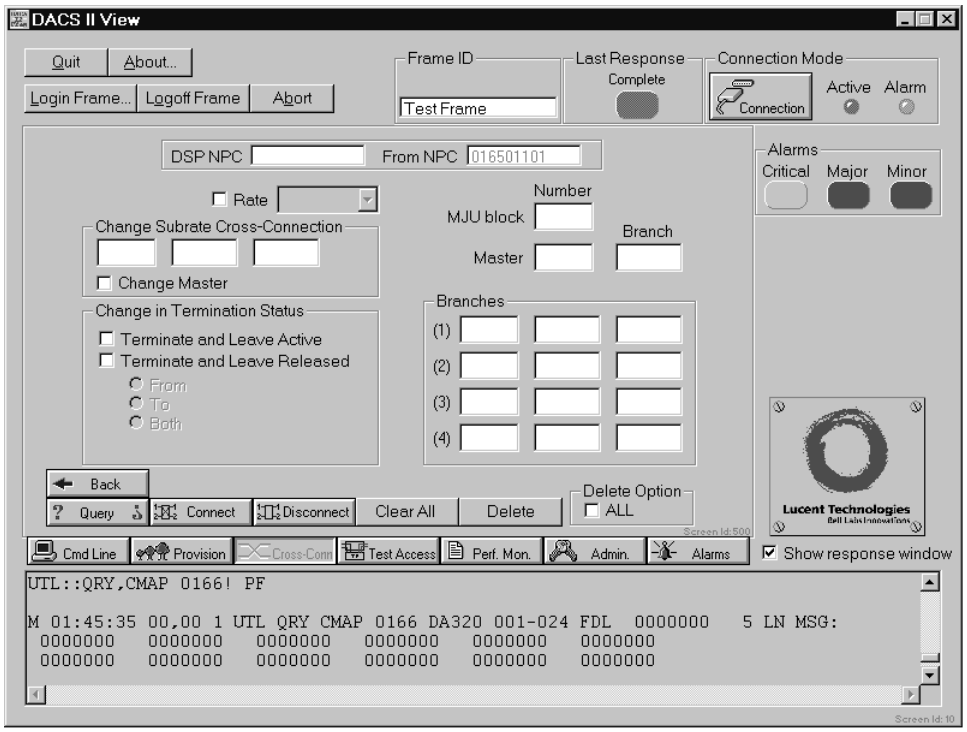


Figure 5-17. MJU Window

8. Select any required Disconnect Options.
9. Click **Disconnect**.

   The following figure shows a sample screen.

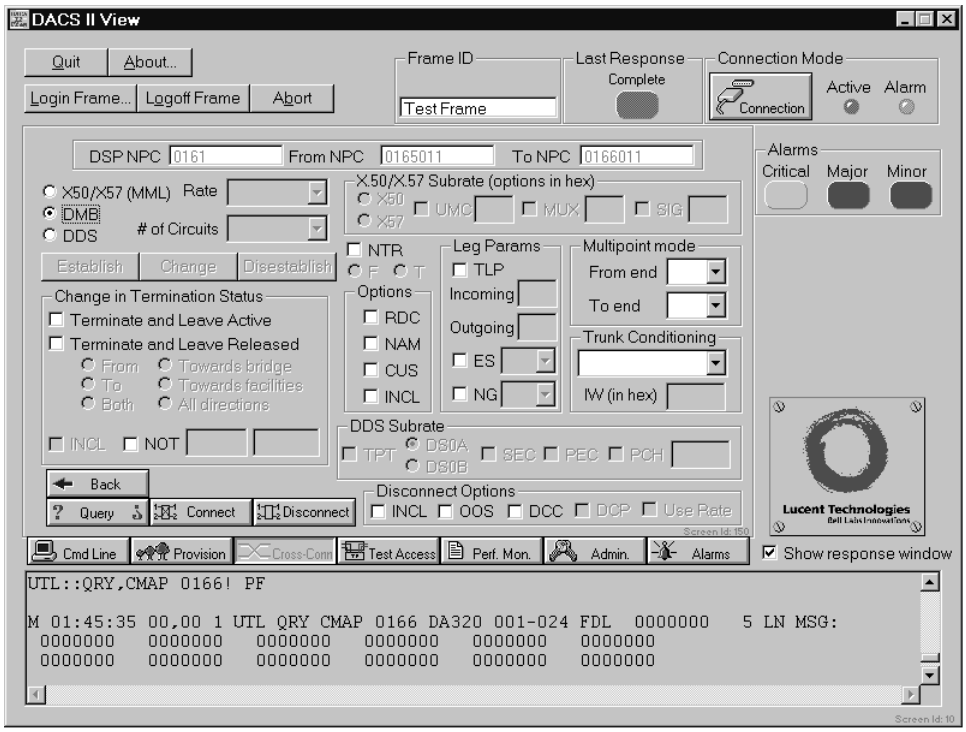


Figure 5-18. DSP Cross-Connect Window

Test Access

6

Test Access Option

When to Use

You may want to run tests after initially provisioning a circuit or when a transmission problem is discovered in an existing circuit.

Click **Test Access** from the menu bar to do any of the following:

- Grow or degrow a Test Port
- Grow or degrow a Test Group
- Change Facility Test Access Digroup Mode
- Change Test Port or Test Group Test Access Mode

Before you begin

Before you use **Test Access**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.
- Through the **Provisioning** option:
  - The NPCs involved in the test must be equipped and in-service (grown and restored).
  - An NPC may be designated with a Test Group Number or Test Port Number, then grown as an NPCTP or NPCTG.
- For DSP applications, you do not need to designate an NPC as an NPCTG or NPCTP.

Establishing NPC Test Ports and Groups

Procedure

To specify NPC Test Ports and Test Groups:

1. Click **Test Access**.

   The Main Test Access Window displays.

2. To display existing NPC Test Ports and Test Groups, click **Show QuickView**. The list displays in a separate pop-up window.

   a. On the left side of the dialog, double-click Test Ports or Test Groups. The listing expands, just as a directory listing expands when you use Windows NT Explorer.

   b. Click a Test Port or Test Group, then click **Query**. The right side of the dialog displays the attributes of the Test Port or Test Group, as shown in the following example.

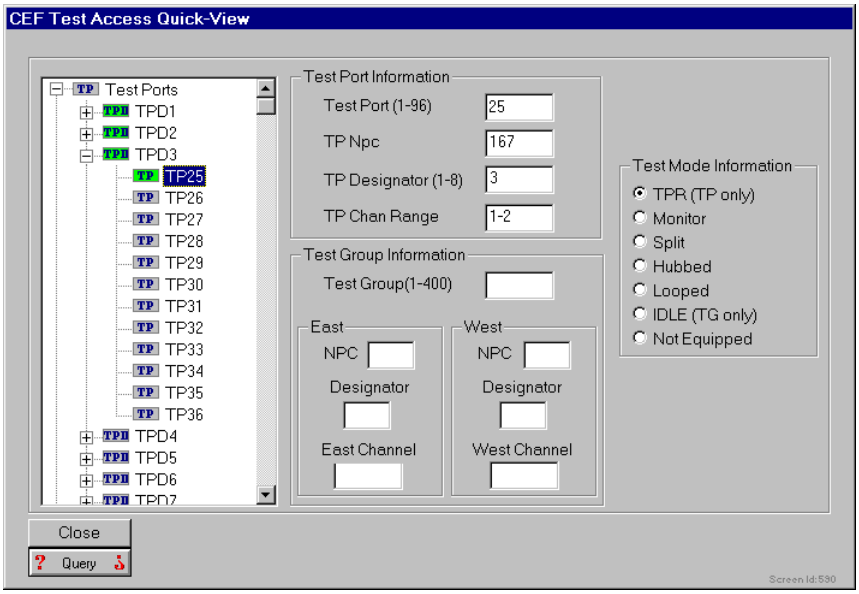


Figure 6-1. Test Access Quick-View Window

   c. You can keep this window open while you work in the Main Test Access Window. Click **Close** when you are done.

3. To identify a new NPC Test Port or Test Group, return to the Main Test Access Window and specify the characteristics of the Test Port or Test Group, then click **Grow**.

The following is an example.

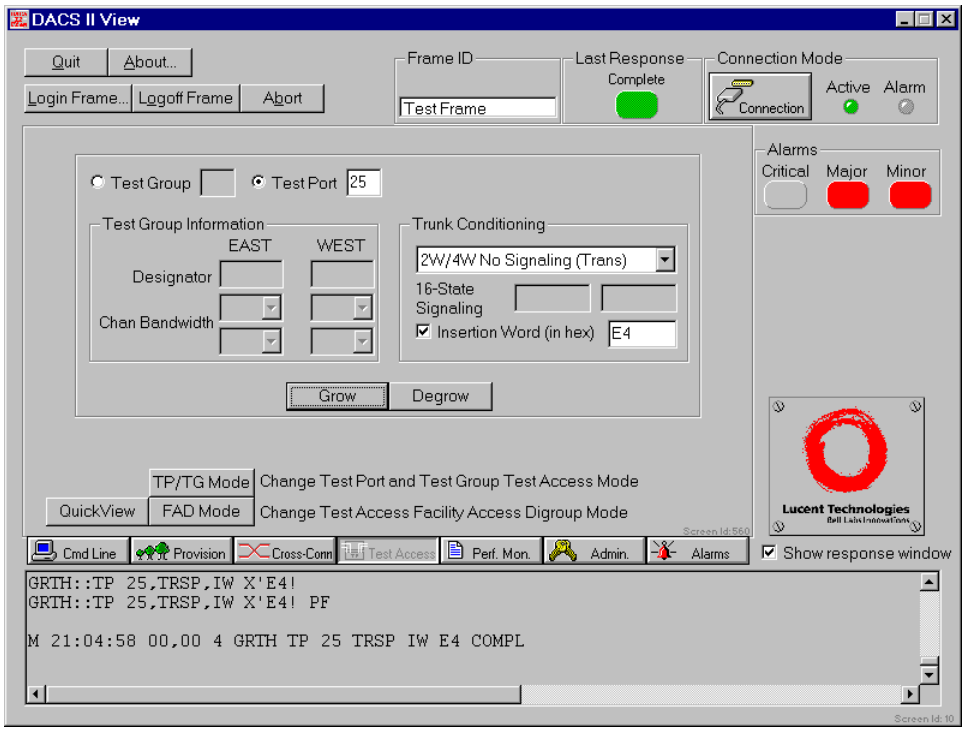


Figure 6-2. Main Test Access Window, Grow Test Port Example

4. To exit the Main Test Access Window, select another option from the menu bar.

Degrowing NPC Test Ports and Groups

Procedure

To degrow NPC Test Ports and Test Groups:

1. Click **Test Access**.

   The Main Test Access Window displays.

2. Click **Show QuickView** to display the list of grown Test Ports and Test Groups. The list displays in a separate pop-up window. See Figure 6-1.

3. Note the Test Port or Test Group to be degrown, then return to the Main Test Access Window.

4. Enter the information for the Test Port or Test Group, then click **Degrow**.

   The following figure provides an example.

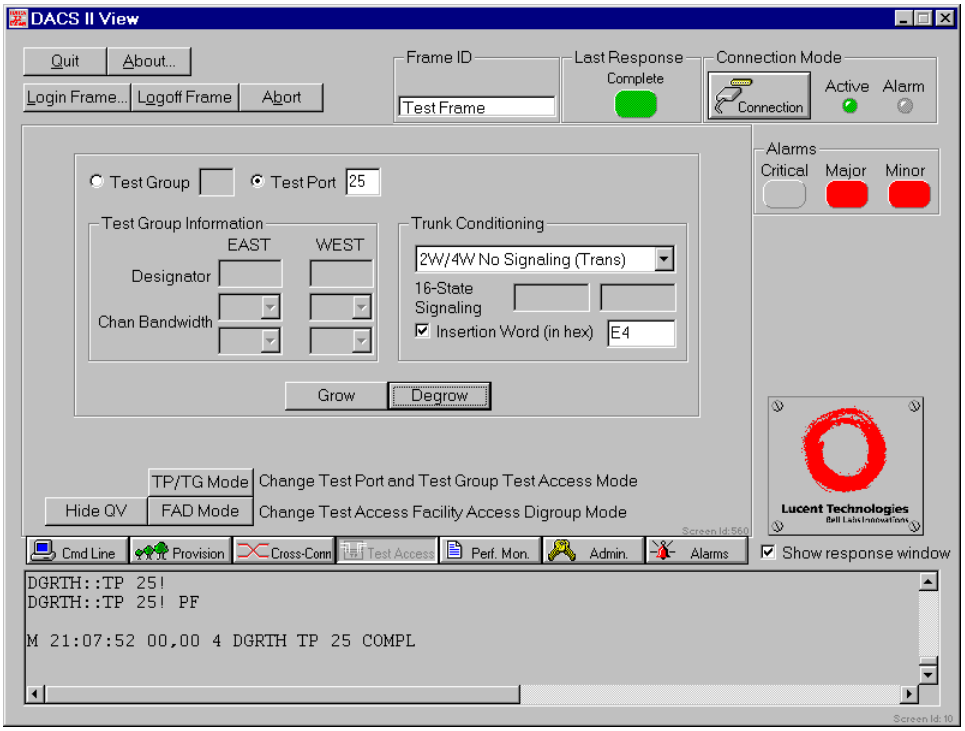


Figure 6-3. Main Test Access Window, Degrow Test Port Example

5. To exit the Main Test Access Window, select another option from the menu bar.

Establishing a Test Connection for a Test Port or Test Group

Description

Use this procedure to test channelized two-point or multipoint connections, as well as DSPU NPCs and DSP applications.

Procedure

To run a test:

1. Click **Test Access**.

   The Main Test Access Window displays.

2. To establish a test connection for a test port or test group:

   a. Click **Show QuickView** to display the list of grown Test Ports and Test Groups. The list displays in a separate pop-up window. See Figure 6-1.

   b. Note the Test Port or Test Group to be connected, then return to the Main Test Access Window.

   c. Enter the information identifying the Test Port or Test Group, then click **TP/TG Mode**.

3. To establish a test connection for a T1, E1, DSP application or a subrate circuit, click **TP/TG Mode**.

4. On the Mode Window, identify the test.

To test:	Select:
DSP DMB type cross-connection	DSP
DDS or MJU cross-connection	Subrate
DSP DDS, MJU, or X.50/X.57 cross-connection	DSP and Subrate
Two-point, multipoint, or DMB cross-connection	Neither DSP or Subrate

NOTE:
The key area of the DACS II View window displays a diagram for each test mode.

5. When finished entering parameters, click **Apply**.

   The following figure shows the Test Access Mode Window.

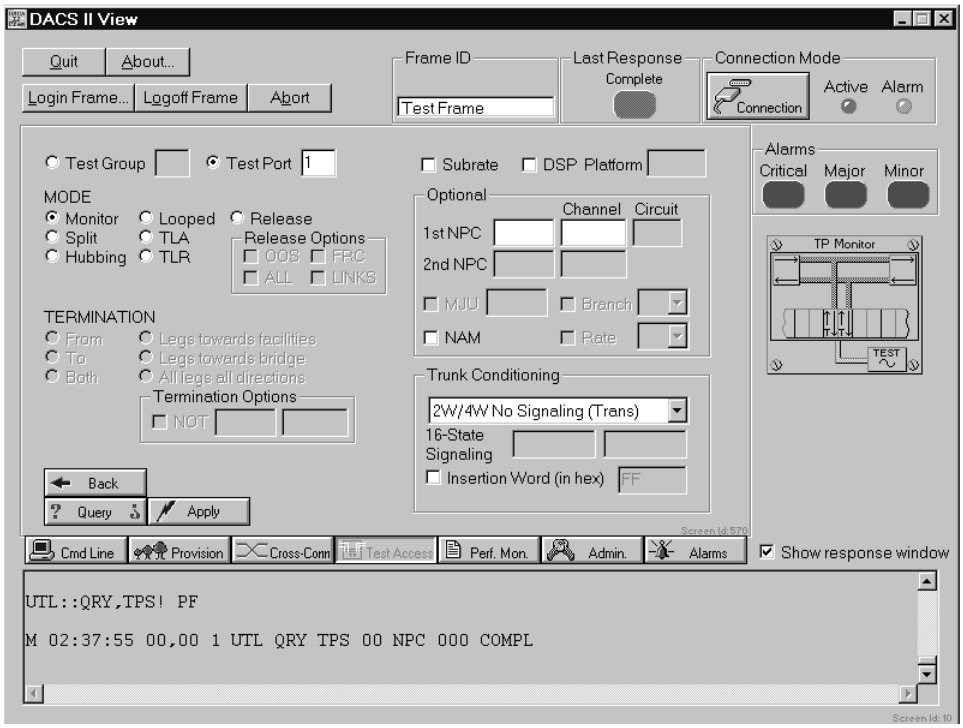


Figure 6-4. Test Access Mode Window

6. To stop the test, in the Mode field, select Release and select any necessary Release Options. Click **Apply**.
7. To return to the Main Test Access Window, click **Back**.

Establishing a Test Connection for a Facility Access Digroup

Procedure

To specify the test parameters and run a test for a Facility Access Digroup:

1. Click **Test Access**.
2. Click **FAD Mode**.

   The Test Access FAD Window displays.

NOTE:
The key area of the DACS II View window displays a diagram for each test mode.

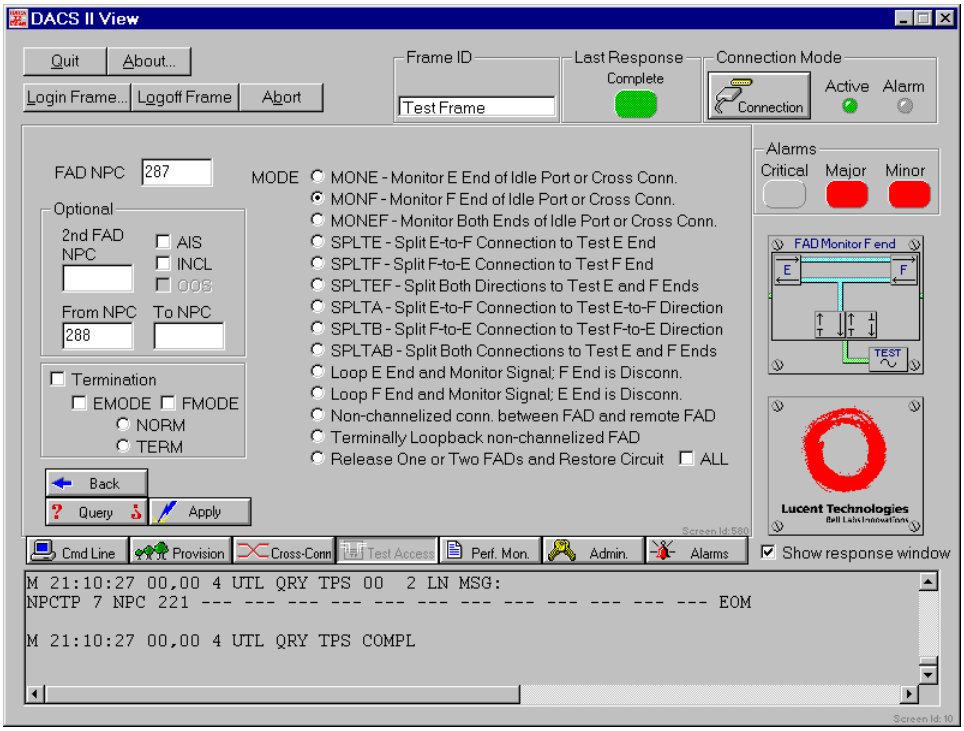


Figure 6-5. Test Access FAD Window, Test Connection for FAD Example

3. To see if any FAD tests are already set up, click **Query**. The response appears in the Command Response Window.
4. Return to the Test Access FAD Window and identify the test.
5. When finished entering parameters, click **Apply**.

6. To stop the test, in the Mode field, either:
   - — Select "Release One or Two FADs and Restore Circuit" then click **Apply.**
   - — Select "Release One or Two FADs and Restore Circuit", select "All," then click **Apply**.
7. To return to the Main Test Access Window, click **Back**.

Performance Monitoring

7

Perf. Mon. Option

When to Use

Click on the **Perf. Mon.** button to display or change settings for performance monitoring data. For example, from **Perf. Mon.** you can:

- Change performance parameter thresholds
- Schedule a performance monitoring report
- Check performance monitoring data
- Clear performance monitoring counts
- Activate or deactivate facility test signals
- Activate or deactivate a facility loopback
- Display DACS II CEF performance monitoring report

Before you begin

Before you use **Perf. Mon.**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.

Using Performance Monitoring

Procedure

To use the Performance Monitoring feature:

1. Click **Perf. Mon.**

   The Performance Monitoring Window displays.

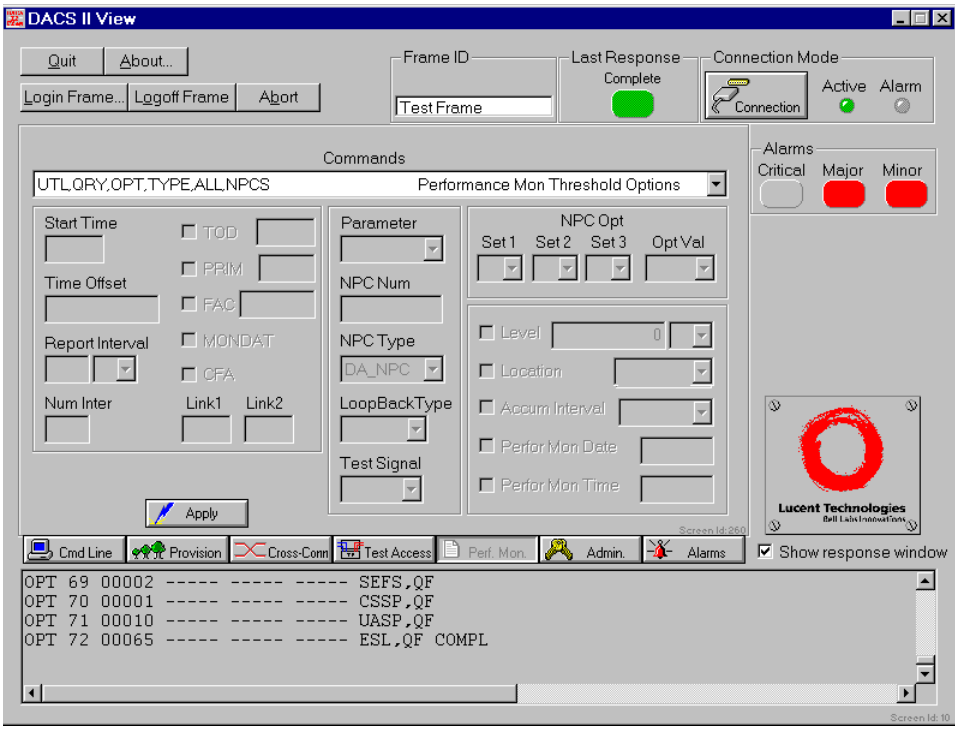


Figure 7-1. Performance Monitoring Window

2. Select a command from the Commands box.

   The following commands are listed:

MML	PDS
ED,OPT,T1,NPC,TYPE,ALL	CHG,SETOP,TYPE,ALL,NPCOP
OPR,LPBK,T1,LOOP,LOCN	OPR,LPBK,NPC,LOCN
OPR,TSIG,T1	OPR,TSIG,NPC
RLS,LPBK,T1,LOOP,LOCN	RLS,LPBK,NPC,LOCN
RLS,TSIG,T1	RLS,TSIG,NPC
INIT,REG,T1,NPC	UTL,CLR,NPC,ALL,AI,LOCN,MONDAT,MONTIM
RTRV,STATE,EQPT,NPC,LPBK	UTL,QRY,LPBK,NPC
RTRV,PM,T1,NPC	UTL,QRY,NPC,ALL,AI,LV,LOCN,MONDAT
RTRV,OPT,T1,NPC	UTL,QRY,OPT,TYPE,ALL,NPCS
RTRV,PMSCHED,T1,NPC	UTL,QRY,PMSCHED,NPC,ALL

MML	PDS
RTRV,PMREPT,SCHED	UTL,QRY,TOD,CFA,MONDAT
SCHED,PMREPT,T1,NPC	UTL,SCHED,PMREPT,NPC,RI,ST,NI,LV,LOCN
SCHED,PMREPT,ALL	UTL,TOD,CFA,FAC,PRIM,MONDAT

If the command you chose requires additional information, the related fields become accessible.

3. Set parameters and click **Apply**.

   The response appears in the Command Response Window.

NOTE:
You can also see the results in the Fully Interactive Command Window. You can have the Fully Interactive Command Window open at all times while using DACS II View. For details, see Chapter 12.

Administration

8

Admin. Option

When to Use

Click on the **Admin**. button to provision DACS administrative links and users, set the date/time on the DACS, and set options for DACS II View.

Use the **Admin**. option to:

- Restore or remove service from an administrative link
- Log off a DACS user or an administrative link
- Configure administrative links
- Configure message screening options and user interface characteristics for DACS users
- Set the DACS system clock or set the DACS system date and program the interval at which the date will be automatically printed by the DACS
- Change the DACS II View password
- Change settings for DACS II View, including log size, timeout to Alarm Mode, and logo.
- Enable the automatic alarm query feature which will poll the DACS at a specified interval to see the current alarm status.

Before you begin

Before you use **Admin.**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.

Guidelines

Here are a few guidelines to keep in mind:

- To display the current settings on the DACS, click **Query** on the Administration Windows.
- To see which commands can be executed from the Administration Windows, refer to Chapter 12.
- Some administration actions require that you are logged on to the DACS as user DAX. To log in to the DACS, use **Login Frame...**

Provisioning an Administrative Link

Procedure

To provision an administrative link:

1. Click **Admin**.

   The Main Administration Window displays.

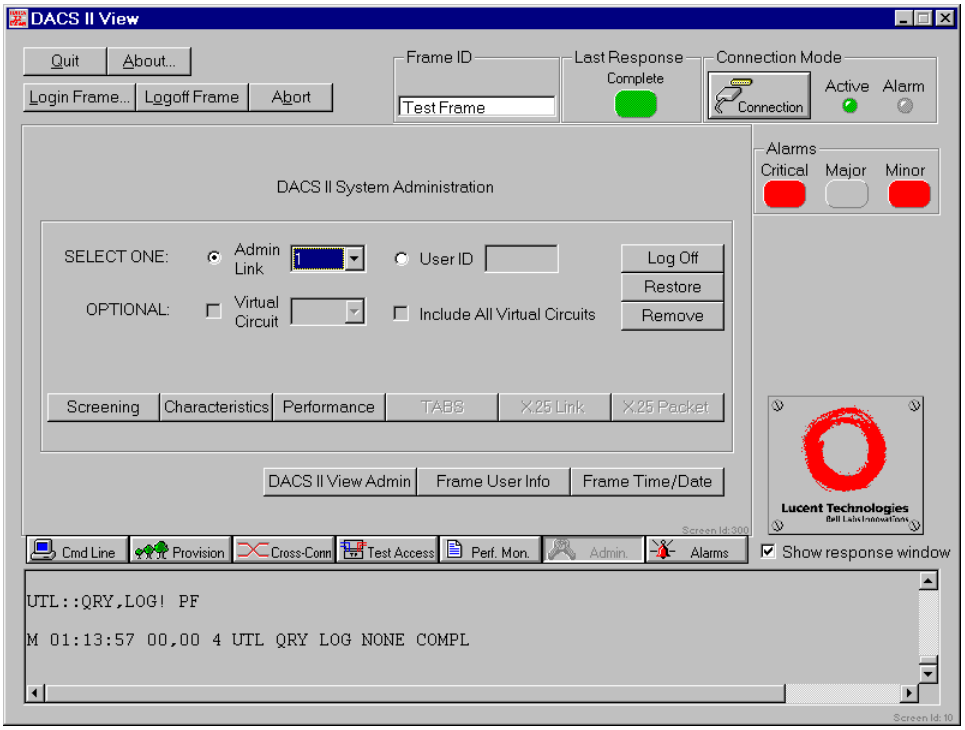


Figure 8-1. Main Administration Window

2. Select Admin Link, then select an Admin Link number.

   If the administrative link is X.25, you can also specify a virtual circuit or check the "Include All Virtual Circuits" box.

3. To view or change output message screening options, click **Screening**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

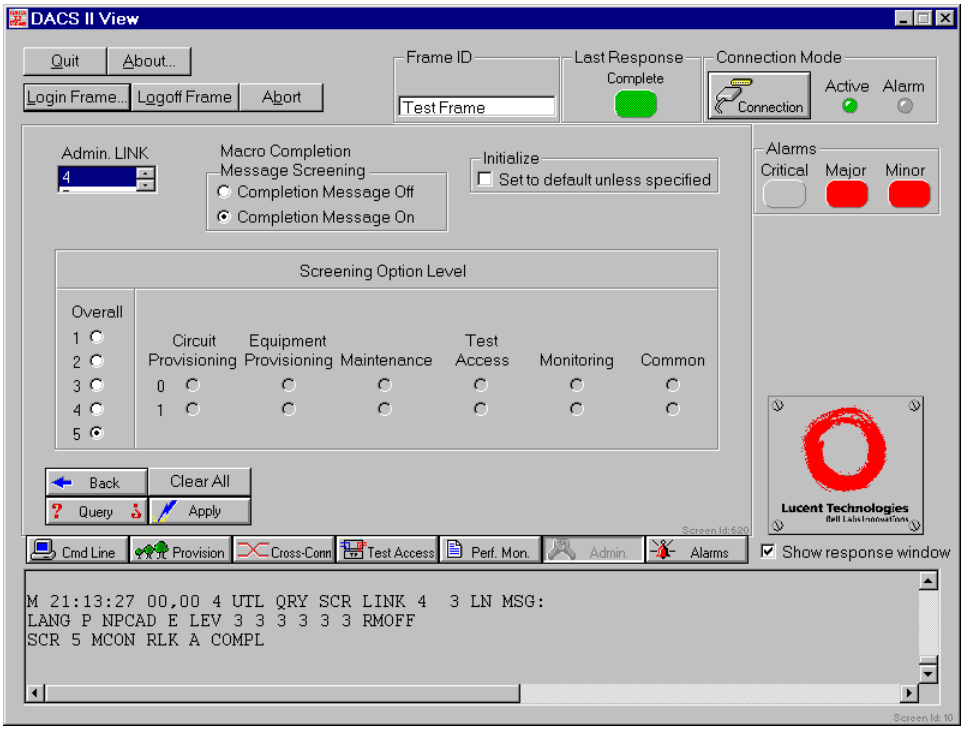


Figure 8-2. Screening Window

4. To change characteristics of the administration link, such as Input Command Priority, Restricted Maintenance option, message language of the link, NPC addressing mode, and link removal permission, click **Characteristics**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

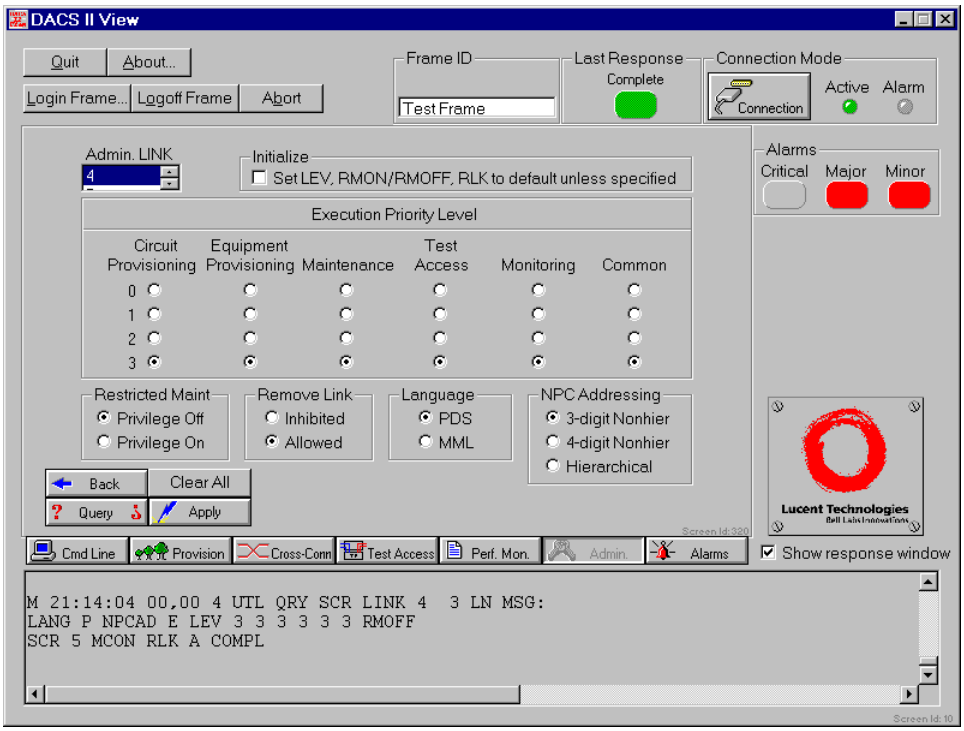


Figure 8-3. Characteristics Window

5. To set the link performance parameters, such as Protocol and Baud Rate, click **Performance**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

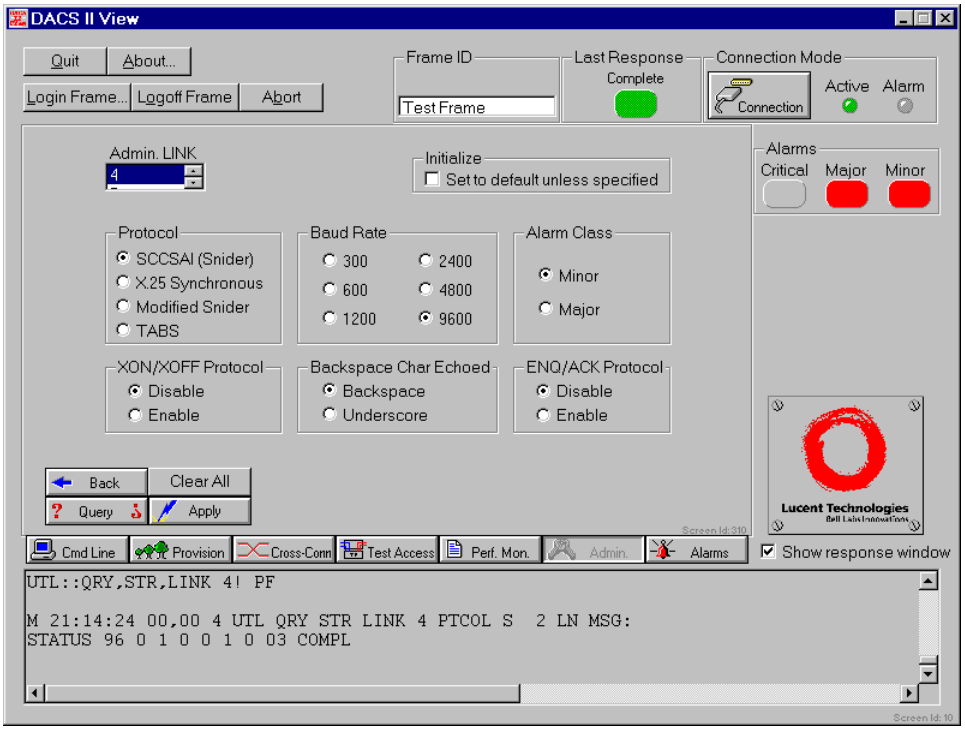


Figure 8-4. Performance Window

6. To set parameters for an administrative link using Telemetry Asynchronous Block Serial (TABS) protocol, click **TABS**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

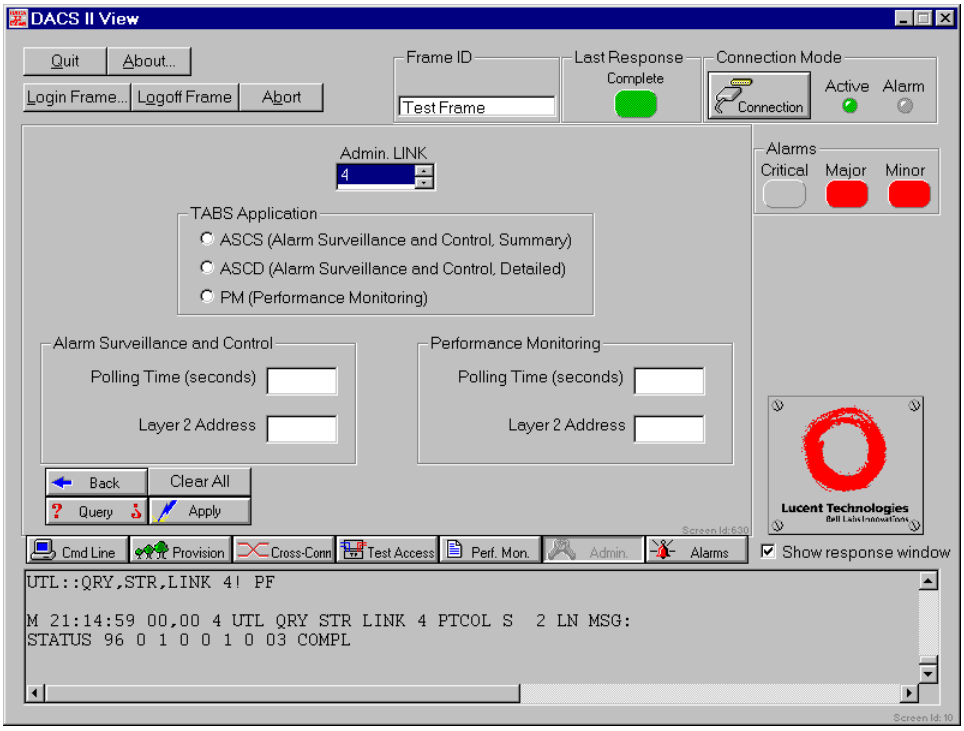


Figure 8-5. TABS Window

7. To provision link communication parameters for an X.25 link, click **X.25 Link**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

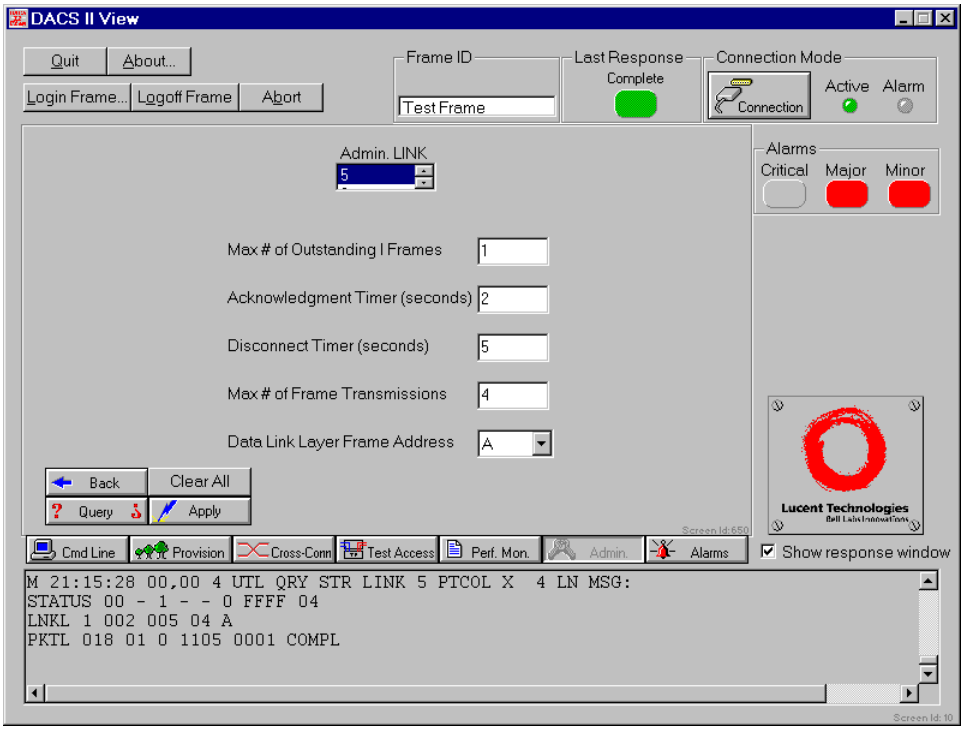


Figure 8-6. X.25 Link Window

8. To provision packet layering parameters for an X.25 administrative link, click **X.25 Packet**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

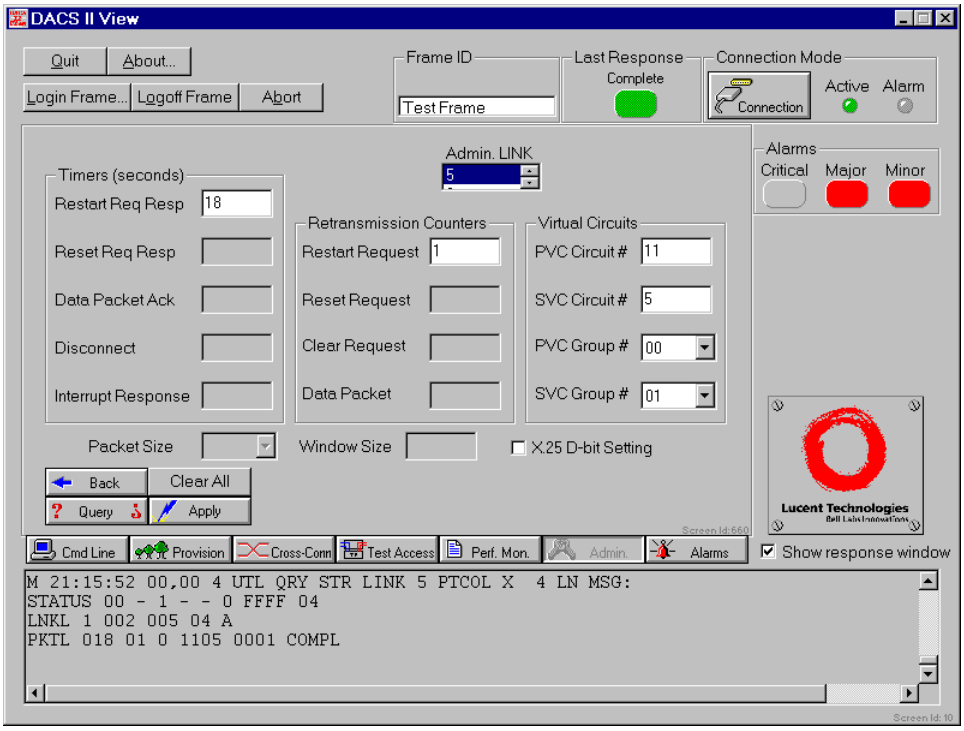


Figure 8-7. X.25 Packet Window

Selecting Administrative Link Options for a DACS User ID

Procedure

To select administrative link options for a DACS user:

1. Click **Admin**.

   The Main Administration Window displays.

2. Select User ID and enter the DACS User ID.

3. To view or change output message screening options for this user, click **Screening**. Enter an Admin. LINK number. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

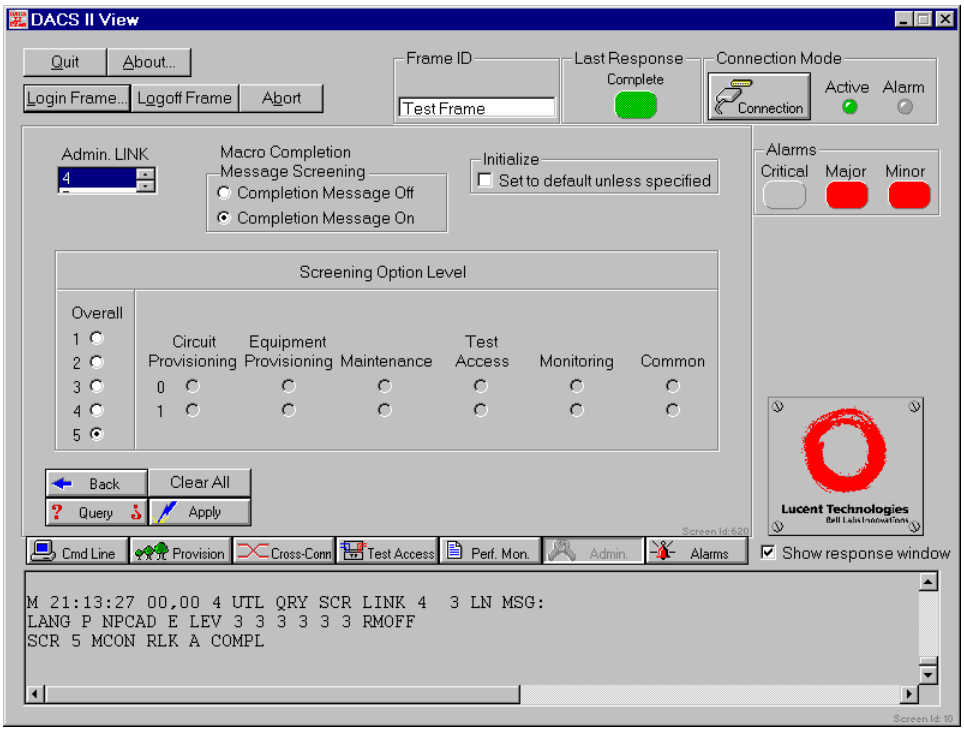


Figure 8-8. Screening Window

4. To change characteristics of the administration link for this user, such as Input Command Priority, Restricted Maintenance option, message language of the link, NPC addressing mode, and link removal permission, click **Characteristics**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

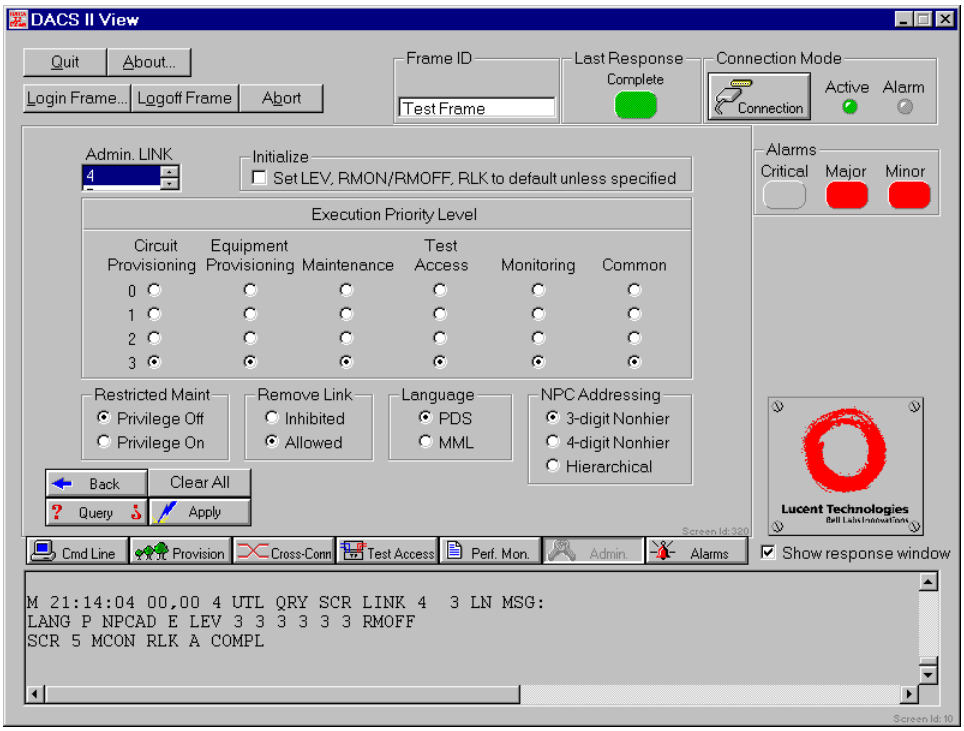


Figure 8-9. Characteristics Window

Removing or Restoring Service to an Administrative Link

Procedure

To remove or restore service to an administrative link:

1. Click **Admin**.

   The Main Administration Window displays.

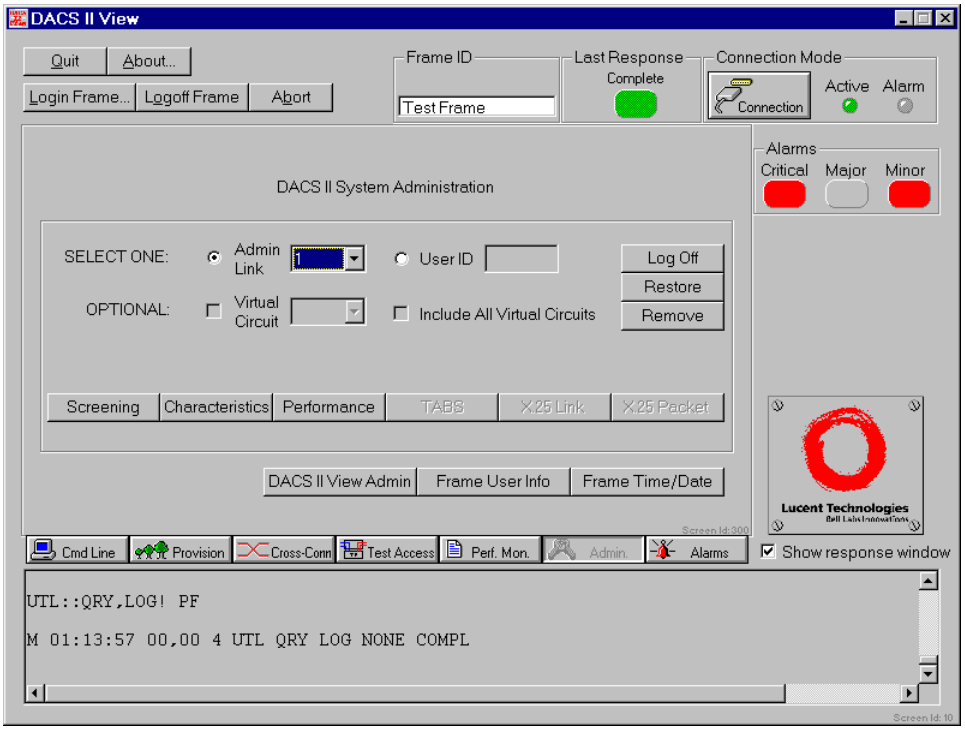


Figure 8-10. Main Administration Window

2. Select an Admin Link number.

   If the administrative link is X.25, you can also specify a virtual circuit or check the “Include All Virtual Circuits” box.

3. Select one of the following buttons:

Button	Purpose
Remove	To remove service from an administrative link.
Restore	To restore service to an administrative link.

Logging Off a DACS User or an Administrative Link

Procedure

To log off a DACS user or to log off all users from an administrative link:

1. Click **Admin**.

   The Main Administration Window displays.

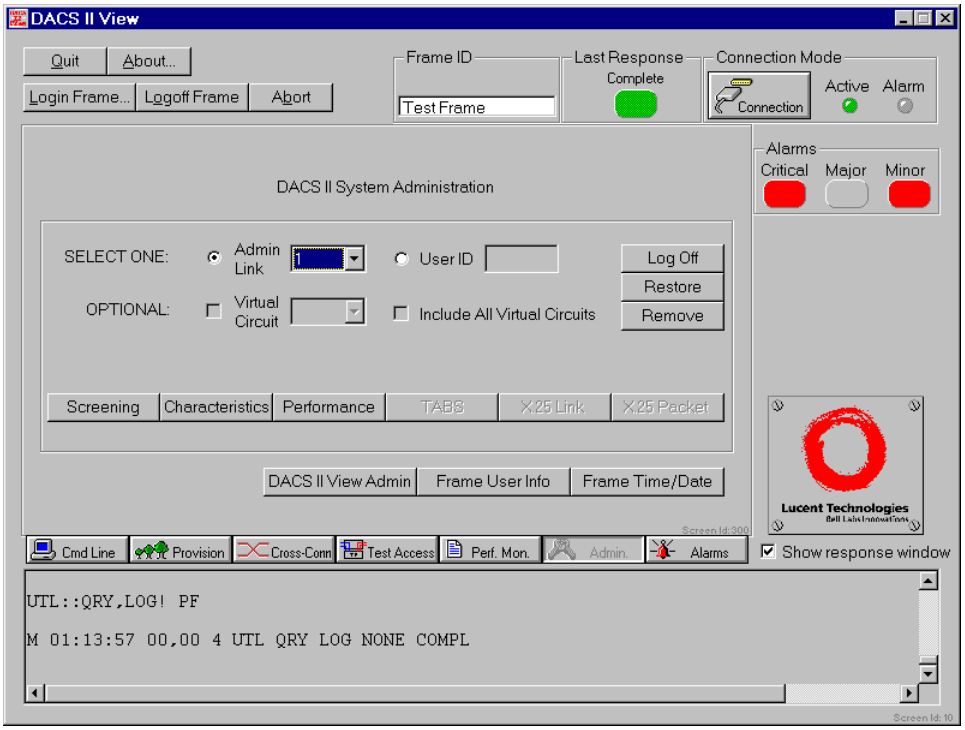


Figure 8-11. Main Administration Window

2. Choose one of the following actions:
   - To log off an administrative link, select an Admin Link number.

     If the administrative link is X.25, you can also specify a virtual circuit or check the "Include All Virtual Circuits" box.
   - To log off a DACS user, enter a User ID.
3. Click **Log Off**.

Setting Options for DACS II View

Procedure

To set DACS II View options:

1. Click **Admin**.
2. From the Main Administration Window, click **DACS II View Admin**.

   The DACS II View Administration Window displays.

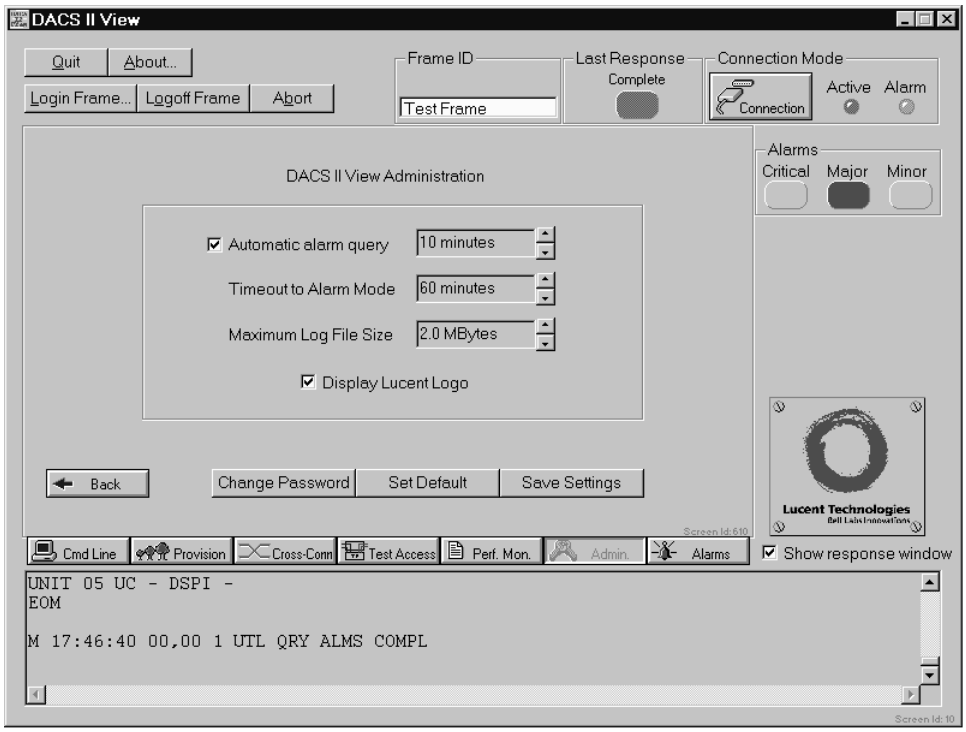


Figure 8-12. DACS II View Administration Window

3. Set the DACS II View parameters:

   - **Automatic alarm query:** This feature enables DACS II View to poll the DACS for alarms at specified intervals. Normally, DACS II View reports on new alarms that occur on the DACS. However, when an alarm is cleared, DACS II View may not be automatically notified. The automatic alarm query feature allows DACS II View to check the DACS alarm status regularly and update the alarm indicators with the most current information available from the DACS.

     You can enable or disable this feature. and if enabled, set the interval for the query to occur. The default settings are enabled, and execute every 10 minutes. The interval can be set from every 1

minute to up to 60 minutes. When this feature is disabled, the user must manually query the DACS to see if alarms have cleared, by pressing the **Query** button from the Main Provisioning or the Alarms window.

- **Timeout to Alarm Mode**: the number of minutes before DACS II View automatically switches an idle Active Mode connection to Alarm Mode. Default is 10 minutes.
- **Maximum Log Size**: the maximum size of the DACS_LOG.txt file. Default is 500 KB. For more information on the log file, see Chapter 9.
- **Display Lucent Logo**: enable or disable display of Lucent logo on right side of DACS II View Main Window.

4. Choose one of the following actions:
   - Click **Save Settings** to store the new settings.
   - Click **Set Default** to restore the default settings.
5. Click Back to return to the Main Administration Window.

Changing DACS II View Password

Procedure

To change the DACS II View password:

1. Click **Admin**.
2. From the Main Administration Window, click **DACS II View Admin**.

   The DACS II View Administration Window displays.

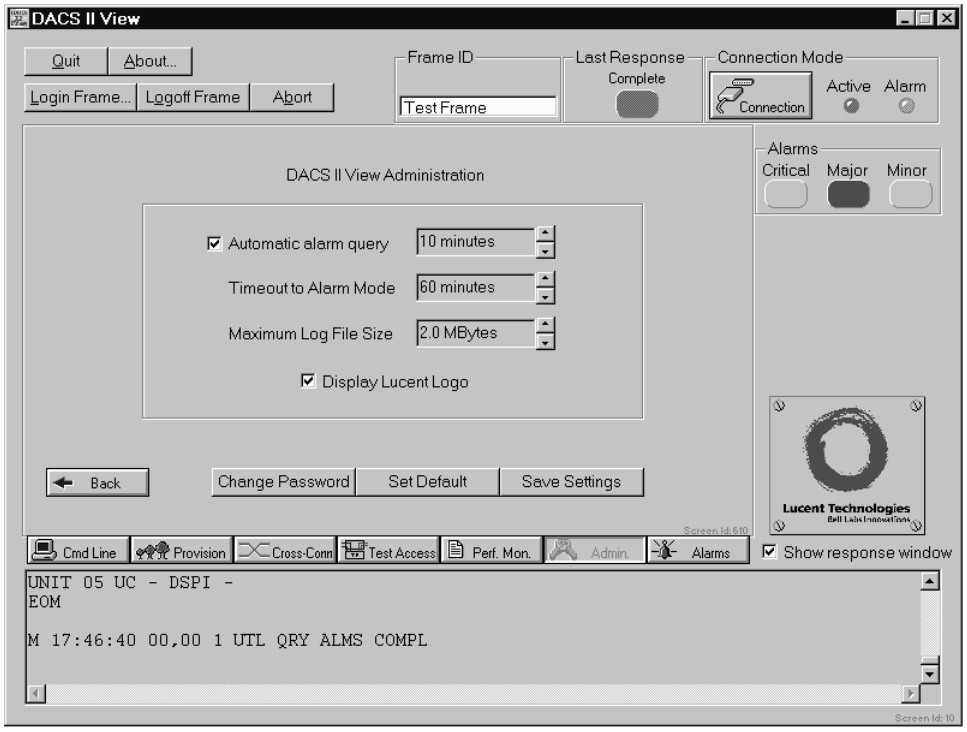


Figure 8-13. DACS II View Administration Window

3. Click **Change Password**.
4. Enter the new password twice.
5. Click **Back** to return to the Main Administration Window.

Administering DACS User IDs

Procedure

To add, delete, or reassign a password to a DACS User ID:

1. Click **Admin**.
2. From the Main Administration Window, click **Frame User Info**.

   The Frame User Info Window displays.

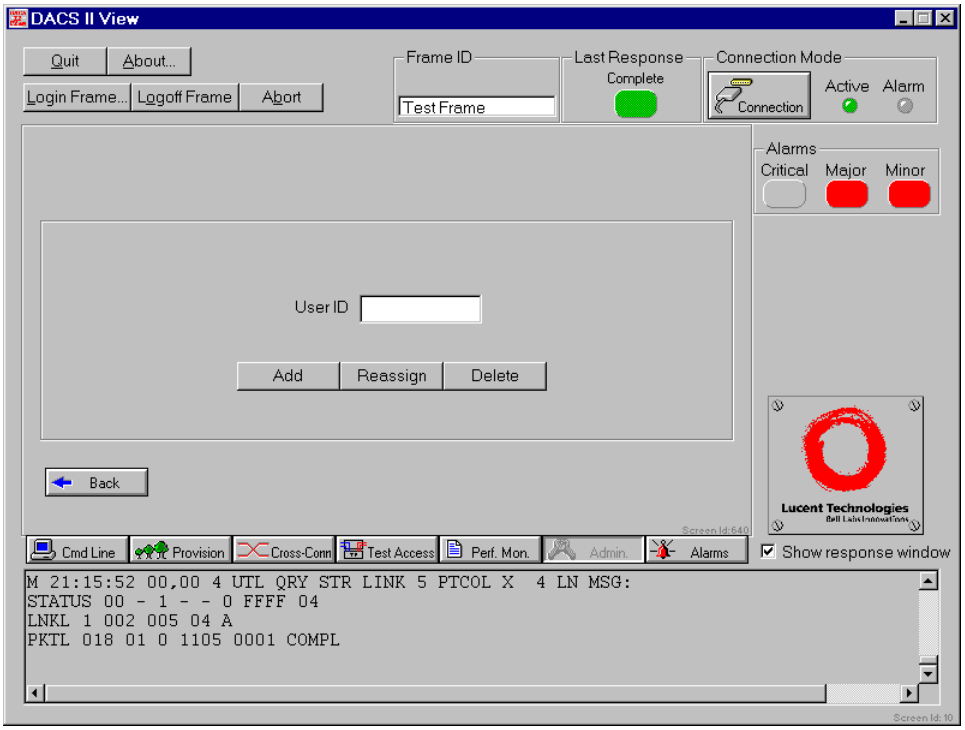


Figure 8-14. Frame User Info Window

3. Choose one of the following actions:
   - To add a new User ID, enter a new User ID and click **Add**.
   - To reassign a password, enter an existing User ID and click **Reassign**. When prompted, enter a new password twice.
   - To delete a User ID, enter an existing User ID and click **Delete**.
4. Click **Back** to return to the Main Administration Window.

Changing Time/Date

Procedure

To set the DACS time, date, date format, or change when the DACS automatically prints out the date (Date Interval):

1. Click **Admin**.
2. From the Main Administration Window, click **Frame Time/Date**.

   The Frame Time/Date Window displays.

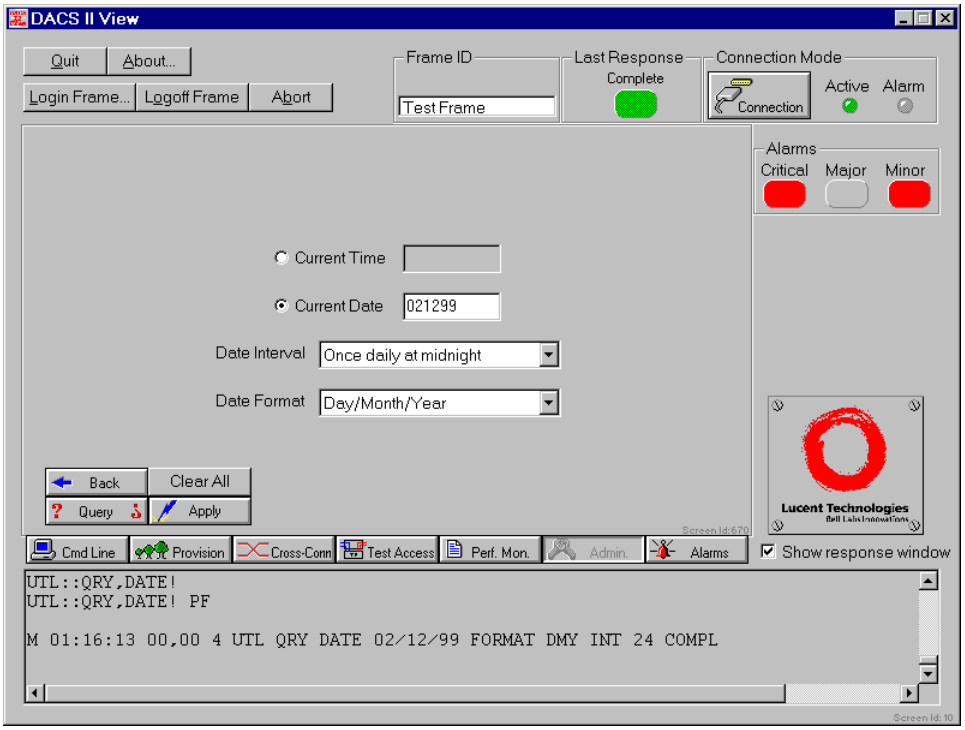


Figure 8-15. Frame Time/Date Window

3. Choose any of the following actions:
   - To display the current settings for time and date, click **Query**.
   - To change the Current Time, select Current Time and enter the hour, minutes, and seconds in 24-hour notation. For example, 170000.
   - To change the settings for Date Interval or Date Format, specify a new value.
4. When done making changes, click **Apply**.
5. Click **Back** to return to the Main Administration Window.

Alarms

9

Alarms Overview

When you establish a connection to a DACS through DACS II View, DACS II View automatically monitors the DACS for alarms.

When a critical, major, or minor alarm occurs, an alarm indicator is lit in the Main Window. The indicator stays lit until all alarms of that severity are cleared and DACS II View has retrieved the current alarm state.

Alarm messages are displayed in the Alarms Window. This chapter describes the Alarms Window and the Command Log which provides a history of commands.

Monitoring Alarms

Overview

This procedure describes how to monitor alarms in both the Active Mode and Alarm Mode.

Before you begin

To monitor alarms, you must be connected to the DACS. For details, see “Connecting to the DACS” in Chapter 3.

Procedure

When a critical, major, or minor alarm occurs, an alarm indicator is lit in the Main Window. The alarm indicator stays lit until all alarms of that severity are cleared.

To display alarms:

- In Active Connection Mode, select **Alarms** from the menu bar on the Main Window. The Alarms Window displays.
- In Alarm Connection Mode, the Alarms Window displays automatically.

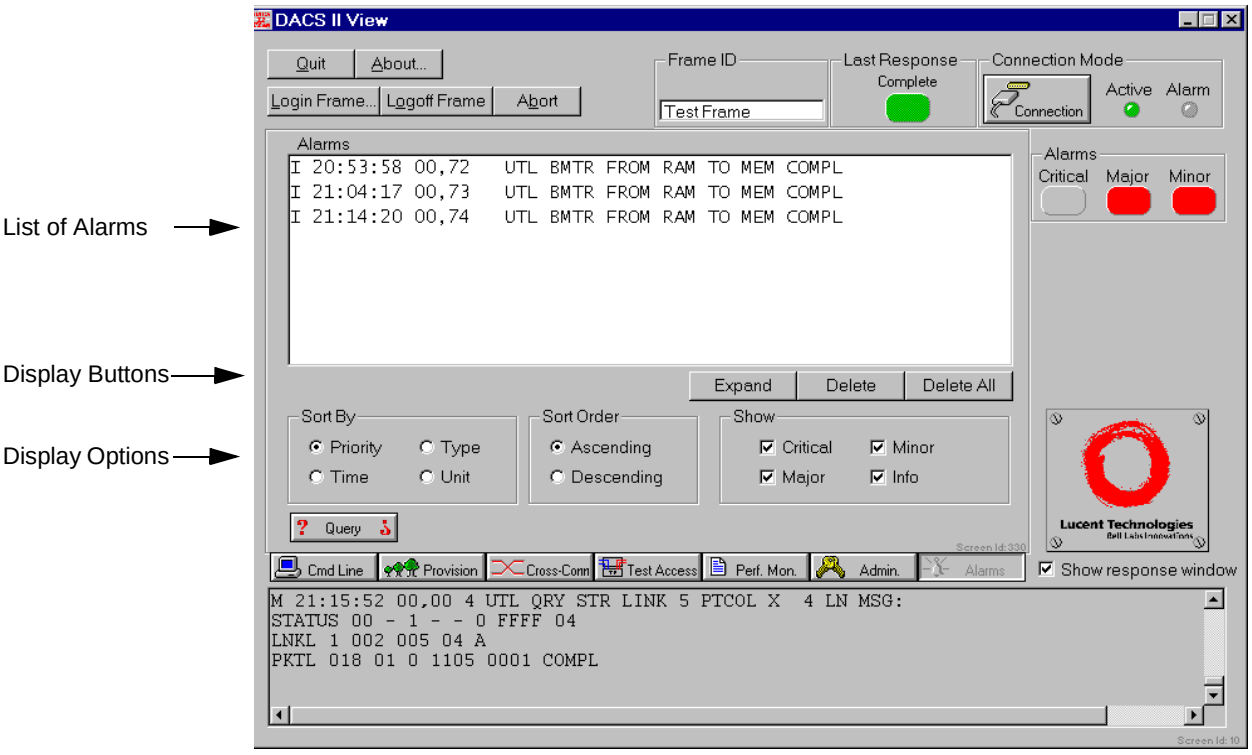


Figure 9-1. Alarms Window

Parts of the Alarm Window

There are three parts to the Alarms Window:

- **List of Alarms**: This area lists all alarms generated while connected to the DACS: critical, major, minor, and informational alarms. The first line of each alarm message is displayed in the alarm list. Alarms are added to the list as they occur, unless you choose to order them differently using the display options. Alarms stay in the alarm list until you delete them or you disconnect from the DACS.
- **Display Buttons**: There are four display buttons:
  - **Query** updates the alarm indicators in the Main Window so that the current alarm status is shown.

    Click **Query** to see if there are any existing alarms on the DACS when you first connect. If there are existing alarms, the color indicators in the Main Window will light. Any alarm messages that were generated before you connected through DACS II View will not be displayed.
  - **Expand** displays the entire alarm message for a highlighted entry. The following example shows an expanded alarm message.

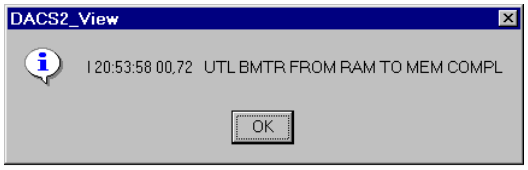


Figure 9-2. Expanded Alarm Message

  - **Delete** removes a highlighted alarm message from the alarm list.
  - **Delete All** removes all entries from the alarm list.

    Delete and **Delete All** remove entries from the Alarm Window; they do not resolve alarm conditions.
- **Display Options**: These options enable you to change the order and type of alarm displayed.

Clearing Alarms

Overview

DACS II View will display alarms immediately when they occur on the DACS.

To clear an alarm, you must have an Active Mode Connection. In Active Mode, you can use the DACS II View menu bar options to help you clear alarms.

Due to the responses from the frame, DACS II View will not always be able to determine when an alarm is cleared on the DACS. The user must either:

- manually query the DACS to update the DACS II View alarm indicators and alarm log. To query the DACS manually, press the **Query** button in the Alarms Window.
- or, set up DACS II View to automatically query the DACS for alarms periodically, such as every 10 minutes. See “Setting Options for DACS II View” in Chapter 8.

When the DACS is queried for alarms, the alarm indicators in the DACS II View Main Window will be updated.

To see the history of commands executed through DACS II View, refer to the command log, DACS_LOG.txt for a history of commands executed through DACS II View. See “Displaying the Command Log” for details.

Refer to the DACS documentation for descriptions of DACS commands, troubleshooting procedures, and descriptions of error codes. The DACS documents are listed in “Related Documents” in Chapter 1.

Displaying the Command Log

Log Name and Location

The DACS II View command log, DACS_LOG.txt is kept locally on your PC in the C:\Winnt\Profiles directory.

Accessing the Command Log

An icon automatically appears for DACS_LOG.txt on your desktop after your first connection to a DACS through DACS II View. To access it, double-click it. The file opens in Microsoft Notepad.

Log Contents

For each connection, the log contains:

- a date and time stamp for the start of the connection session
- a record of each command executed during the connection
- a date and time stamp for the end of the connection session

Log Size

The maximum size of DACS_LOG.txt is 500KB, by default. When the log reaches its maximum size, it is renamed DACS_LOG_OLD.txt and a new DACS_LOG.txt file is started.

To change the maximum size of DACS_LOG.txt, from the Main Window, click on the **Admin** button. Click on **DACS II View Admin**. Change the setting for the Maximum Log File Size, then click **Save Settings**.

The old file, DACS_LOG_OLD.txt, is saved in the C:\Winnt\Profiles directory. If there is an old file already existing, and DACS II View is in Alarm Mode, the old file is overwritten. If there is an old file already existing, and DACS II View is in Active Mode, the system prompts you to save the old file under a different name or to overwrite the old log file.

Command Line

10

Cmd Line Option

When to use

Click **Cmd Line** from the menu bar when you want to communicate with the DACS using the DACS command line to enter a DACS PDS or MML command.

Before you begin

In order to access the DACS command line, the connection to the DACS must be an Active Connection Mode.

For information on DACS commands, refer to the books listed in “Related Documents” in Chapter 1.

Using the DACS Command Line

Overview

There are two ways to enter DACS commands from DACS II View:

- Use the one-line user entry field that appears in the Cmd Line Window.
- Click **Show Interactive** in the Cmd Line Window to display the Fully Interactive Command Line Window. The Fully Interactive Command Line Window displays all commands you have entered during the current connection and allows you to enter new ones.

Using the One-Line Command Line

To use the DACS command line:

1. Click **Cmd Line** in the menu bar.

   The Cmd Line Window displays.

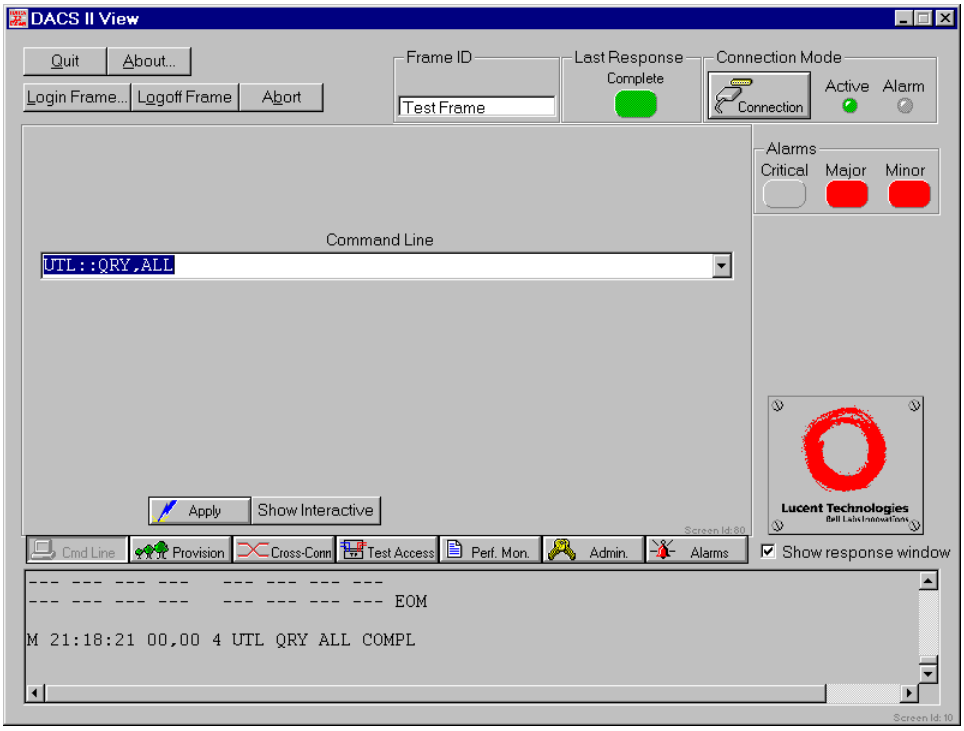


Figure 10-1. Cmd Line Window

2. Enter a command. There are three ways to enter a command:
   - Type in the entire command.
   - Select a command from the pulldown scroll list.
   - Select a command from the pulldown scroll list and edit it to make a new command.

     The scroll list initially appears blank. It includes all commands you have entered manually during this connection session. The scroll list is cleared when you disconnect or exit DACS II View.
3. Click **Apply** or press **Enter** to execute the command.
4. To exit the Cmd Line Window, select another option from the menu bar.

Using the Fully Interactive Command Line

The Fully Interactive Command Line Window displays all commands you have entered during the current connection and allows you to enter new ones. It also provides the ability to cut and paste commands already entered.

To use the Fully Interactive Command Line Window:

1. Click **Cmd Line** in the menu bar.

   The Cmd Line Window displays.
2. Click **Show Interactive**.

The Fully Interactive Command Line Window displays.

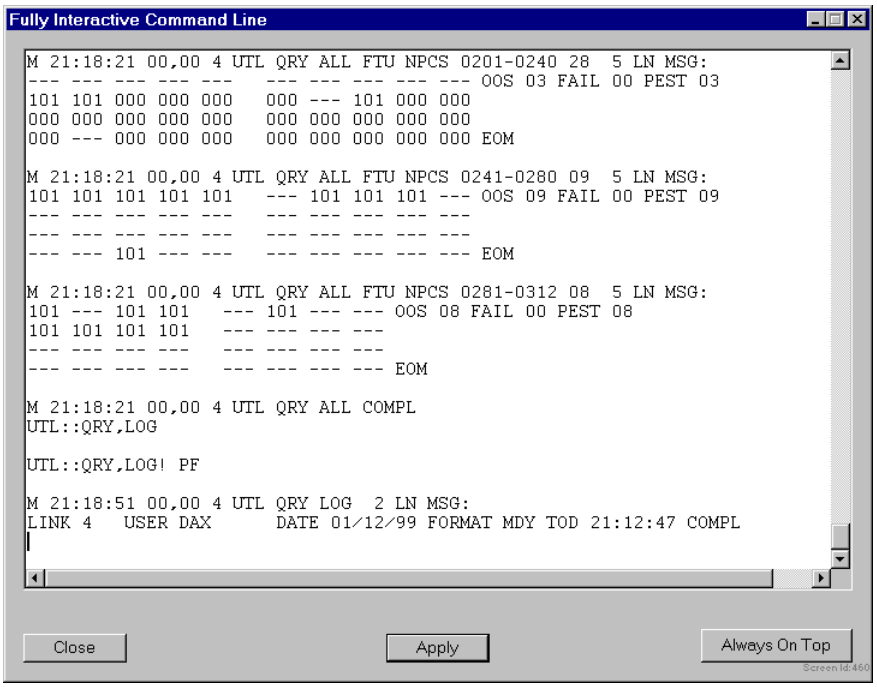


Figure 10-2. Fully Interactive Command Line Window

3. To keep this window visible while you continue to work in the DACS II View Main Window, click **Always On Top**.
4. Enter a command. There are three ways to enter a command:
   - Type in the entire command.
   - Repeat a command already present in the window by copying (Ctrl+C) and pasting (CTRL+V) it where the cursor appears.
   - Copy and paste a command where the cursor appears, then edit it to make a new command.
5. Click **Apply** or press **Enter** to execute a command.
6. To close the Fully Interactive Command Line Window, click **Close** or return to the Cmd Line Window and click **Hide Interactive**.

Troubleshooting

11

Troubleshooting Procedures

The following table provides a list of common problems and their solutions.

Problem	Solution
DACS II View software did not install successfully.	Make sure you have enough disk space, at least 10 MB must be available for installation. Make sure you are installing on a PC running Windows NT 4.0. If problem still exists, call Lucent Technologies technical assistance at 1-800-225-4672.
DACS is not responding.	Check the settings for the admin link and the connection. See Chapter 3, “Start Up.”
Cannot connect to DACS.	Check the hardware connection and test it. See Chapter 3, “Start Up.”
Forgot login.	Call for technical assistance at 1-800-225-4672
All menu options appear shadowed.	You are in Alarm Mode. To change to Active Mode, see “Changing Modes” in Chapter 3, “Start Up.”

Problem	Solution
DACS II View switched to Alarm Mode automatically.	When DACS II View is in Active Mode and left idle, it automatically switches to Alarm Mode. Switch modes and enter the DACS II View password. To change the setting for "Timeout to Alarm Mode." from the Main Window, click **Admin.** Click **DACS II View Admin.** Change the setting for "Timeout to Alarm Mode." Click **Save Settings**.
Cannot find the window I want.	Select the menu option that you want to go to. Click the **Back** button to go back one screen. Click the **Home** button to switch to the first window under that menu option.
NPC color code is gray (unknown).	Click **Query** to retrieve the hardware status information from the DACS.
An icon called DACS_LOG.txt appears on the desktop.	An icon automatically appears for DACS_LOG.txt on your desktop after your first connection to a DACS through DACS II View. It contains a record of each connection session. For details, see "Displaying the Command Log," in Chapter 9.
Would like the Lucent Logo removed from the Main Window.	Log in using the established password. From the Main Window, click on the **Admin** button. Click on **DACS II View Admin**. Remove the check next to "Display Lucent Logo." Click **Save Settings**.
Have cleared alarms, but alarm indicators are still lit.	The alarm indicators stay lit until all alarms of that severity level are cleared. To make sure that the alarm indicators reflect the current condition of the DACS, press **Query** from the Alarms Window or the Main Provisioning Window to immediately retrieve the current alarm status of the DACS. Since DACS II View may not be automatically notified when an alarm clears, you must either press the **Query** button on the Alarms Window or set the Automatic Alarm Query feature to query for alarms automatically. See "Setting Options for DACS II View" in Chapter 8.
PC crashed and DACS II View is either missing or corrupted.	Reinstall DACS II View. Refer to Chapter 3.

Command Reference

12

Overview

This section lists the DACS commands that are executed through the DACS II View workspace windows. For details on the commands, refer to the DACS II or the DACS II ISX Command and Message Manual.

NOTE:
Some commands in the following list include brief explanations. Explanations are preceded by a hyphen and are not part of the command. For example, for the entry OCON::FROM,TO - Unchannelized, the actual command is OCON::FROM,TO.

DACS II Commands

Main Provisioning Window	PDS: UTL,QRY,ALL MML: RTRV,PRMTR,EQPT,NPC,ALL	IITL# 56031
	PDS: UTL,QRY,ALMS MML: RTRV,ALM,EQPT	IITL# 53111
	PDS: UTL,QRY,EQD,COMMON MML: RTRV,STATE,COM,EQPD	IITL# 53109
Unit Window	PDS: DGRTH,UNIT MML: DISC,EQPT,UNIT	IITL# 32211
	PDS: GRTH,UNIT,TYPE,CONN MML: CRTE,CNFGRN,EQPT,UNIT	IITL# 31211
	PDS: RMV,UNIT,FC MML: RMV,EQPT,UNIT,FC	IITL# 33331
	PDS: RMV,UNIT,FLI MML: RMV,EQPT,UNIT,FLI	IITL# 33401
	PDS: RMV,UNIT,FMT MML: RMV,EQPT,UNIT,FMT	IITL# 33411
	PDS: RMV,UNIT,UC MML: RMV,EQPT,UNIT,UC	IITL# 33311
	PDS: RST,UNIT,FC MML: RST,EQPT,UNIT,FC	IITL# 34331
	PDS: RST,UNIT,FLI MML: RST,EQPT,UNIT,FLI	IITL# 34401
	PDS: RST,UNIT,FMT MML: RST,EQPT,UNIT,FMT	IITL# 34411
	PDS: RST,UNIT,UC MML: RST,EQPT,UNIT,UC	IITL# 34311
	PDS: UTL,QRY,ALL MML: RTRV,PRMTR,EQPT,NPC,ALL	IITL# 56031

DACS II Commands (Continued)

FTM Window	PDS: DGRTH,UNIT,FTMI MML: DISC,EQPT,UNIT,FTMI	IITL# 32321
	PDS: GRTH,UNIT,FTMI,EQL MML: CRTE,EQPT,UNIT,FTMI,EQL	IITL# 31321
	PDS: RMV,UNIT,FTMI,DSPI MML: RMV,EQPT,UNIT,FTMI,DSPI	IITL# 33321
	PDS: RST,UNIT,FTMI,DSPI MML: RST,EQPT,UNIT,FTMI,DSPI	IITL# 34321
	PDS: UTL,QRY,UNIT,FTMI,EQL MML: RTRV,STATE,EQPT,UNIT,FTMI	IITL# 53071
	PDS: UTL,QRY,UNIT,FTMI,IMP MML: UTL,QRY,UNIT,FTMI,EQL	IITL# 53071
DS3U Window	PDS: RMV,UNIT,MMFG,FRC,INCL MML: RMV,EQPT,UNIT,MMFG,FRC,INCL	IITL# 33421
	PDS: RST,UNIT,MMFG,INCL MML: RST,EQPT,UNIT,MMFG,INCL	IITL# 34421
	PDS: UTL::QRY,DS3,BERMT,UNIT 1 MML: RTRV,PRMTR,T3,UNIT,BERMT	IITL# 53221
	PDS: UTL::QRY,DS3,LBO MML: RTRV,PRMTR,T3,LBO	IITL# 53231

DACS II Commands (Continued)

MIU Window	PDS: DGRTH,UNIT,MIU MML: DISC,EQPT,UNIT,MIU	IITL# 32511
	PDS: GRTH,UNIT,MIU,TYPE MML: CRTE,EQPT,UNIT,MIU	IITL# 31501
	PDS: RMV,UNIT,MIU,INCL MML: RMV,EQPT,UNIT,MIU,INCL	IITL# 33431
	PDS: UTL::QRY,EQD,MIUS MML: RTRV,STATE,EQPT,MIU,EQPD	IITL# 53201
MXR Window	PDS: DGRTH,UNIT,MXR MML: DISC,EQPT,UNIT,MXR	IITL# 32501
	PDS: GRTH,UNIT,MXR,TYPE,BERM,BERT,LBO MML: CRTE,EQPT,UNIT,MXR,BERM,BERT,LBO	IITL# 31511
NPC Provisioning Window	PDS: DGRTH,NPC MML: DISC,EQPT,NPC	IITL# 32341
	PDS: DGRTH,NPC,NPCTG,TGR MML: DISC,EQPT,NPC,NPCTG,TGR	IITL# 32401
	PDS: DGRTH,NPC,NPCTP,TPR MML: DISC,EQPT,NPC,NPCTP,TPR	IITL# 32381
	PDS: DGRTH,TG MML: DISC,EQPT,TG	IITL# 32421
	PDS: DGRTH,TP MML: DISC,EQPT,TP	IITL# 32411
	PDS: GRTH,NPC,NPCTG MML: CRTE,EQPT,NPC,NPCTG	IITL# 31401
	PDS: GRTH,NPC,NPCTP MML: CRTE,EQPT,NPC,NPCTP	IITL# 31381
	PDS: GRTH,NPC,TYPE MML: CRTE,EQPT,NPC	IITL# 31331

DACS II Commands (Continued)

NPC Provisioning Window (Continued)	PDS: GRTH,NPC,TYPE MML: CRTE,EQPT,NPC	IITL# 31351
	PDS: GRTH,NPC,TYPE,OPTS,IW,X	IITL# 31371
	PDS: GRTH,NPC,TYPE,OPTS,IW,X,INCL,AIS,INFO MML: CRTE,EQPT,NPC,IW,X	IITL# 31341
	PDS: GRTH,NPC,TYPE,OPTS,IW,X,INCL,AIS,INFO MML: CRTE,EQPT,NPC,IW,X,INCL,AIS,INFO,MJ,MN	IITL# 31352
	PDS: RMV,NPC,SIDE,INCL MML: RMV,EQPT,NPC,SIDE,INCL	IITL# 33351
	PDS: RST,NPC,SIDE MML: RST,EQPT,NPC,SIDE	IITL# 34351
	PDS: UTL,QRY,EQD,COMMON MML: RTRV,STATE,COM,EQPD	IITL# 53109
	PDS: UTL,QRY,LPBK,NPC MML: RTRV,STATE,EQPT,NPC,LPBK	IITL# 53131
	PDS: UTL,QRY,NPCTG MML: RTRV,TACC,T0,NPCTG	IITL# 53091
	PDS: UTL,QRY,STATE,NPC MML: RTRV,STATE,EQPT,NPC	IITL# 56311
	PDS: UTL,QRY,STATE,NPC MML: RTRV,STATE,EQPT,NPC	IITL# 56314
MC Provisioning Window	PDS: RMV,MC MML: RMV,EQPT,MC	IITL# 33001
	PDS: RST,MC,MCOND,NOJRNL,FRC,CLR,ALL MML: RST,EQPT,MC,MCOND,NOJRNL,FRC,CLR,ALL	IITL# 34001

DACS II Commands (Continued)

ECCN Provisioning Window	PDS: RMV,CCI MML: RMV,EQPT,CCI	IITL# 33251
	PDS: RMV,ETSI MML: RMV,EQPT,ETSI	IITL# 33261
	PDS: RMV,ETSIS,ECCN,ALL MML: RMV,EQPT,ETSIS,ECCN	IITL# 33271
	PDS: RMV,SMEM,PMEM MML: RMV,EQPT,PMEM,SMEM	IITL# 33211
	PDS: RST,CCI MML: RST,EQPT,CCI	IITL# 34251
	PDS: RST,ETSI MML: RST,EQPT,ETSI	IITL# 34261
	PDS: RST,ETSIS,ECCN,ALL MML: RST,EQPT,ETSIS,ECCN	IITL# 34271
	PDS: RST,PMEM,SMEM,CLR,FRC,BKGRND MML: RST,EQPT,PMEM,SMEM,CLR,FRC,BKGRND	IITL# 34211

DACS II Commands (Continued)

TLI Window	PDS: DGRTH,SYNC,TB MML: DISC,EQPT,SYNC,TB	IITL# 32101
	PDS: DGRTH,SYNC,TLI,SSP MML: DISC,EQPT,SYNC,TLI,SSP	IITL# 32121
	PDS: GRTH,SYNC,TB,TYPE MML: CRTE,EQPT,SYNC	IITL# 31101
	PDS: GRTH,SYNC,TLI,TYPE MML: CRTE,EQPT,SYNC,TLI	IITL# 31111
	PDS: GRTH,SYNC,TLI,TYPE,SSP,SRC MML: CRTE,EQPT,SYNC,TLI,SSP,SRC	IITL# 31121
	PDS: RMV,SYNC MML: RMV,EQPT,SYNC	IITL# 33101
	PDS: RMV,SYNC,TLI,CRO MML: RMV,EQPT,TLI,CRO	IITL# 33111
	PDS: RMV,SYNC,TLI,SSP MML: RMV,EQPT,SYNC,TLI,SSP	IITL# 33121
	PDS: RST,SYNC MML: RST,EQPT,SYNC	IITL# 34101
	PDS: RST,SYNC,TLI,CRO MML: RST,EQPT,TLI,CRO	IITL# 34111
	PDS: RST,SYNC,TLI,SSP MML: RST,EQPT,SYNC,TLI,SSP	IITL# 34121
Main Cross-Connect Window	PDS: UTL,QRY,CMAP MML: RTRV,CRS,T1,MAP	IITL# 52011

DACS II Commands (Continued)

Two-Point Cross-Connect Window

PDS: OCON,FROM,TO,MPM,CUS,INCL,RDC MML: CONN,CRS1,T0,RDLD,CUS,INCL,NORM,TERM	IITL# 11121
PDS: OCON,FROM,TO,RDC,CUS,INCL,PRIOUT MML: CONN,CRS1,T0,RDLD,CUS,INCL,NORM,TERM	IITL# 11101
PDS: OCON,FROM,TO,RDC,CUS,INCL,PRIOUT MML: CONN,CRS1,T1,RDLD,CUS,INCL,NORM,TERM	IITL# 11131
PDS: ODIS,FROM,TO,INCL,OOS,DCC MML: DISC,CRS1,T0,INCL,OOS,DCC	IITL# 15102
PDS: ODIS,FROM,TO,INCL,OOS,DCC,PRIOUT MML: DISC,CRS1,T0,INCL,OOS,DCC	IITL# 15101
PDS: ODIS,FROM,TO,OOS,INCL,PRIOUT MML: DISC,CRS1,T1,INCL,OOS,PRIOUT	IITL# 15111
PDS: TCON,FROM,TO,AIS,CUS,INCL,RDC,PRIOUT MML: CONN,CRS,T0,RDLD,CUS,INCL,NTR,NORM	IITL# 11001
PDS: TCON,FROM,TO,MPM,NTR,RDC,CUS,INCL MML: CONN,CRS,T0,RDLD,CUS,INCL,NTR,NORM	IITL# 11021
PDS: TCON,FROM,TO,RDC,CUS,INCL,PRIOUT MML: CONN,CRS,T1,RDLD,CUS,INCL,NORM,TERM	IITL# 11011
PDS: TDIS,FROM,TO,INCL,OOS,DCC MML: DISC,CRS,T0,INCL,DCC,OOS	IITL# 15002
PDS: TDIS,FROM,TO,INCL,OOS,DCC,PRIOUT MML: DISC,CRS,T0,INCL,DCC,OOS	IITL# 15001
PDS: TDIS,FROM,TO,OOS,INCL,PRIOUT MML: DISC,CRS,T1,INCL,OOS,PRIOUT	IITL# 15011

DACS II Commands (Continued)

Multi-Point Cross-Connect Window	PDS: BCON,FROM,TO,NTR,LPD,CONV,CUS,INCL,RDC MML: CONN,BDCST,T0,RDLD,CUS,INCL,NTR,LPD	IITL# 13002
	PDS: BCON,FROM,TO,RDC,CUS,INCL,NTR,LPD,CONV MML: CONN,BDCST,T1,RDLD,CUS,INCL,NTR,LPD	IITL# 13021
	PDS: BCON,FROM,TOX,NTR,LPD,CONV,CUS,INCL MML: CONN,BDCST,T0,RDLD,CUS,INCL,NTR,LPD	IITL# 13001
	PDS: BCON,FROM,TOX,RDC,CUS,INCL,NTR,LPD MML: CONN,BDCST,T1,RDLD,CUS,INCL,NTR,LPD	IITL# 13011
	PDS: BDIS,FROM,TO,CONV,OOS,DCC,INCL MML: DISC,BDCST,T0,INCL,OOS,DCC,CONV	IITL# 15201
	PDS: BDIS,FROM,TO,OOS,INCL,CONV MML: DISC,BDCST,T1,INCL,OOS,CONV	IITL# 15231
	PDS: BDIS,FROM,TOX,CONV,OOS,DCC,INCL MML: DISC,BDCST,T0,INCL,OOS,DCC,CONV	IITL# 15211
	PDS: BDIS,FROM,TOX,OOS,INCL,CONV MML: DISC,BDCST,T1,INCL,OOS,CONV	IITL# 15221
Main Test Access Window	PDS: GRTH,TG,NPCTG MML:CRTE,EQPT,TG	IITL# 31421
	PDS: GRTH,TP MML: CRTE,EQPT,TP	IITL# 31411
	PDS: UTL,QRY,TGS MML: RTRV,TACC,T0,TG	IITL# 53081
	PDS: UTL,QRY,TPS MML: RTRV,TACC,T1	IITL# 53061

DACS II Commands (Continued)

Test Access Mode Window	PDS: TTST,HUB,TO,TG MML: CONN,HUB,T0,TG	IITL# 24021
	PDS: TTST,HUB,TO,TP MML: CONN,HUB,T0	IITL# 24001
	PDS: TTST,LPD,TG MML: OPR,LPBK,T0,TG	IITL# 29021
	PDS: TTST,LPD,TP MML: OPR,LPBK,T0	IITL# 29001
	PDS: TTST,MON,TG MML: CHG,TACC,T0,TG,MON	IITL# 21031
	PDS: TTST,MON,TO,TG MML: CONN,TACC,T0,TG,MON	IITL# 21021
	PDS: TTST,MON,TO,TP MML: CONN,TACC,T0,MON	IITL# 21001
	PDS: TTST,RT,DGA,DGB,DGC,DGD,DGP,LLB,TO MML: INH,LPBK,T1,DGA,DGB,DGC,DGD,DGP,LLB,TO	IITL# 26101 IITL# 26111
	PDS: TTST,SPL,TG MML: CHG,TACC,T0,TG,SPLT,NOYLW	IITL# 23021
	PDS: TTST,SPL,TP MML: CHG,TACC,T0,SPLT	IITL# 23001
	PDS: TTST,TGR,TG,OOS MML: DISC,TACC,T0,TG,OOS	IITL# 27021
	PDS: TTST,TLA,NOT,TP MML: CHG,TL,T0,TERM,F,T,B,L,G,A,NOT	IITL# 25101
	PDS: TTST,TLA,TG MML: CHG,TL,T0,TG,TERM,F,T,B	IITL# 25121
	PDS: TTST,TLR,NOT,TP MML: DISC,TACC,T0,RLS,F,T,B,L,G,A,NOT	IITL# 25501
	PDS: TTST,TLR,TG MML: DISC,TACC,T0,TG,RLS,F,T,B	IITL# 25521

DACS II Commands (Continued)

Test Access Mode Window (Continued)	PDS: TTST,TPR,ALL,OOS MML: DISC,TACC,T0,ALL,OOS	IITL# 27002
	PDS: TTST,TPR,TP,OOS MML: DISC,TACC,T0,OOS,FRC	IITL# 27001
Test Access FAD Window	PDS: CTST,FAD,AIS,INCL MML: CHG,ACCMD,T1,AIS,INCL	IITL# 20101
	PDS: CTST,FAD,EMODE,FMODE,INCL MML: CHG,TACC,T1,INCL	IITL# 20111
	PDS: CTST,FAD,FROM,TO,AIS,INCL MML: CONN,TACC,T1,AIS,INCL	IITL# 20001
	PDS: CTST,HUB,FAD,TO,INCL MML: CONN,HUB,T1,INCL	IITL# 20031
	PDS: CTST,LPBKT,FAD,INCL MML: OPR,LPBK,T1,LPBKT,INCL	IITL# 20301
	PDS: CTST,TNR,ALL,OOS MML: DISC,TACC,T1,ALL,OOS	IITL# 20202
	PDS: CTST,TNR,FAD,OOS MML: DISC,TACC,T1,OOS	IITL# 20201

DACS II Commands (Continued)

Performance Monitoring Window	PDS: CHG,SETOP,TYPE,ALL,NPCOP MML: ED,OPT,T1,NPC,TYPE,ALL	IITL# 38201
	PDS: OPR,LPBK,NPC,LOCN MML: OPR,LPBK,T1,E1	IITL# 26141
	PDS: OPR,TSIG,NPC MML: OPR,TSIG,T1	IITL# 28101
	PDS: RLS,LPBK,NPC,LOCN MML: RLS,LPBK,T1,E1	IITL# 26151
	PDS: RLS,TSIG,NPC MML: RLS,TSIG,T1	IITL# 28201
	PDS: UTL,CLR,NPC,ALL,AI,LOCN,MONDAT,MONTIM MML: INIT,REG,T1,NPC,ALL	IITL# 56071
	PDS: UTL,QRY,LPBK,NPC MML: RTRV,STATE,EQPT,NPC,LPBK	IITL# 53131
	PDS: UTL,QRY,NPC,ALL,AI,LV,LOCN,MONDAT MML: RTRV,PM,T1,NPC,ALL	IITL# 56091
	PDS: UTL,QRY,OPT,TYPE,ALL,NPCS MML: RTRV,OPT,T1,NPC,ALL	IITL# 53051
	PDS: UTL,QRY,PMSCHED,NPC,ALL MML: RTRV,PMSCHED,T1,NPC,ALL	IITL# 51151
	PDS: UTL,QRY,TOD,CFA MML: RTRV,PMREPT,SCHED,CFA,MONDAT	IITL# 51071
	PDS: UTL,SCHED,PMREPT,NPC,RI,ST,NI,LV,LOCN MML: SCHED,PMREPT,T1,NPC	IITL# 51141
	PDS: UTL,TOD,CFA,FAC,X,PRIM,MONDAT MML: SCHED,PMREPT,ALL,CFA,FAC,X,PRIM,MONDAT	IITL# 51011

DACS II Commands (Continued)

Administration Window	PDS: ADD,LINK,K,T1,T3,N2,A,B MML: ED,PRMTR,LINK,K,T1,T3,N2,A,B	IITL# 36003
	PDS: ADD,LINK,PTCOL,S,X,T,M,BAUD,ALM,BS,ENQ MML: ED,PRMTR,LINK,PTCOL,S,X,T,M,BAUD,ALM	IITL# 36001
	PDS: ADD,LINK,W,P,T20,T22,T23,T25,T26,R20 MML: ED,PRMTR,LINK,W,P,T20,T22,T23,T25,T26	IITL# 36005
	PDS: ADD,USER,LINK,INCL,ALL,LANG,M,P,F MML: SET,PRVG,USER,TERM,ALL,INCL,LANG,P,M,F	IITL# 36103
	PDS: ADD,USER,NEW,PASSWD MML: CRTE,LGN,NEW	IITL# 36101
	PDS: CHG,USER,LINK,INCL,SCR,GR,MCON,MCOFF MML: SET,PRVG,TERM,USER,INCL,SCR,GR,MCON	IITL# 38401
	PDS: DLT,USER MML: DLT,LGN	IITL# 37101
	PDS: LOGIN,USER,PASSWD MML: LGN,USER	IITL# 39001
	PDS: LOGOFF,USER,LINK,INCL MML: LGT,TERM,USER,INCL	IITL# 39101
	PDS: RMV,LINK MML: RMV,EQPT,LINK	IITL# 33011
	PDS: RST,LINK MML: RST,EQPT,LINK	IITL# 34011
	PDS: UTL,QRY,SCR,LINK,USER,LINKS,USERS MML: RTRV,PRVG,TERM,USER,ALL	IITL# 54001
	PDS: UTL,QRY,STR,LINK MML: RTRV,PRMTR,LINK	IITL# 55113
	PDS: ADD,LINK,APPL,ASCS,ASCD,PM,L2AD,POLL MML: ED,PRMTR,LINK,APPL,ASCS,ASCD,PM,L2AD	IITL# 36007

DACS II Commands (Continued)

Frame Time/Date Window	PDS: UTL,TOD MML: SCHED,PMREPT,ALL,CFA,FAC,X,PRIM,MONDAT	IITL# 51011
	PDS: UTL,DATE,FORMAT,INT MML: ED,DATE,INT	IITL# 51021
	PDS: UTL,QRY,DATE MML: RTRV,HDR	IITL# 51031
Main Window	PDS: ABT MML: ABT,CMD	IITL# 55711
	PDS: LOGIN,USER,PASSWD MML: LGN,USER	IITL# 39001
	PDS: LOGOFF,USER,LINK,INCL MML: LGT,TERM,USER,INCL	IITL# 39101

DACS II ISX Commands

Main Provisioning Window	PDS: UTL::QRY,ALL MML: RTRV,STATE,EQPT,AL	IITL# 53101
	PDS: UTL::QRY,ALMS MML: RTRV,ALM,EQPT	IITL# 53111
	PDS: UTL::QRY,EQD MML: RTRV,STATE,EQPT,EQPD	IITL# 53108
	PDS: UTL::QRY,NPM MML: RTRV,STATE,EQPT,NPM	IITL# 53071
NPM Provisioning/ NPC Window	PDS: DGRTH::NPM MML: DISC,EQPT,NPM	IITL# 32321
	PDS: GRTH::NPM MML: CRTE,EQPT,NPM,EQL,IMP	IITL# 31321
	PDS: UTL::QRY,ALL MML: RTRV,STATE,COM,ALL	IITL# 53101
	PDS: UTL::QRY,ALMS MML: RTRV,ALM,EQPT	IITL# 53111
	PDS: UTL::QRY,EQD,NPCS MML: RTRV,STATE,EQPT,NPC,EQPD,TOTAL	IITL# 53041
NPC Provisioning Window	PDS: DGRTH::NPC MML: DISC,EQPT,NPC	IITL# 32341
	PDS: DGRTH::NPC,NPCTG MML: DISC,EQPT,NPC,NPCTG,TGR	IITL# 32401
	PDS: DGRTH::NPC,NPCTP MML: DISC,EQPT,NPC,NPCTP,TPR	IITL# 32381
	PDS: GRTH::NPC,NPCTG MML: CRTE,EQPT,NPC,NPCTG	IITL# 31401
	PDS: GRTH::NPC,NPCTP MML: CRTE,EQPT,NPC,NPCTP	IITL# 31381

DACS II ISX Commands (Continued)

NPC Provisioning Window (Continued)	PDS: GRTH::NPC,TYPE - E1 MML: CRTE,EQPT,NPC,IW,AIS,MI,PMA,DMA,PMC	IITL# 31363
	PDS: GRTH::NPC,TYPE - T1 MML: CRTE,EQPT,NPC,IW,INCL,AIS,INFO,MJ,MN	IITL# 31341
	PDS: RMV::NPC MML: RMV,EQPT,NPC,INCL	IITL# 33351
	PDS: RST::NPC MML: RST,EQPT,NPC	IITL# 34351
	PDS: UTL::QRY,ALMOPT,NPC MML: RTRV,PRMTR,EQPT,NPC,ALMOPT,AIS	IITL# 56021
	PDS: UTL::QRY,ALMS MML: RTRV,ALM,EQPT	IITL# 53111
	PDS: UTL::QRY,LPBK,NPC MML: RTRV,STATE,EQPT,NPC,LPBK	IITL# 53131
	PDS: UTL::QRY,NPCTG MML: RTRV,TACC,T0,NPCTG	IITL# 53091
	PDS: UTL::QRY,STATE,NPC MML: RTRV,STATE,EQPT,NPC	IITL# 56314
	PDS: UTL::QRY,TPS MML: RTRV,TACC,T1	IITL# 53061
Provision MC/SXC Window	PDS: RMV::MC MML: RMV,EQPT,MC	IITL# 33001
	PDS: RMV::SXC MML: RMV,EQPT,SXC	IITL# 33101
	PDS: RST::MC MML: RST,EQPT,MC,MCOND	IITL# 34001
	PDS: RST::SXC MML: RST,EQPT,SXC	IITL# 34101

DACS II ISX Commands (Continued)

Provision TREF/ TLI Window	PDS: DGRTH::SYNC,TLI MML: DISC,EQPT,SYNC,TLI	IITL# 32131
	PDS: DGRTH::TREF MML: DISC,EQPT,TREF	IITL# 32121
	PDS: GRTH::SYNC,TLI,IMP MML: CRTE,EQPT,SYNC,TLI,IMP	IITL# 31111
	PDS: GRTH::SYNC,TLI,SSP,TREF MML: CRTE,EQPT,SYNC,TLI,SSP,TREF	IITL# 31131
	PDS: GRTH::TREF MML: CRTE,EQPT,TREF,NPC	IITL# 31121
	PDS: RMV::TLI MML: RMV,EQPT,TLI	IITL# 33131
	PDS: RMV::TREF MML: RMV,EQPT,TREF	IITL# 33121
	PDS: RST::TLI MML: RST,EQPT,TLI	IITL# 34131
	PDS: RST::TREF MML: RST,EQPT,TREF	IITL# 34121

DACS II ISX Commands (Continued)

Main Cross-Connect Window	PDS: UTL::QRY,CMAP MML: RTRV,CRS,T1,MAP	IITL# 52011
Two-Point Cross-Connect Window	PDS: OCON::FROM,TO - Unchannelized MML: CONN,CRS1,T1,RDLD,NORM,TERM	IITL# 11131
	PDS: OCON::FROM,TO - Channelized MML: CONN,CRS1,T0,RDLD,NORM,TERM,NAM	IITL# 11101
	PDS: ODIS::FROM,TO - Unchannelized MML: DISC,CRS1,T1,OOS	IITL# 15111
	PDS: ODIS::FROM,TO - Channelized MML: DISC,CRS1,T0,INCL,OOS,DCC	IITL# 15101
	PDS: TCON::FROM,TO - Unchannelized MML: CONN,CRS,T1,RDLD,AIS,NORM,TERM	IITL# 11011
	PDS: TCON::FROM,TO - Channelized MML: CONN,CRS,T0,RDLD,AIS,NORM,TERM,NAM	IITL# 11001
	PDS: TCON::FROM,TO,PFW,NFW - TS0 MML: CONN,CRS,T0,PFW,NFW,NORM,TERM	IITL# 11051
	PDS: TDIS::FROM,TO - Unchannelized MML: DISC,CRS,T1,INCL,OOS	IITL# 15011
	PDS: TDIS::FROM,TO - Channelized MML: DISC,CRS,T0,INCL,OOS,DCC	IITL# 15001

DACS II ISX Commands (Continued)

Multi-Point Cross-Connect Window	PDS: BCON::FROM,TOX - Channelized MML: CONN,BDCST,T0,RDLD,NTR,LPD,CONV,NORM	IITL# 13001
	PDS: BCON::FROM,TO - Channelized MML: CONN,BDCST,T0,RDLD,NTR,LPD,CONV,NORM	IITL# 13002
	PDS: BCON::FROM,TOX - Unchannelized MML: CONN,BDCST,T1,RDLD,NTR,LPD,CONV	IITL# 13011
	PDS: BCON::FROM,TO - Unchannelized MML: CONN,BDCST,T1,RDLD,NTR,LPD,CONV	IITL# 13021
	PDS: BDIS::FROM,TO - Unchannelized MML: DISC,BDCST,T1,INCL,OOS,CONV	IITL# 15231
	PDS: BDIS::FROM,TO - Channelized MML: DISC,BDCST,T0,INCL,OOS,DCC,CONV	IITL# 15201
	PDS: BDIS::FROM,TOX - Unchannelized MML: DISC,BDCST,T1,INCL,OOS,CONV	IITL# 15221
	PDS: BDIS::FROM,TOX - Channelized MML: DISC,BDCST,T0,INCL,OOS,DCC,CONV	IITL# 15211
	PDS: CHG::FROM,TO - Unchannelized MML: ED,PRMTR,T1,INCL	IITL# 17011
	PDS: CHG::FROM,TO - Channelized MML: ED,PRMTR,T0,INCL	IITL# 17001
DSP Cross-Connect Window	PDS: DSPC - DSP Platform Application Commands MML: EXC,DSPC,ALM,REPT,TS	IITL# 14901
Main Test Access Window	PDS: DGRTH::TG MML: DISC,EQPT,TG	IITL# 32421
	PDS: DGRTH::TP MML: DISC,EQPT,TP	IITL# 32411
	PDS: GRTH::TG,NPCTG MML: CRTE,EQPT,TG	IITL# 31421

DACS II ISX Commands (Continued)

Main Test Access Window (Continued)	PDS: GRTH::TP MML: CRTE,EQPT,TP	IITL# 31411
	PDS: UTL::QRY,TPS MML: RTRV,TACC,T1	IITL# 53061
Test Access Mode Window	PDS: TTST::HUB,TO,TG MML: CONN,HUB,T0,TG	IITL# 24021
	PDS: TTST::HUB,TO,TP,NAM MML: CONN,HUB,T0,NAM	IITL# 24001
	PDS: TTST::LPD,TG MML: OPR,LPBK,T0,TG	IITL# 29021
	PDS: TTST::LPD,TP MML: OPR,LPBK,T0	IITL# 29001
	PDS: TTST::MON,TG MML: CHG,TACC,T0,TG,MON	IITL# 21031
	PDS: TTST::MON,TO,TG MML: CONN,TACC,T0,TG,MON	IITL# 21021
	PDS: TTST::MON,TO,TP,NAM MML: CONN,TACC,T0,MON,NAM	IITL# 21001
	PDS: TTST::SPL,TG MML: CHG,TACC,T0,TG,SPLT	IITL# 23021
	PDS: TTST::SPL,TP MML: CHG,TACC,T0,SPLT	IITL# 23001
	PDS: TTST::TGR,TG,OOS MML: DISC,TACC,T0,TG,OOS	IITL# 27021
	PDS: TTST::TLA,TG MML: CHG,TL,T0,TG,TERM,F,T,B	IITL# 25121
	PDS: TTST::TLA,TP MML: CHG,TL,T0	IITL# 25101

DACS II ISX Commands (Continued)

Test Access Mode Window (Continued)	PDS: TTST::TLR,TG MML: DISC,TACC,T0,TG,RLS,F,T,B	IITL# 25521
	PDS: TTST::TLR ,TP MML: DISC,TACC,T0	IITL# 25501
	PDS: TTST::TPR,ALL,OOS MML: DISC,TACC,T0,ALL,OOS	IITL# 27002
	PDS: TTST::TPR,TP,OOS MML: DISC,TACC,T0,OOS	IITL# 27001
Test Access FAD Window	PDS: CTST::FAD,AIS,INCL MML: CHG,ACCMD,T1,AIS,INCL	IITL# 20101
	PDS: CTST::FAD,EMODE,FMODE,INCL MML: CHG,TACC,T1,INCL	IITL# 20111
	PDS: CTST::FAD,FROM,TO,AIS,INCL MML: CONN,TACC,T1,AIS,INCL	IITL# 20001
	PDS: CTST::HUB,FAD,TO,INCL MML: CONN,HUB,T1,INCL	IITL# 20031
	PDS: CTST::LPBKT,FAD,INCL MML: OPR,LPBK,T1,LPBKT,INCL	IITL# 20301
	PDS: CTST::TNR,ALL,OOS MML: DISC,TACC,T1,ALL,OOS	IITL# 20202
	PDS: CTST::TNR,FAD,OOS MML: DISC,TACC,T1,OOS	IITL# 20201
Performance Monitoring Window	PDS: CHG,SETOP,TYPE,ALL,NPCOP MML: ED,OPT,T1,NPC,TYPE,ALL	IITL# 38201
	PDS: OPR,LPBK,NPC,LOCN MML: OPR,LPBK,T1	IITL# 26141
	PDS: OPR,TSIG,NPC MML: OPR,TSIG,T1	IITL# 28101

DACS II ISX Commands (Continued)

Performance Monitoring Window (Continued)	PDS: RLS,LPBK,NPC,LOCN MML: RLS,LPBK,T1	IITL# 26151
	PDS: RLS,TSIG,NPC MML: RLS,TSIG,T1	IITL# 28201
	PDS: UTL,CLR,NPC,ALL,AI,LOCN,MONDAT,MONTIM MML: INIT,REG,T1,NPC,ALL	IITL# 56071
	PDS: UTL,QRY,LPBK,NPC MML: RTRV,STATE,EQPT,NPC,LPBK	IITL# 53131
	PDS: UTL,QRY,NPC,ALL,AI,LV,LOCN,MONDAT MML: RTRV,PM,T1,NPC,ALL	IITL# 56091
	PDS: UTL,QRY,OPT,TYPE,ALL,NPCS MML: RTRV,OPT,T1,NPC,ALL	IITL# 53051
	PDS: UTL,QRY,PMSCHED,NPC,ALL MML: RTRV,PMSCHED,T1,NPC,ALL	IITL# 51151
	PDS: UTL,QRY,TOD,CFA MML: RTRV,PMREPT,SCHED,CFA,MONDAT	IITL# 51071
	PDS: UTL,SCHED,PMREPT,NPC,RI,ST,NI,LV,LOCN MML: SCHED,PMREPT,T1,NPC	IITL# 51141
	PDS: UTL,TOD,CFA,FAC,X,PRIM,MONDAT MML: SCHED,PMREPT,ALL,CFA,FAC,PRIM,MONDAT	IITL# 51011
Administration Window	PDS: ADD,LINK,K,T1,T3,N2,A,B MML: ED,PRMTR,LINK,K,T1,T3,N2,FRMAD	IITL# 36003
	PDS: ADD,LINK,PTCOL,S,X,T,M,BAUD,ALM,BS,ENQ MML: ED,PRMTR,LINK,PTCOL,S,BAUD,ALM,BS,ENQ	IITL# 36001
	PDS: ADD,LINK,W,P,T20,T22,T23,T25,T26,R20 MML: ED,PRMTR,LINK,W,P,T20,T22,T23,T25,T26	IITL# 36005
	PDS: ADD,USER,LINK,INCL,ALL,LANG,M,P,F MML: SET,PRVG,USER,LANG,LEV,RMON,RMOFF,RLK	IITL# 36103

DACS II ISX Commands (Continued)

Administration Window (Continued)	PDS: ADD,USER,NEW,PASSWD MML: CRTE,LGN,NEW	IITL# 36101
	PDS: CHG,USER,LINK,INCL,SCR,GR,MCON,MCOFF MML: SET,PRVG,USER,SCR,GR,INIT,TERM,INCL	IITL# 38401
	PDS: DLT,USER MML: DLT,LGN	IITL# 37101
	PDS: LOGIN,USER,PASSWD MML: LGN,USER	IITL# 39001
	PDS: LOGOFF,USER,LINK,INCL MML: LGT,USER,TERM,INCL	IITL# 39101
	PDS: RMV,LINK MML: RMV,EQPT,LINK	IITL# 33011
	PDS: RST,LINK MML: RST,EQPT,LINK	IITL# 34011
	PDS: UTL,QRY,SCR,LINK,USER,LINKS,USERS MML: RTRV,PRVG,TERM,ALL,USER	IITL# 54001
	PDS: UTL,QRY,STR,LINK MML: RTRV,PRMTR,LINK	IITL# 55113
Frame Time/Date Window	PDS: UTL,TOD MML: SCHED,PMREPT,ALL,CFA,FAC,PRIM,MONDAT	IITL# 51011
	PDS: UTL,DATE,FORMAT,INT MML: ED,DATE,INT	IITL# 51021
	PDS: UTL,QRY,DATE MML: RTRV,HDR	IITL# 51031
Main Window	PDS: ABT! MML: ABT,CMD	IITL# 55711

Index

P

Q

R

S

T

U

W