Tadiran Telecom
Business Systems Ltd.

CoralVIEW Designer (CVD)

User Manual

(Version 2.5.0)

CoraliPx

Coral FlexiCom

The flexible way to communicate

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1. Introduction

Overview

The **CoralVIEW Designer (CVD)** is a Windows-based configuration and database management system of the **Coral FlexiCom**. The CVD offers a friendly graphical user interface, which eases and speeds up the process of programming and maintaining the Coral database.

This is accomplished using the CVD comprehensive set of forms that graphically present all the information needed for initial configuration and ongoing maintenance of the Coral system.

A set of wizards automates frequently used tasks. These wizards are highly useful for novice users as well as for experienced technicians by streamlining complex processes and ensuring that all the necessary information is entered.

Various reports covering all aspects of the CVD operation can be generated to improve productivity.

About this Manual

The *CVD User Manual* is targeted towards the distributor's service engineers, and describes how to install, initiate, and operate the CVD management system.

This manual covers the operation of the CVD application in terms of user interface and general procedures. The complete Program Interface (PI) of the Coral FlexiCom is outside the scope of this manual.

This manual complies with CVD version 2.5.

Conventions Used in this Manual

Before you start the installation, it is important to understand the symbols and typographical conventions used in this manual. These conventions and symbols indicate information that requires special attention.

CAUTION: Be aware of risk of damage to the CVD system or its database.

NOTE: Indicates important information.

Typographical Conventions

The following typographical conventions have been used throughout this manual.

Menu Options	Menu options are displayed in capitalized letters. The > sign denotes a new menu option. For example: *Station > Station Definition > DKT*
Fields	Fields are displayed in **Bold Arial** typeface.
Buttons	Command buttons are displayed in **Bold Arial** typeface.

Disclaimer

The illustrations and other views, telephone displays or screen captures appearing in this manual are examples used to explain more clearly, how the features and controls are used. Therefore, what appears on the display or screen capture in the illustrations may differ from what appears on the actual equipment, and some of the illustrations may represent something impossible in actual operation. The function that can be used and the information that can be displayed will differ depending on the telephony-state and external equipment being connected. The names of companies, products, people, characters, and/or data mentioned herein are fictitious and are in no way intended to represent any real individual company, product, or event, unless otherwise noted.

Related Documentation

Refer to the following documentation, as required, during the installation procedure.

Program Interface Reference Manual, CN# 7244-7180708 Ver. 10.38 and later.

Minimum System Requirements

Before proceeding with the CVD installation, check the following lists to ensure that all the minimum prerequisites of a successful installation are present.

Software

- Coral FlexiCom version 11.xx
- Windows NT 4.0 with Service Pack 4 and higher or Windows 2000 (If Custom installation is selected, make sure to install the HyperTerminal option.)
- Internet Explorer 4.0 or higher
- Microsoft Word 97 or higher

Hardware

- Pentium II 200 MHz
- 64 MB RAM
- 250 MB free hard disk space
- CD ROM drive
- 15” Color Monitor SVGA (17” recommended)
- 2 MB graphic adapter supporting 800x600 resolution
- Free serial COM port
- Lock Device (HASP)

2. System Setup

Overview

Setting up the CVD system divides into three steps:

Once the ODB-API and CVD software are both installed, restart the computer.

Packing List

The CVD kit contains the following items:

- Installation CD containing the CVD software
- Lock Device (HASP)
- CVD User Manual

ODB-API Software Installation

Log on to the computer using an account with local administrator permissions.

To install the ODB-API software, place the installation CD in the CD drive of the computer. The following splash window appears.

We recommend closing all other applications that may be running in the background.

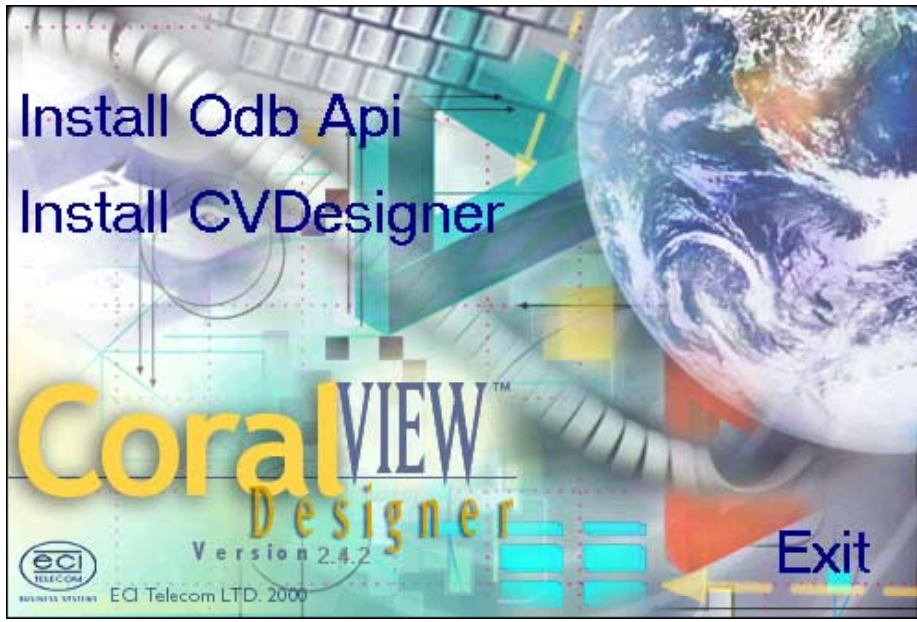


Figure 1. CVD Splash Window

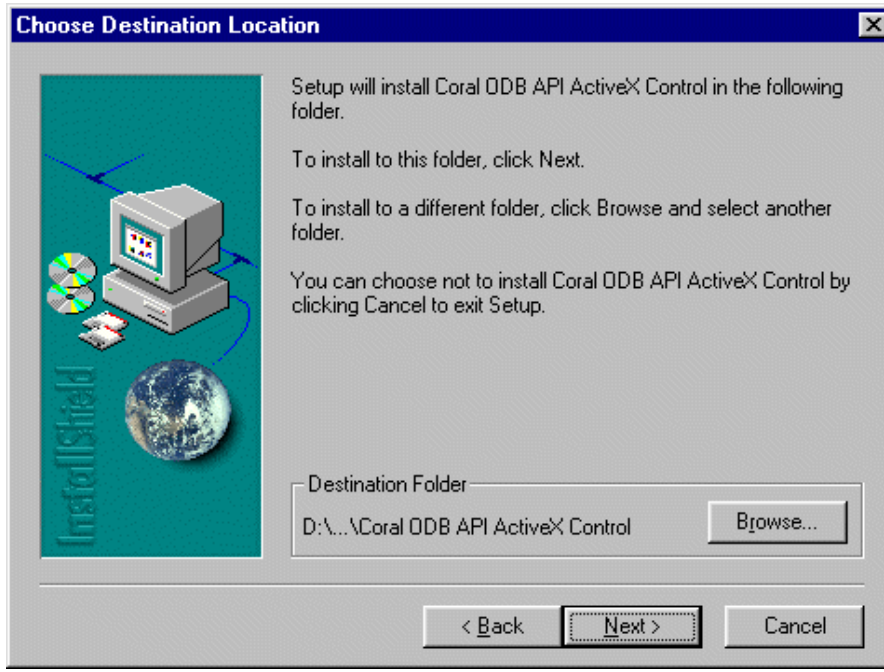
1. Click **Install ODB-API** and follow the instructions provided by the Setup wizard.

   Click **Exit** to close the Setup wizard.

2. Click the Install ODB option to launch the installation wizard; the Welcome window appears.

Figure 2. ODB-API Setup, Welcome Window

3. Read the information presented in this window and click **Next** to proceed or **Cancel** to exit.

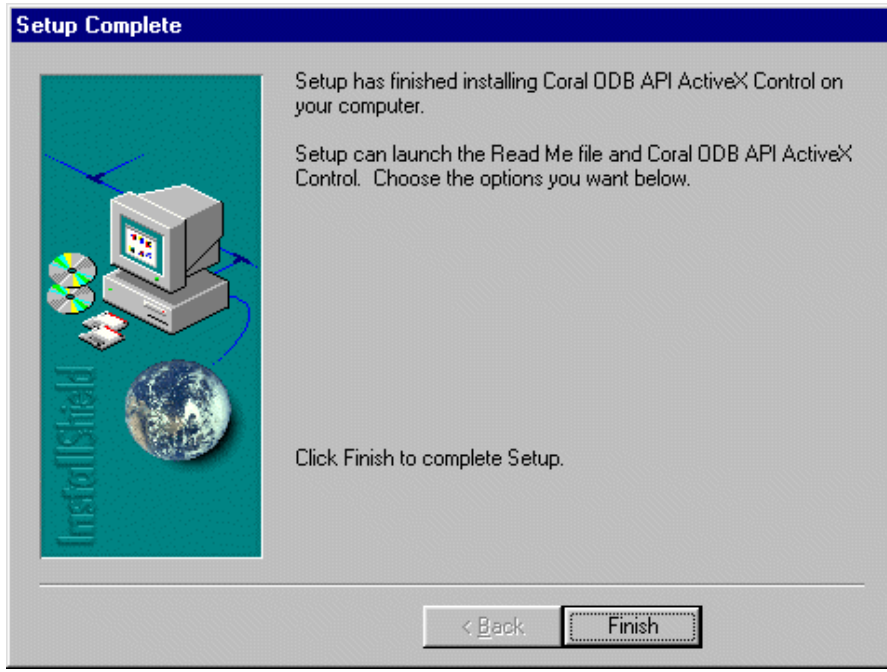


ODB-API Setup, Destination Window

4. In the Destination Location window, click **Next** to proceed with the installation or click the **Browse** button to select a different folder for the installation.

   The Setup wizard starts copying files into the specified directory. Allow the wizard a few minutes to finish copying files. At any point in the procedure, click **Cancel** to stop the installation.

   The Setup Complete window appears when copying files is finished.



ODB-API Setup, Setup Complete Window

5. Click **Finish** to complete the ODB-API software installation.

   After the PC restarts, continue with the CVD software installation in the following section.

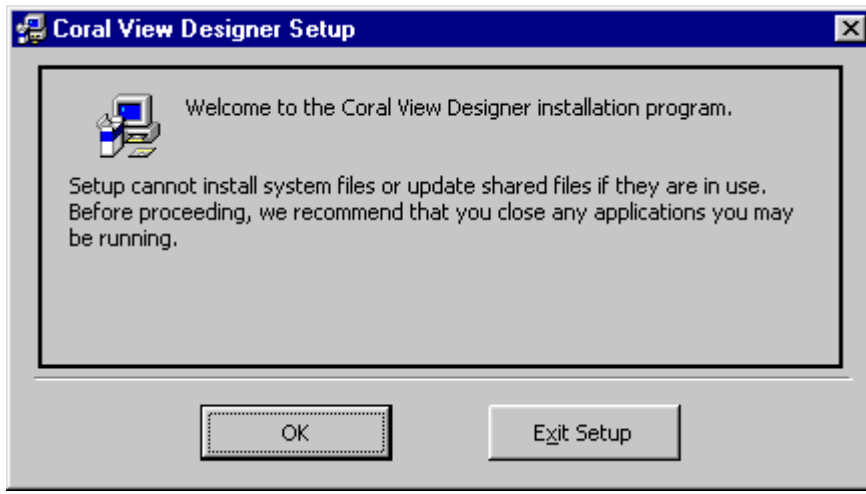
CVD Software Installation

After you have installed the ODB-API software, log on to the computer.

1. In the CVD Splash window (Page 2-2), click Install CVD.

   A message box appears indicating that files are being copied.

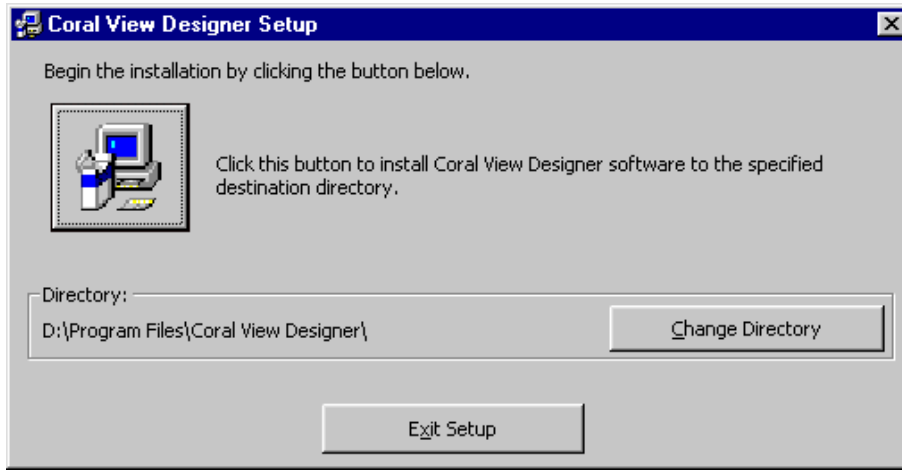
   After the required files have been copied, the Setup Welcome window appears.



CVD Setup, Welcome Window

2. Close any applications that might be running and click **OK** to proceed with the setup or click **Exit Setup** to exit.

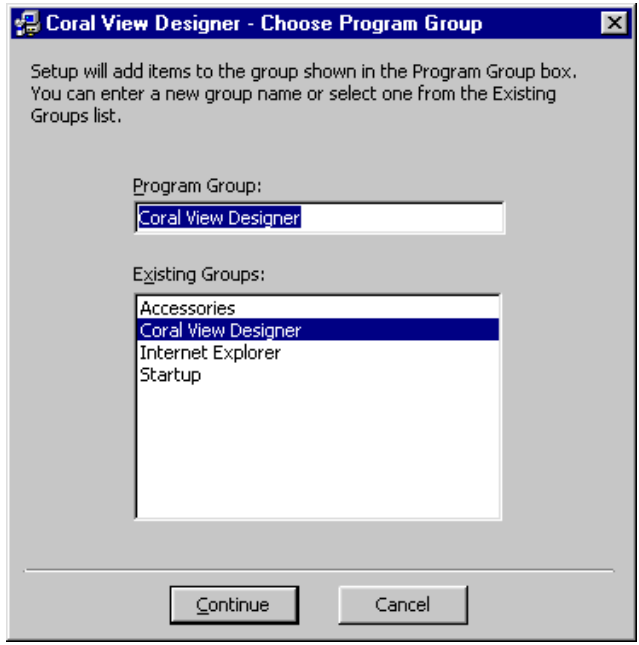
   The destination window appears.



CVD Setup, Destination Window

3. Click the  button to install the software into the default directory.

   Alternatively, click **Change Directory** to select a different directory.
   The Program Group window appears.



CVD Setup, Program Group Window

4. Click **Continue** to install the application under the default Coral View Designer Group.

   Alternatively, you can select a different group under **Existing Groups**.

   During the installation process, a bar indicates the progress of the installation. Click **Cancel** to stop the installation at any point during this process.

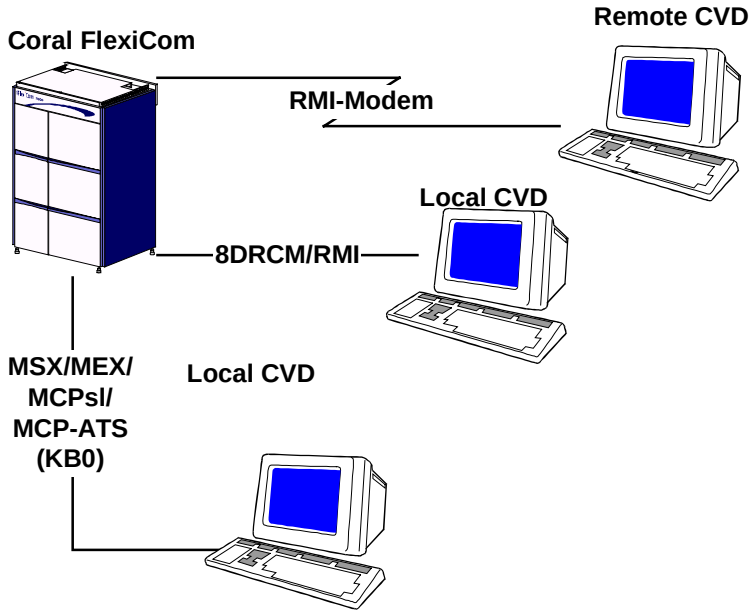
   When the installation completes, a Successful Installation message box appears. You should now reset the computer.

NOTE: If the Setup wizard finds DLL files with newer version than the version to be installed, click **Keep** in the message box that appears.

Connecting the CVD (PC) to Coral FlexiCom

The connection between the CVD computer and the Coral serial port permits database transfer at up to 38.4Kbps via the Coral system.

The CVD PC communicates with the Coral via an RS-232 channel. All the PI channels also function as ODB channels. The user can therefore work with PI and ODB (CVD) channels concurrently. The connection can be done via the following three channels:



CVD Connection

To connect the CVD to Coral FlexiCom:

1. Connect the RS-232 CVD cable to the Coral serial port cable.

   a. Select the correct cabling option (according to the Coral RS-232 type). The options are described in Figure 3, Figure 4 and Figure 5.

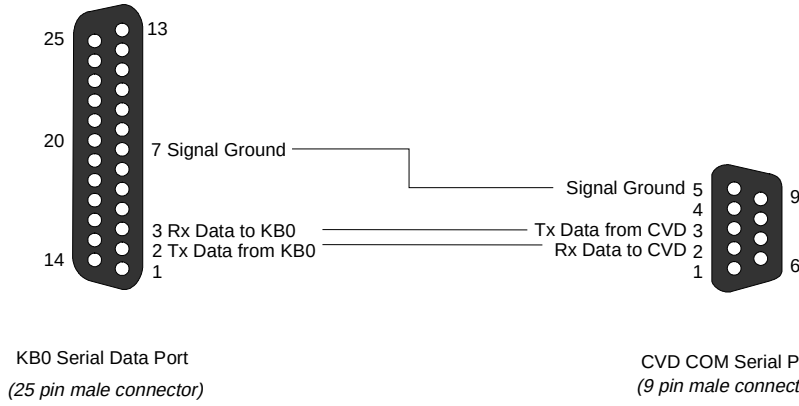


Figure 3. FlexiCom to CVD PC–KB0 port 25-pin male connector

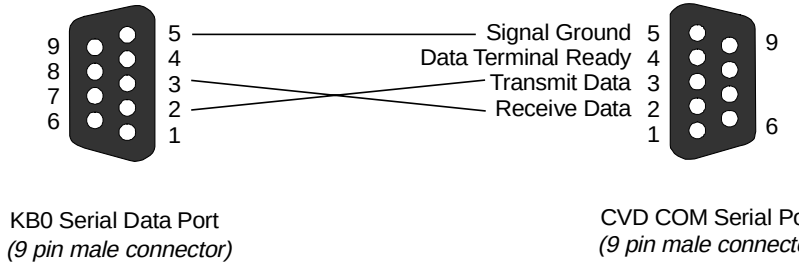


Figure 4. FlexiCom to CVD PC–KB0 Port 9-Pin Connector

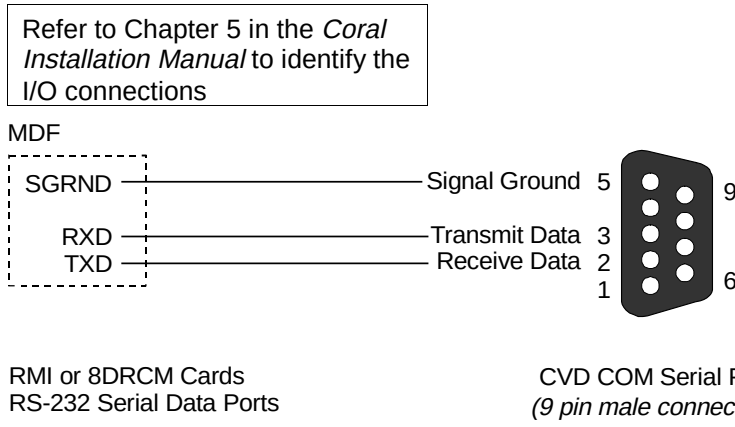


Figure 5. FlexiCom to CVD PC-RMI and 8DRCM Port

b. Run the cable from the Coral's MDF/KB0/KB1 RS-232 serial data port to the COM socket located on the CVD computer.

c. Place the DB-9 plug into the COM socket located on the CVD computer.

2. Connect the other end of the cable to the Coral Serial Port Interface located on the KB0/KB1 socket or RMI/8DRCM Coral Peripheral card through the MDF.

3. Insert the CVD Lock Device (HASP) into the parallel port of the CVD computer.

CAUTION: The earth ground connection to the CVD computer should be the same earth ground connection supplied to the Coral system whenever possible.

4. Write down the serial port number and its physical location for future administration needs and database programming.

   RMI/8DRCM Location: Shelf_____ Slot_____ Port #_____

PI Terminal # (0-3, 5-7)_____

Refer to *Chapter 17* in the *Program Interface Reference Manual* for PI Interface Terminal number.

For more information about RMI or 8DRCM RS-232 Interface pin number and function assignments, see *Chapter 5, External Connections (Peripheral Cards Connections)* of the relevant *Coral Installation Procedure and Hardware Manual*.

For more information about FlexiCom 200 and Coral SL KB1 RS-232E Interface pin number and function assignments, see *Section 9.4, Remote Maintenance and Auxiliary Functions (RMI)* of the *Coral SL (FlexiCom 200 Base Unit) Installation Procedure and Hardware Manual.*

PI Database Settings

Connecting the CVD system to Coral FlexiCom affects the Coral database. The following PI settings must be entered in the Coral prior to operating the CVD.

For more information, see *Coral Program Interface Reference Manual*.

Terminal Setup (Route: TERM, 0)

Terminal Setup is used to define parameters such as baud rate, terminal type and parity.

Set the options as described in Chapter 17 of the *Coral Program Interface Reference Manual*.

Set the RS-232 interface parameters.

3. Getting Started

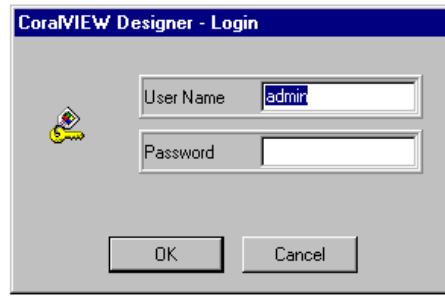
Logging on and the CVD Start Window

1. To log on to the CVD, click Start and then select *Programs* > *CoralVIEW Designer* > *CoralVIEW Designer*.

   Or

   Double-click the desktop shortcut.

   The Login dialog box appears.

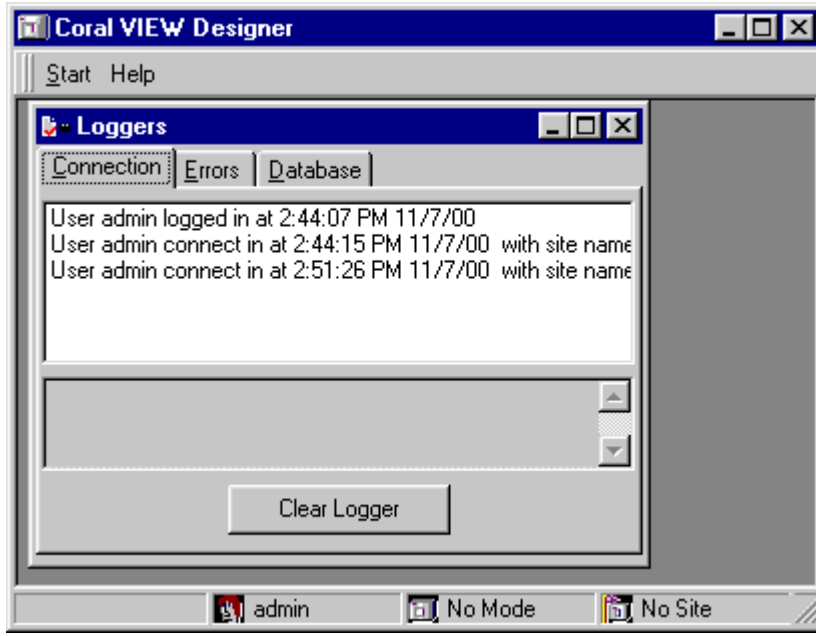


Login Dialog Box

2. On initial log on, use the default user name (Admin) and password (Admin) to log on to the application. The CVD Start window appears.

   The Start window is used to:

   - Connect or disconnect to Coral FlexiCom.
   - Manage and configure sites, users, and user profiles.
   - Open a terminal emulation session.



CVD Start Window

By default, the Start window displays the CVD Loggers window that logs system information in three tabs:

- Connection tab—keeps a record of logged-in users and time and date
- Errors tab—keeps errors that have occurred in the system
- Database tab—keeps a record of get/update database operations

For more information on the Loggers window, see “Viewing CVD Loggers” on page 4-20.

System Administration

CVD administration includes the following:

- Site Definition—defining sites and their connection settings
- User Definition—defining the users of the system
- User Profiles Definition—defining access profiles to users in the system

Site Definition

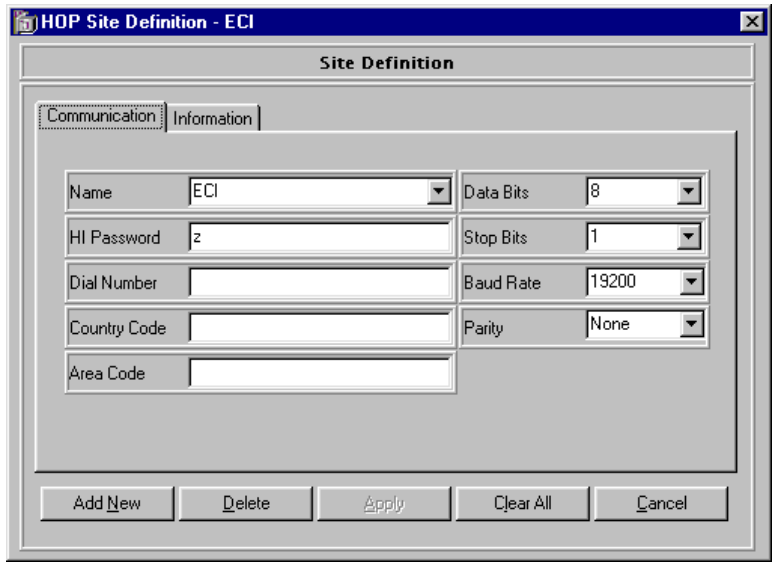
The Site Definition form allows defining sites with different connection settings. This saves the need to change the connection setting every time you want to connect to a different site.

Sites that are no longer used can be deleted or modified to suit changing needs.

To define sites:

1. In the Start window, select *Start > Sites Definition*.

   The Site Definition form appears.



Site Definition Form, Communications Tab

The Site Definition form includes two tabs configured separately.

- Communications tab—used to enter essential information required by the Coral FlexiCom.
- Information tab—used to enter other information regarding the site.

2. Enter the necessary information, as detailed in the following sections.

3. Click **Add New**

   The fields are cleared and you can enter the necessary information for the new site.

4. In the **Name** box, type in the name of the site.

5. Enter the Coral password in the **HI Password** box.

   You can enter any of the four Coral password levels.

6. Enter values for the other parameters according to the following table.

Field Name	Description	Default/Range
Dial Number	Dial number for the site. Used in modem communication.	Not Available
Country Code	The country code. Used in modem communication.	Not Available
Area Code	The area code. Used in modem communication.	Not Available
Data Bits		Default: 8 Range: 7-8
Stop Bits		Default: 1 Range: 1-2
*Baud Rate		Default: 9600 Range: 1200-115200 bps
Parity		Default: None Range: Even, Odd, None, Mark, Space

* Mandatory field.

7. Click **Apply** to save the changes.

   The system checks the validity of the new site. In case one of the values is not valid, an error message appears and the action is not confirmed.

NOTE: The **Apply** button is not available until you enter values in the mandatory fields (Name, HI Password, Baud Rate).

8. Select the Information sheet, and type in values for the field(s).

9. Click **Apply** to save the changes.

To delete an existing site:

1. Select the site in the Name box.

2. Click **Delete**.

   A warning message appears and the site is erased after the deletion has been confirmed. The Properties sheet displays details of the next site in the database.

To modify an existing site:

1. Type the new value in one of the fields (or more).

   Click **Clear All** to clear information from all the fields.

   Click **Cancel** to close the Properties sheet without applying changes.

2. Click **Apply** to confirm the changes and save the new configuration in the system.

   If one of the mandatory fields is still blank, the **Apply** button appears grayed out (disabled) and changes cannot be confirmed.

User Definition

The User Definition form allows for management of users in the CVD system. This includes adding new users, deleting users, and modifying existing users. Only users with Admin permission can manage other users in the system.

On initial entry to the system, only one user (Admin) is defined. This user can not be deleted.

NOTE: We recommend changing the password of the Admin user for security reasons. Make sure not to lose this password.

To define a new user:

1. In the Start window, select *Start* > *CVD Users Definitions*.

Users Definition Window

2. Click **Add New**.

   All the fields in the window are cleared.

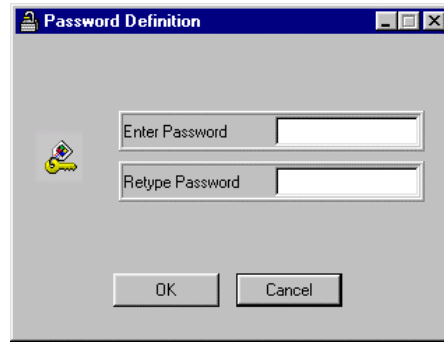
3. Enter parameter values for the new user as detailed in the following table.

Field Name	Description	Range
*UID	User ID. A string of characters	
First Name	User first name	28 alphanumeric char.
Last Name	User last name	28 alphanumeric char.
Phone	User phone number	12 numeric char.
*User Type	Permissions assigned to this user. Depends on the profiles defined in "Profiles Definition" on page 3-10.	

* Mandatory field.

4. Click **Change Password**.

   The Password Definition dialog box appears.



Password Definition Dialog Box

5. Type in the user password in the top field, and re-type it in the bottom field.

   The password may contain a maximum of 24 alphanumeric characters.

6. Click **OK** to close this dialog box and to return to the Users Definition window.

7. Click **Apply** to save the new user in the system database.

   The new user is added to the system. In case one of the values is not valid, an error message appears and the action is not confirmed.

NOTE: The **Apply** button is not available until you enter values in the mandatory fields (UID and User Profile).

To delete a user:

1. In the **UID** box, select the user you want to delete.
2. Click **Delete**.
3. In the warning message that appears, click **OK** to confirm the deletion.

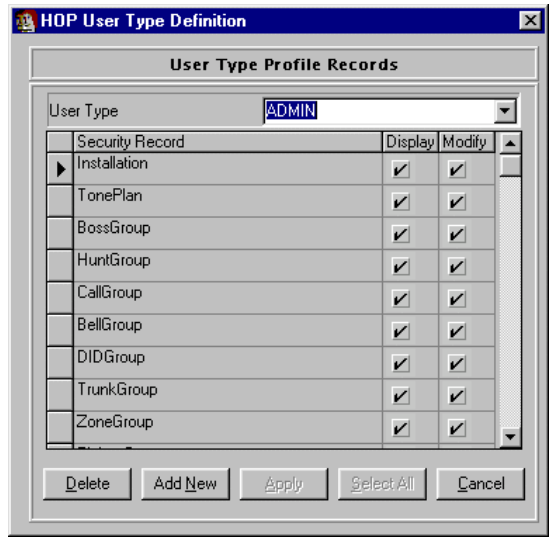
Profiles Definition

The User Type Definition form allows for assignment of access profiles to users. Only users with Admin permissions can manage other user profiles.

By default, the CVD application creates one profile (Admin) upon initial connection to the system. This profile cannot be deleted.

To define a user profile:

1. In the Start window, select *Start > CVD User Type Definition*. The User Profiles window appears.



User Profiles Definition Window

Under the **Security Record** list, all the forms, wizards and reports are displayed.

2. Click **Add New**.

   The User Profile field is cleared.

3. In the User Profile field, type in the name of the new profile.

4. To set the type of access you want to grant to this profile, select a form or wizard and check the boxes in the **Display** or **Modify** columns as follows:

   - Check the boxes in both columns to allow modifying the form.
   - Check only the box in the **Display** column to allow viewing the form only.
   - Uncheck the boxes in both columns to deny access to the form.

   Alternatively, click **Select All** to allow modifying all the forms and wizards.

5. Click **Apply**.

   The new profile is added to the database.

To delete a profile:

1. In the User Profile field, select the profile you want to delete.

2. Click **Delete**, and click **OK** in the warning message that appears.

   You cannot delete the default Admin profile, or any profile that is currently in use.

To modify a profile:

1. In the User Profile field, select the profile you want to edit.

2. Check the Display/Modify columns in the forms you want to edit.

3. Click **Apply** to save the changes.

Connecting to the Coral FlexiCom

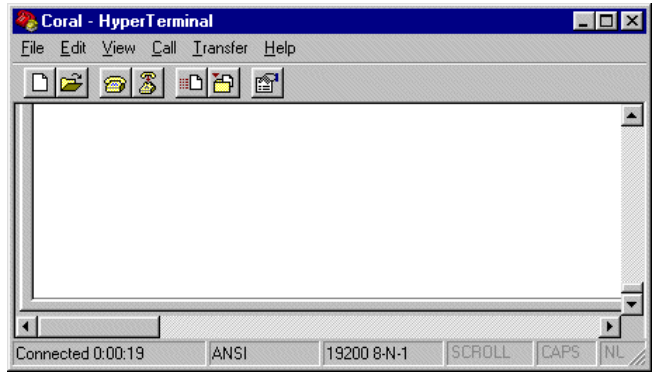
Before Connecting to the Coral

Using a Terminal Emulation session, check the following before initial connection to the Coral FlexiCom:

- Cable connection
- Baud rate
- COM port settings

To open a terminal emulation session:

1. Select *Start* > *Terminal Emulation*. A blank HyperTerminal™ window appears.



HyperTerminal Window

2. To check the cable connection, press **Enter**.

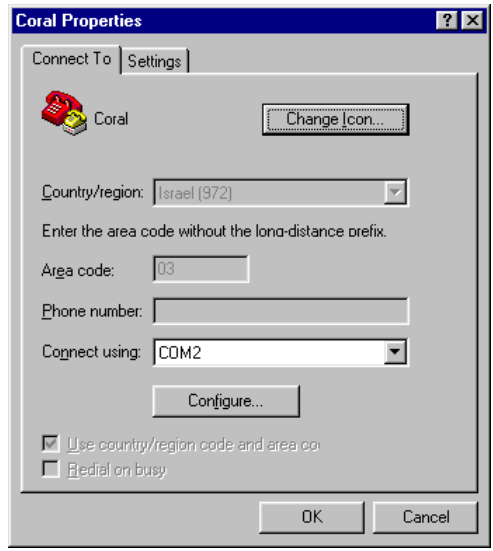
   The PI Configuration menu appears.

   If the Configuration menu does not appear check the following:

- The cable connections between the PC and the Coral are correctly inserted.
- The HyperTerminal uses the same port to which the cable was inserted.
- Baud rate of the HyperTerminal is set to 9600.

3. To check the baud rate, select *File* > *Properties* or click the Properties icon.

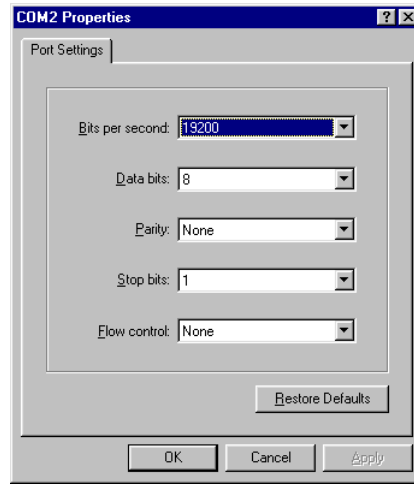
   The PC Terminal Properties sheet appears.



PC Terminal Properties Sheet

4. Click **Configure**.

   The COM# Properties sheet appears.



COM# Properties Sheet

5. Set the parameters in the COM# Properties sheet as follows:

Parameter	Value
Bits per second (baud rate)	9600
Data bits	8
Parity	None
Stop bits	1
Flow control	None

6. Click **OK** to save the change and to close the Property sheets.

7. To start a session with the new settings, click Disconnect  and then reconnect  .

NOTE: Setting the communication parameters on the site definition does not affect the communication parameters for the HyperTerminal and vice versa.

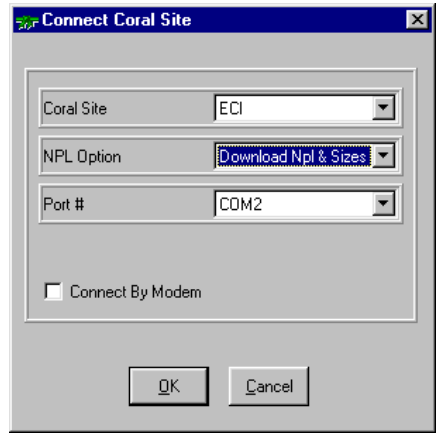
Connecting to Coral

After setting the site definition as described in the previous sections, you are ready to connect to the Coral FlexiCom.

To connect to the Coral:

1. In the Start window, select *Start* > *Connect*.

   The Connect Coral Site window appears.



Connect Coral Site Window

2. In the **Coral Site** list, select the site to which you want to connect.

3. In the **NPL Option** list, select the required option as explained below.

   - For initial connection to the site:

     Select **Download NPL & Sizes**. This option downloads the Coral numbering plan and size definitions to the CVD. The download process takes about 2 minutes (depending on the size of the NPL, the baud rate, and the computer type).

   - For subsequent connections to the site:

Select **Existing NPL**. This option uses the Coral numbering plan and sizes that was last loaded to the PC (per site name). Connecting in this way is much faster and we recommended it whenever you are certain that all changes were made via the CVD.

4. In the PORT# list, select the physical port that connects to the Coral.

   Alternatively, click the **Connect by Modem** checkbox if you use an internal or external modem to connect to the Coral.

   The **COM #** list changes to the **Modem #** list and you can select a modem in the list of available Modems.

5. Click **OK** to start the connection.

   The CVD changes the channel protocol to ODB, and begins transferring system configuration information from the Coral FlexiCom to the PC.

   At the end of this process the CVD main window appears.

   Allow the CVD a few seconds to build its database. The progress bar at the lower left-hand corner of the main window indicates this process.

Changing the Communication Protocol

The CVD connects to the Coral using a unique protocol called ODB (Open DataBase). Enabling this protocol disables the Coral standard ASCII protocol. This means you cannot use terminal emulation concurrently with a CVD session once its started.

To disable the ODB protocol and revert to the standard ASCII protocol do one of the following:

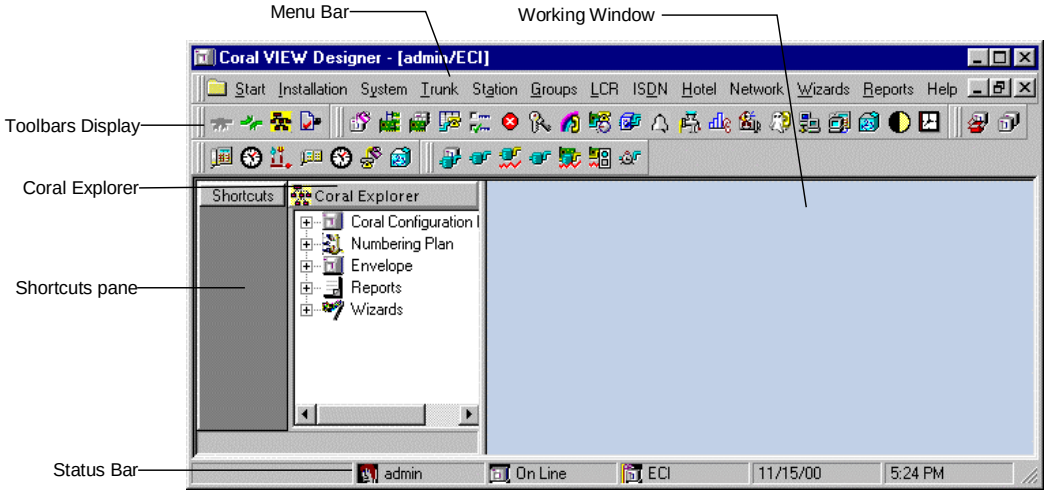
- In the Start menu, choose **Disconnect** or close the CVD main window.

-Or-

- Perform RESTART by pressing <CTRL> Y in any other HI terminal. All terminals are reverted to an ASCII protocol.

CVD Main Window

Following a successful login, the CVD main window appears. This window provides a menu bar, toolbars, the Coral Explorer pane, and the shortcuts pane to navigate between the various forms through which the system is configured and monitored. These tools are described in the following sections.



CVD Main Window

Menu Bar

The menu bar contains 13 main menus. Each of these menus provides access to a particular aspect of the Coral system configuration, and tools to monitor the system.

The menu bar groups forms according to subject, for example the Station menu or the Trunks menu.

Toolbars Display

The toolbars provide quick access to all CVD forms. Similar to the menus, the icons in the toolbars are grouped according to subjects. By default, only a few toolbars appear automatically when you connect to the CVD.

To display other toolbars, right-click anywhere in the toolbar area, and select the required toolbar in the list that appears.

For more information on the CVD toolbars and toolbars customization, see "Customizing Toolbars" on page 4-2.

Coral Explorer

The Coral Explorer pane displays CVD features in a hierarchical tree, and includes five main branches:

- Coral Configuration Interface (CCI) Branch, see page 4-14
- Numbering Plan, see Chapter 5
- Envelope Branch, see page 4-18
- Reports, see Chapter 6
- Wizards, see Chapter 7

Click these branches to reveal the lists of sub-branches. Some of the branch folders are marked with a plus (+) symbol to indicate that these folders have underlying subfolders. Folders with (all) their branches displayed are marked with a minus (-) symbol.

To open a form in the Coral Explorer, double-click the form. More than one form can be displayed simultaneously and located anywhere on the screen.

Right-clicking a form in the Coral Explorer, opens a list of form display options:

Option	Description
Run Linked Form with Entry Value	Displays the selected form with the specific entry selected in the Coral Explorer.
Run Linked Form	Displays the selected form with no entry value.
Add to Shortcuts	Adds the selected form to the Shortcut bar.
Refresh Explorer	Reloads data from the database.
View Picture	Available only for stations and cards.

Shortcuts Pane

The shortcut bar provides quick access to frequently used items. On initial connection to the CVD the shortcut bar is empty, but once shortcuts are added they will remain there for your next CVD session unless removed manually.

To add an item to the shortcut bar, drag and drop the item onto the shortcut bar.

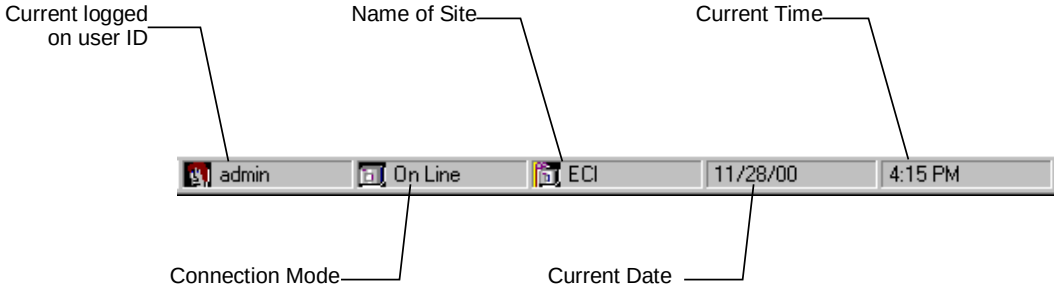
To remove and item, right-click and select **Remove from Shortcuts**.

Working Window

The working window displays a list of dial numbers selected in the NPL.

Status Bar

The CVD Status bar provides information on the current CVD session and connection settings. The information is presented from left to right.



Status Bar

4. Basic Operations

Overview

Basic Operations cover general operation procedures of the CVD application. This includes the following issues:

Customizing the Main Window

You can customize the main window setup in various ways.

Resizing Panes

The width of the Shortcut bar and the Coral Explorer are resizable to fit more information conveniently.

To resize these panes, place the mouse pointer over the borderline. The mouse pointer turns into a double-headed arrow.

Click and drag the borderline left or right as required.

Customizing Toolbars

The CVD offers 12 different toolbars, which provide access to every form. Only a few toolbars appear with the default setup. Each toolbar hosts a set of related icons that open the CVD forms. Place the mouse pointer over an icon to view the name of the form it opens.

Toolbars in the CVD are fully customizable. You can display or hide toolbars, move toolbars to other locations on the screen and create new toolbars.

To display or hide toolbars:

1. Right-click anywhere in the toolbar display area.

   A list of all the toolbars appears.

2. Check toolbars you wish to show and uncheck toolbars you wish to hide.

   The toolbars are displayed or disappear accordingly.

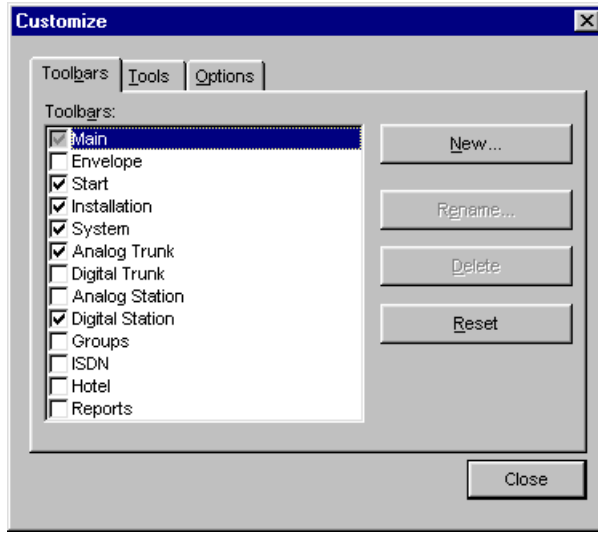
To move a toolbar, click and drag the toolbar by its handle  to a new location.

If you drag the toolbar outside the area of the toolbars display, a title with the toolbar's name appears above the toolbar.

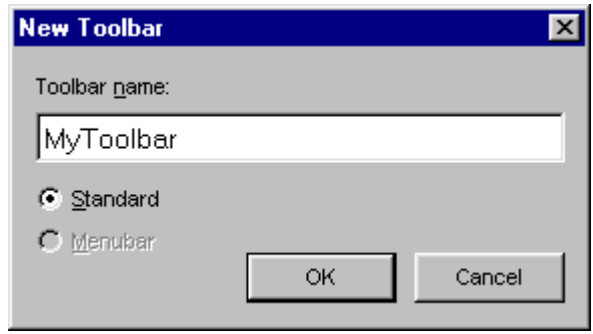
To create a new toolbar:

1. Right-click anywhere on the toolbar display. A list of toolbars appears.

2. Select Customize. The Customize dialog box appears.



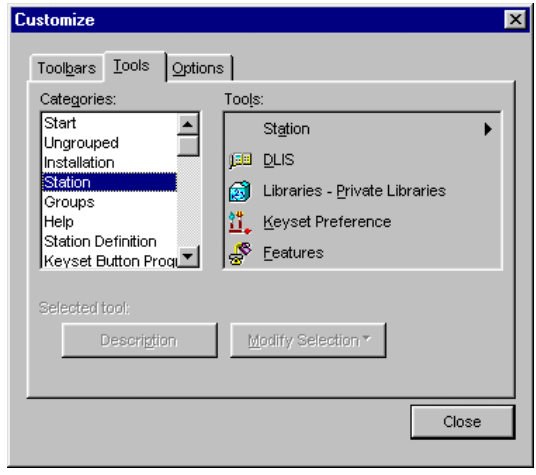
3. Click **New**. The New Toolbar box appears.



4. Enter a name and click **OK**.

   The New Toolbar dialog box closes and the newly created toolbar appears under the existing toolbars in the main window.

5. Select the Tools tab.



6. Under **Categories**, select a category. All the possible menu options and icons in this category appear under the **Tools** list.

   To view a description of the menu option or icon, select the icon and then click **Description**.

7. Drag and drop icons or menus onto the new toolbar.

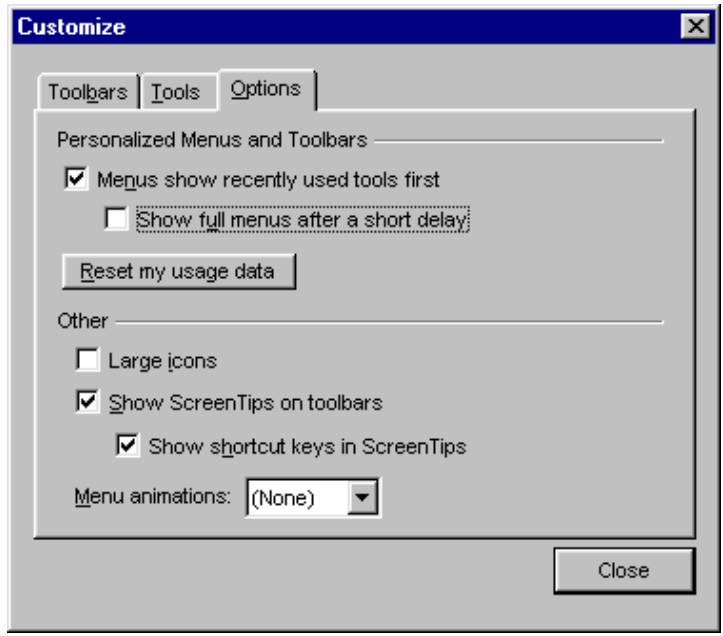
8. Repeat Steps 6 and 7 for other categories. Click **Close** to finish.

Customizing Menus and Icons

The CVD provides options to customize the way menus and icons appear in the main window.

To set these options, right-click anywhere in the toolbars display and select **Customize** in the list that appears.

1. In the Customize dialog box, select the Options tab.



2. Check or clear options in this window according to the following table.

Option	**Description**
Menus show recently used tools first	Check this option if you want the **System** menu to show the most used menu options first.
Show full menus after a short delay	Check this option to show all menu options after placing the mouse pointer over the  icon.
Reset my usage data	Click this button to reset the list of most used menu options to default settings.
Large icons	Check to display large icons
Show Screen Tips on toolbars	Check to display screen tips when positioning the mouse pointer over an icon.
Menu animation	Select the type of menu animation: • None • Random • Unfold • Slide

Using Forms

Programming and maintenance of the Coral FlexiCom using the CVD involves entering information in forms. The forms are dialog boxes that normally display an entry (e.g., trunk, station, etc.) and the properties or features associated with this entry.

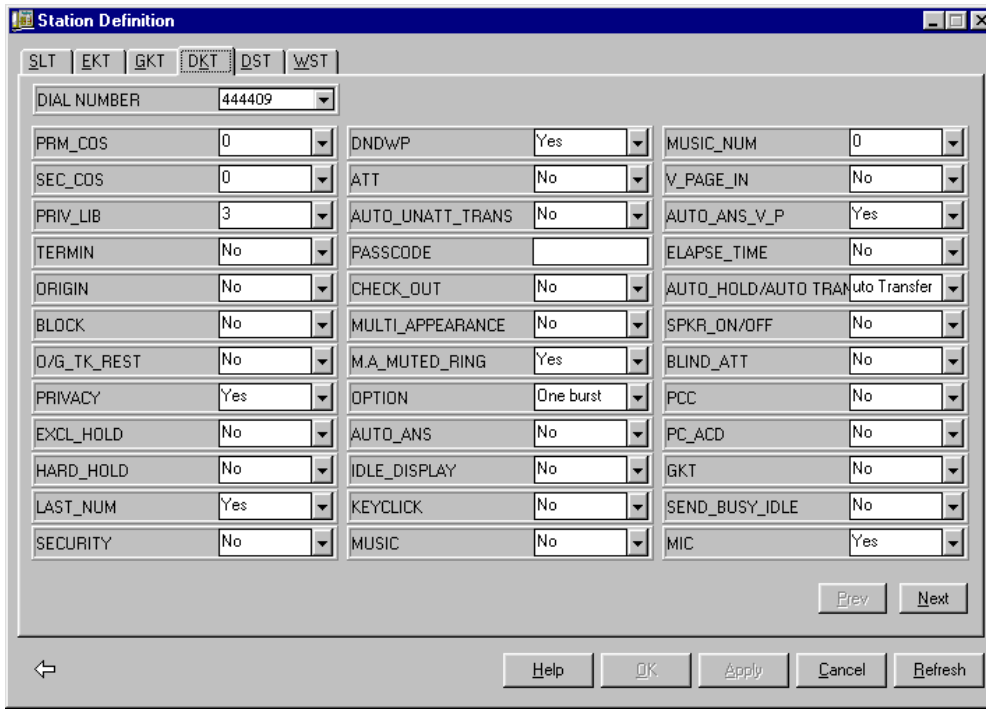
In most of the forms in the CVD you are required to make an entry to view information in the form. There are several types of entries:

- Dial # as in the Station Definition form
- Index # as in the COS form
- Shelf, Slot as in the CLIS form
- Shelf, Slot, Port as in the DLIS form

Some entry forms let you choose the type of entry (Q-SIG Channel and DLIS).

Other forms do not require an entry. These forms usually display system-wide parameters, and the information is displayed automatically when the form opens.

NOTE: A “Do you want to save the changes” message appears when trying to close a form, change an entry, or click another tab after updating a parameter in the form.



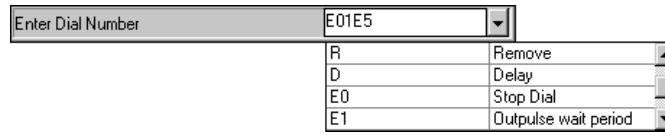
Station Definition Form

Six buttons appear at the bottom of every form. These buttons are used to perform general operations with the form.

Button	Description
OK	Sends the changes to the Coral database and closes the form.
Apply	Sends the changes to the Coral database without closing the form.
Cancel	Closes the form without sending changes.
Refresh	Recollects data from the Coral database.
Help	Opens online help regarding the current form.
	Opens a list of related forms, see “Browsing Forms Using Links” on page 4-11.

Entering Information in Forms

CVD forms may contain several elements that differ in the manner in which you enter information. The following table summarizes the most typical ways of entering information in the CVD forms.

Element	To enter information
Text box	Click inside the box and type in the required value.
Listbox	Click the down arrow next to the box and select a value. Or Click inside the box and type in a value.
Listbox with multiple values	See "Entering Multiple Values" on page 4-10.
String box	Click the down arrow next to the box and select elements to build a string of instructions. Elements can be numbers and operators that perform a function on these numbers. 
Table Cell	Click inside the table cell. A down arrow appears. Click the arrow and select the value in the list that opens.

- To view current values of parameters, place the mouse pointer over the parameter.

  A ToolTip with the parameter's value appears.

- To view full names of parameters, place the mouse pointer over the parameter.

  A ToolTip with the parameter's full name appears.

Entering Multiple Values

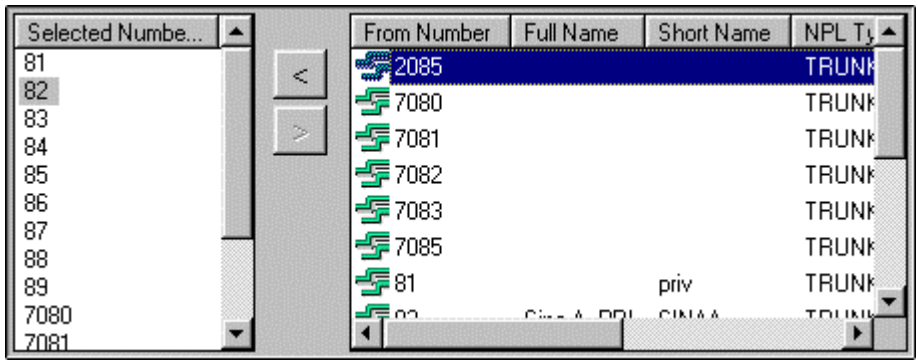
Many parameters in the CVD forms allow setting multiple values. This type of parameter is indicated by the word *Multiple* in the adjacent text box of the parameter (instead of showing the parameter's value).

To view all the values set for a specific parameter, place the mouse pointer over the word *Multiple*. A ToolTip appears displaying all assigned values.
This is illustrated in the following figure.

Parameter with Multiple Values

To enter multiple values:

1. Click the down arrow next to the parameter. The dialog box that appears features two lists, as shown in the figure below.



Multiple Values Dialog Box

The **Selected Numbers** list on the left includes values that are part of the parameter definition.

The right-hand list includes all available values for this parameter.

2. To add more values, select a value in the right-hand list and click the  icon.

   To remove values, reverse the process by selecting the unwanted value and clicking the  icon.

3. Click the parameter down arrow to close the Multiple Values dialog box and return to the form.

Browsing Forms Using Links

Adjusting system settings often requires resetting parameters for a number of different forms. Therefore, each form in the CVD features the Links  icon at the bottom-left corner of the form.

Click this button to open a context-sensitive list of forms related to the currently open form. Since all other forms also feature this button, this is an excellent method to quickly browse between related forms.

If the source form and the related form require the same entry, the related form will open with the entry currently opened in the source form.

If the source and related form do not require the same entry, the related form will open with no entry.

See the Appendix for a list of source and linked forms.

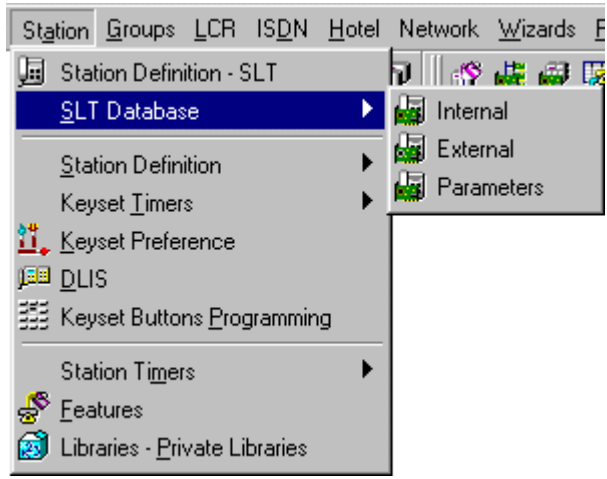
Navigating Through the CVD

The CVD offers several fully interchangeable ways to navigate through the application. Users can choose the most suitable way to fit their needs.

Navigating with the Menu Bar

The menu bar in the CVD operates like any other menu bar in a Windows-based application. The menu bar divides forms into menu options according to specific Coral issues.

To open a form, click the relevant menu option. If a form distributes information over several tabs, a small arrow next to the form's name indicates it. Click the arrow to display the tabs and then select one of the tabs. The form opens to the selected tab.



Station Menu, SLT Database Options

Navigating with Coral Explorer

Coral Explorer occupies the middle pane of the main screen display. It offers a hierarchical approach to all the features of the CVD (forms, dial numbers, wizards, and reports), and makes use of standard Windows Explorer conventions.

Two types of nodes appear in the Coral Explorer tree:

- Folder nodes–represented by the  icon. These nodes may open to underlying nodes or elements.

- Icon nodes–represented by different Coral icons. These nodes are linked to different items depending at which branch the node is located.

Icon Nodes in:	Open to:
CCI and Envelope branches	Forms
NPL branch	A List view of dial numbers
Reports branch	Reports
Wizards branch	Wizards

To open an Icon node, double-click it.

Coral Explorer divides into five main branches described in the following sections.

Coral Configuration Interface (CCI) Branch

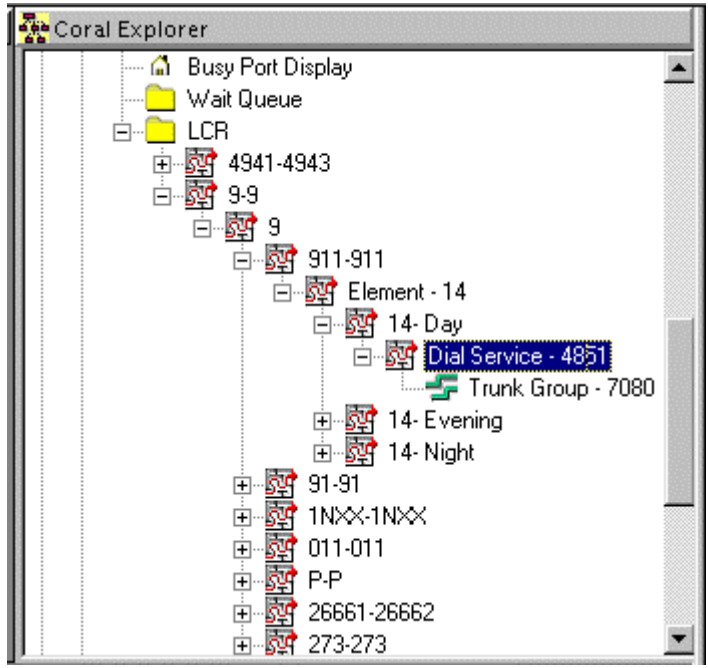
The CCI branch groups forms under three main topics:

- System—all forms needed to configure and maintain the Coral system.
- Station—all forms needed to configure and maintain stations in the Coral.
- Trunks—all forms needed to configure and maintain trunks in the Coral.

You can right-click Icon nodes in the CCI branch to open a menu with the following options:

Option	Description
Run linked form with entry value	Opens the linked form with the selected entry
Run linked form	Opens the linked form with no entry
Refresh Coral Explorer	Rebuilds Coral Explorer from the CVD database
Add to Shortcuts	Adds the icon to the Shortcuts bar
View Picture	Opens the P Type or the I Type picture of stations.

The LCR under the System topic operates dynamically by displaying branches with information drawn directly from the Coral system.



LCR/ARS in the CCI Branch

Other topics in the CCI branch display information according to the Coral NPL and sizes.

Numbering Plan (NPL) Branch

The NPL branch provides a tree view of Coral dial numbers according to NPL Types. Each folder in the NPL branch represents a different NPL Type. System Types appear as subfolders under the NPL Type folders.

To view dial numbers in the system, click the required NPL Type. A plus sign (+) appears next to the folder. Click the plus sign to reveal System Types or dial numbers.

Click a single dial number or a range of numbers to view the dial numbers in a list view, as shown in Figure 6.

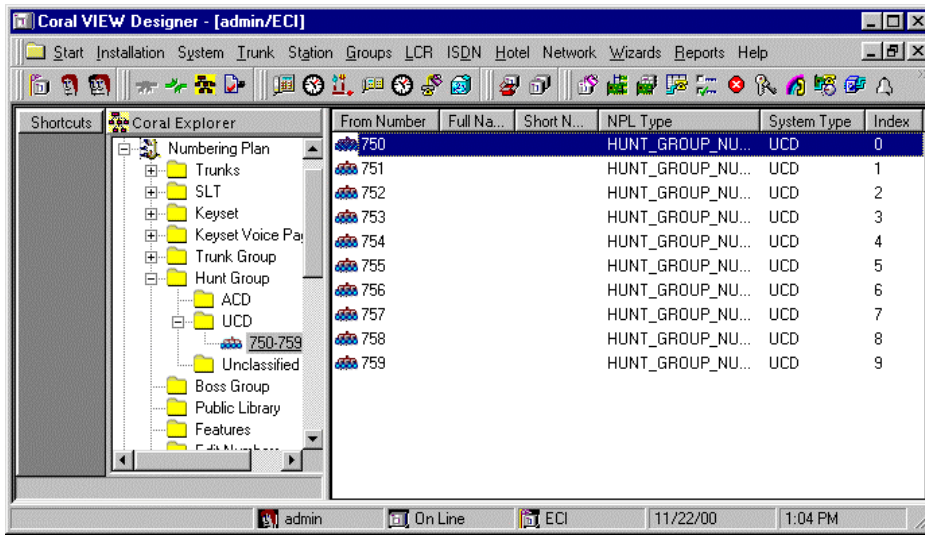


Figure 6. Example NPL List

You can sort columns in the list view in ascending or descending order by clicking the column header.

Right-click a dial number to display a menu with the following options.

Option	Description
View	Determines display options for the dial numbers. The options are: Large Icons, Small Icons, List, and Details.
Arrange Icons	Determines the order of the icons: Left (left to right) or Top (top to bottom). Available only if View set to Large Icons or Small Icons.
Refresh View	Rebuilds the Coral Explorer tree according to information in the CVD database.
Add Item	Allows adding another item to the NPL.
Update Item	Allows editing dial number names and number.
Delete Item	Deletes the selected dial number.
Erase NPL	Deletes the entire NPL. **Important: The NPL cannot be recovered.**
Properties	Displays the Properties sheet of the selected dial number.
List of related forms	Select one of the forms in the list. Displays the form without an entry.

Additionally, the Add, Update, and Delete Item options described in the above table can be applied to more than one dial number or to a range of dial numbers using the standard multiple selection techniques of Windows.

For more information on NPL see Chapter 5, "Numbering Plan".

Envelope Branch

The Envelope branch is used for system administration.
This includes Site Definition, User Definition, and Profiles Definition.

For more information, refer to “System Administration” on page 3-3.

Reports

This branch opens the various reports the CVD can generate. The reports are read-only and you can print them or export them to other file formats.

For more information about the reports, see Chapter 8, “Reports”.

Wizards

The Wizards branch offers access to the five wizards in the CVD.

Wizard	Description
Add/Modify Trunks Wizard	Adding trunks to the Coral station or modifying existing trunks
Add/Modify Station Wizard	Adding stations to the Coral system or modifying existing stations
Station Data Transfer Wizard	Transferring data between two stations
Add/Modify LCR/ARS Wizard	Adding LCR/ARS to the Coral system or modifying existing LCR/ARS
Add/Modify Call Coverage Groups Wizard	Adding or modifying Call Coverage groups.

For more information about working with wizards, see Chapter 7, “CVD Wizards”.

Creating Shortcuts

Every item with an icon (excluding folders) in the Coral Explorer can be dragged and dropped onto the shortcut bar. This creates a shortcut icon named after the item from which it was created. In this way you can create shortcuts to forms, stations, or even wizards that you frequently use.

To create shortcuts:

Select an item and then drag it to the shortcut bar.

Or

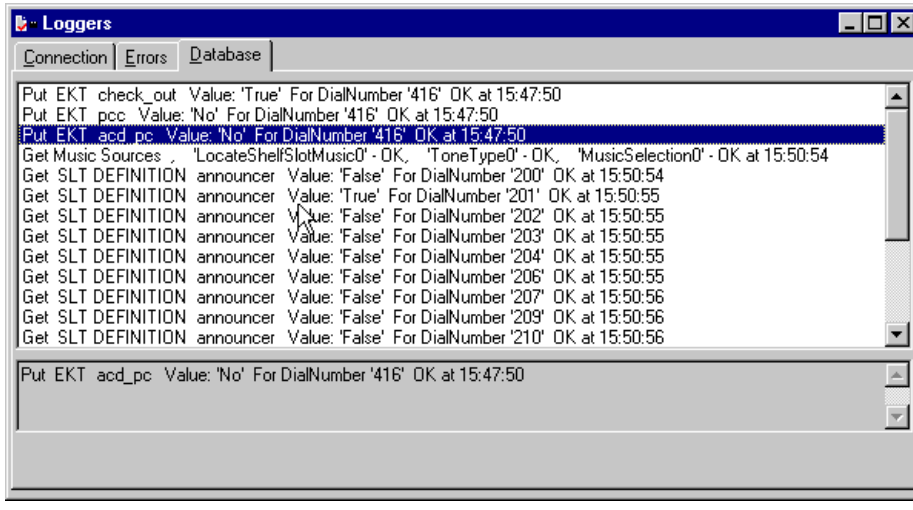
Right-click an item and select the **Add to Shortcuts** option.

To delete shortcuts:

Right-click a shortcut and select **Remove from Shortcuts**.

Viewing CVD Loggers

The Loggers window displays recorded information regarding system use and users. The window divides into three different records distributed over three tabs accordingly.



Loggers Window

The loggers are described in the following table.

Logger	Description
Connection	List of users who have logged into the system with their login and logout times.
Error	List of errors that occurred during the current session. The information is deleted when you logout.
Database	List of operations that were executed during the operation of the CVD. By default, the Database logger logs only Put operations.

To open the Loggers window, select *Start* > *Show Loggers* in the main menu or click the **F2** function key.

Right-click in any logger to access the following options:

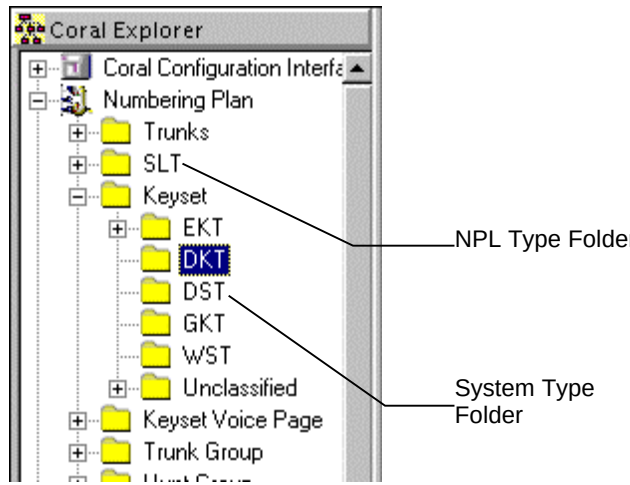
Option	Description
Save As	Saves the database file in common file formats.
Print	Prints the document to the PC default printer.
Logger Options (only relevant for Database logger)	Lets you select between two logging options: • Update & Fetch–all Put and Get operations. • Update–only Put operations (default).
Clear Database	Deletes all records in the current logger. Available only to Admin users.

In the bottom panel, you can scroll through long lines that do not fit into the Loggers window.

5. Numbering Plan

Overview

The Numbering Plan (NPL) is used to determine the Coral system-wide numbering scheme. Dial numbers in the NPL are grouped into folders according to NPL Types. This includes all the folders under the NPL branch in the Coral Explorer (Trunks, SLT, Keyset, etc.). In some of these NPL Types, dial numbers are further grouped into subfolders according to System Type. For example, the Keyset NPL Type divides into five System Types: EKT, DKT, DST, GKT, and WST. This is shown in the following figure.
The NPL database resides on the CVD computer and is updated concurrently with the Coral database.

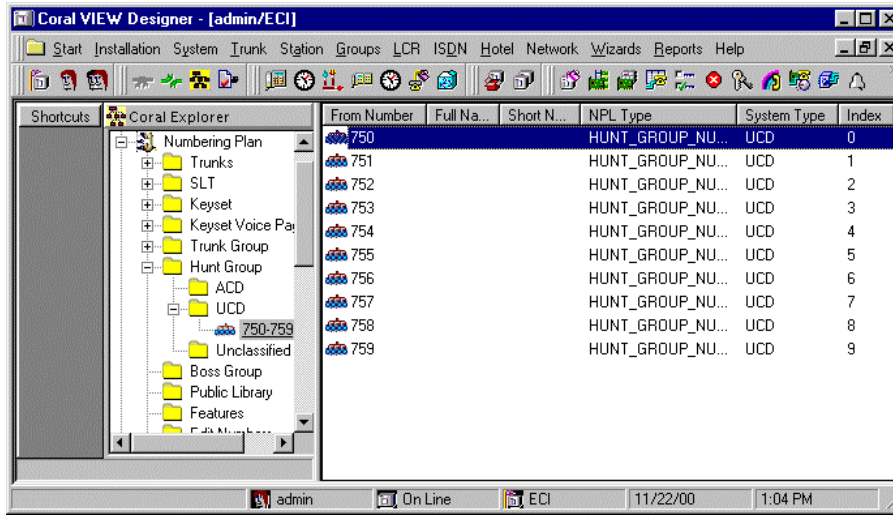


The Unclassified folder is a default System Type reserved for dial numbers that were not defined in other System Types.

To reveal dial numbers under an NPL Type folder, click the required NPL Type. If a plus sign (+) appears next to the folder, System Types or dial numbers exist

within this folder. If no plus sign appears next to the folder, no dial numbers are defined for this folder in the current system database.

Click a range of dial numbers to view them in a list view, as shown below.



NPL List View

The list view distributes the information regarding the selected dial numbers over the columns as follows:

Column	**Description**
From Number	Dial number
Full Name	Name of the dial number up to 16 characters. For features, the name of the feature appears instead.
Short Name	Name of the dial number up to 5 characters.
NPL Type	NPL Type of the dial number
System Type	System Type of the dial number

Column	Description
Shelf, Slot, Ckt	Displayed for dial numbers with physical location (e.g., stations, and trunks) the columns represent the physical location of the dial number.
Index	Displayed for dial numbers with logical location (e.g., features and groups). Shows the index number of the feature or group.
Node Number	Displayed for dial numbers of network nodes.

Modifying the List View

You can control the manner in which dial numbers are displayed in the list view. When you click a dial number range in Coral Explorer, the default display is a detailed list of the dial numbers.

To change the list view display:

1. Right-click anywhere in the list view and select **View** in the shortcut menu that appears.

   The **View** option offers four different displays of the list view:

   Large Icons—displays the dial numbers in large icons and no details.

   Small Icons—displays the dial numbers in small icons and no details.

   List—displays dial numbers in a list view and no details.

   Details—displays dial numbers in a list view with details.

   If you choose to display dial numbers in a list, you can arrange the list in top-down or left-right order by selecting **Arrange Icons** in the shortcut menu.

2. To refresh the list view, right-click anywhere in the list view and select **Refresh** in the shortcut menu that appears.

In addition, you can change the width of columns in the list view to fit information more conveniently.

To change the width of columns:

1. Place the mouse pointer over the borderline between two column headings. The mouse pointer turns into a double-headed arrow as shown in the figure below.

2. Drag the borderline left or right as required.

You can also sort the list view in ascending or descending order.

To sort columns:

1. Click any column heading once to sort the list view in ascending order.

2. Click the column heading again to sort the list view in descending order.

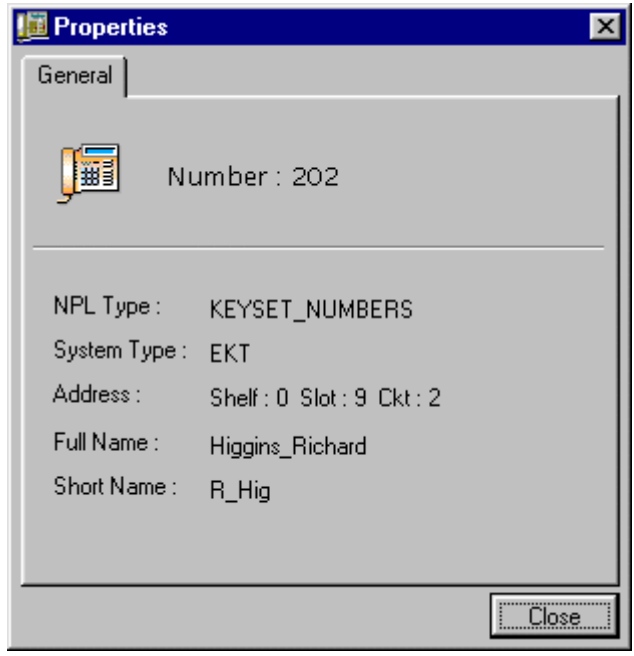
Operating Dial Numbers in the List View

Right-click in the list view to open a menu with the following options:

Viewing Dial Number Properties

When the list view displays a long list of dial numbers it is easier to view the properties of one dial number in a single dialog box. To do this, right-click a dial number in the list view and select **Properties** in the shortcut menu that appears.

The Properties sheet displays the selected dial number information in a dialog box as shown in the figure below.

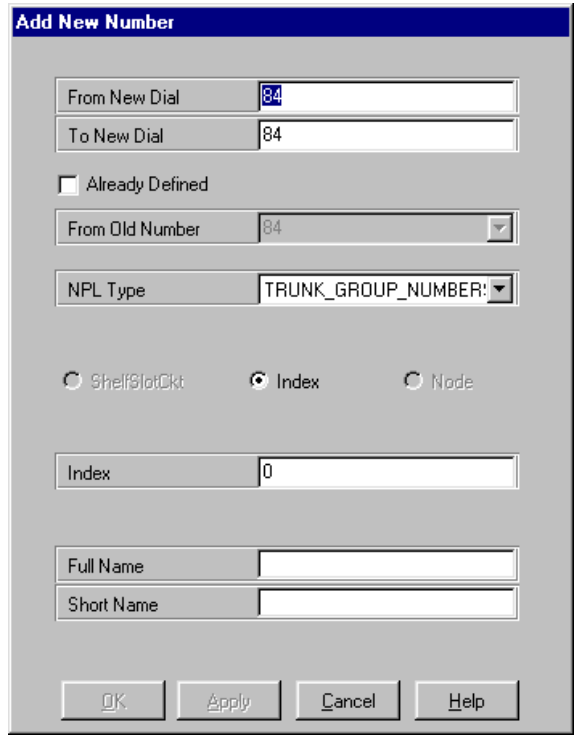


Adding Dial Numbers

You can add dial numbers in the list view to any NPL Type.

1. Right-click anywhere in the list view and select **Add Item** in the shortcut menu that appears.

   The Add New Number dialog box appears.



2. In the **NPL Type** list, select the type of dial number you wish to add.

   The address (ShelfSlotCkt, Index, Node) of the dial number is automatically checked according to the type of dial number selected.

3. Enter other required information for the new dial number and click either **Apply** or **OK**.

Updating Dial Numbers

Updating dial numbers in the list view is done in similar way to adding new dial numbers.

1. Right-click anywhere in the list view and select **Update Item** in the shortcut menu that appears.

   The Update Dial Number dialog box appears.

Update Number Dialog Box

2. Update the required information. Fields that appear grayed out (disabled) are read-only fields that cannot be updated.

3. Click either **Apply** or **OK**.

Deleting Dial Numbers

You can use the list view to delete one or more dial numbers.

1. To delete dial numbers, select a dial number or multiple dial numbers using standard Windows selection techniques.

2. Right-click the selected dial number or numbers, and select **Delete Item** in the shortcut menu that appears.

3. Confirm the deletion in the message box that appears.

Erasing the NPL

One other option of the list view is erasing the entire NPL.

1. Right-click anywhere in the list view and select **Erase NPL** in the shortcut menu that appears.

2. Confirm the deletion in the message box that appears.

WARNING: After erasing the entire NPL there is no way to recover it.

Using NPL Links

At the bottom of the shortcut menu, a list of forms related to the currently open NPL branch appears. You can use this list to open the forms.

To open a form, select it from the list. If you selected a form that opens with an entry, the forms displays the selected dial number as the form's entry.

6. CVD Forms

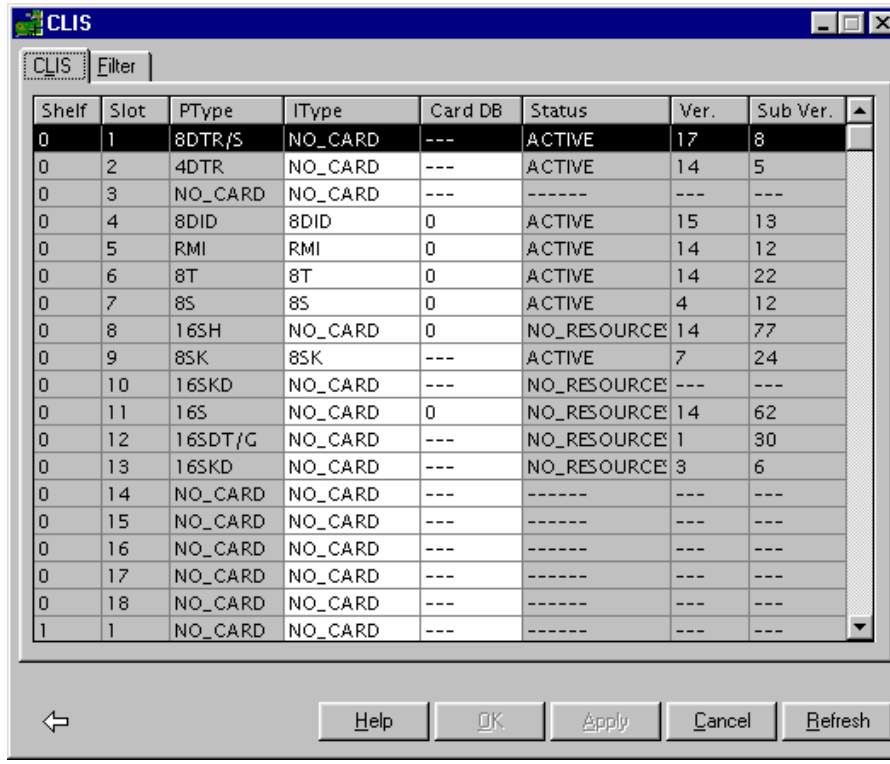
Overview

The following sections describe forms with special user-interface elements. The forms are divided into eight Coral issues according to the entries in the menu bar from left to right:

System Forms

Card List

The Card List form (CLIS) provides a list of cards installed in the Coral system. By default, the CLIS form opens with the Filter tab to allow filtering the card list.



Shelf	Slot	PType	IType	Card DB	Status	Ver.	Sub Ver.
0	1	8DTR/S	NO_CARD	---	ACTIVE	17	8
0	2	4DTR	NO_CARD	---	ACTIVE	14	5
0	3	NO_CARD	NO_CARD	---	------	---	---
0	4	8DID	8DID	0	ACTIVE	15	13
0	5	RMI	RMI	0	ACTIVE	14	12
0	6	8T	8T	0	ACTIVE	14	22
0	7	8S	8S	0	ACTIVE	4	12
0	8	16SH	NO_CARD	0	NO_RESOURCE	14	77
0	9	8SK	8SK	---	ACTIVE	7	24
0	10	16SKD	NO_CARD	---	NO_RESOURCE	---	---
0	11	16S	NO_CARD	0	NO_RESOURCE	14	62
0	12	16SDT/G	NO_CARD	---	NO_RESOURCE	1	30
0	13	16SKD	NO_CARD	---	NO_RESOURCE	3	6
0	14	NO_CARD	NO_CARD	---	------	---	---
0	15	NO_CARD	NO_CARD	---	------	---	---
0	16	NO_CARD	NO_CARD	---	------	---	---
0	17	NO_CARD	NO_CARD	---	------	---	---
0	18	NO_CARD	NO_CARD	---	------	---	---
1	1	NO_CARD	NO_CARD	---	------	---	---

Card List (CLIS) Form

The form contains two tabs:

- CLIS—for viewing the card list and updating two parameters:

  I Type—type of card initialized (first time card identified by the system) in the designated slot.

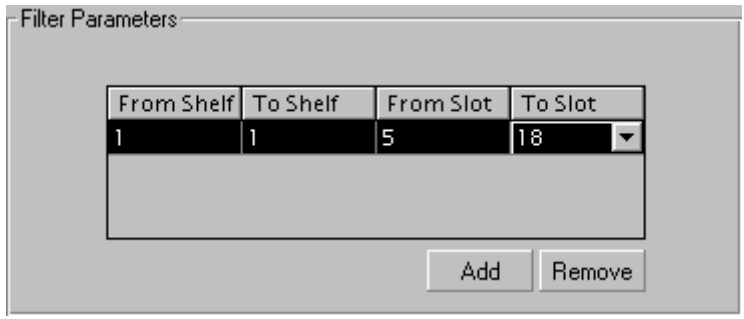
  Card DB—Identifies the card database number assigned to the card type in the designated slot.

- Filter—to filter the card list, so as to view only those cards required:

1. Click the Filter tab and check **Use Filter**.

2. Under Filter Parameters, click **Add** and select the **From/To Shelf** range and the **From/To Slot** range, as shown in the figure below.

   You can add as many filters as you like.



CLIS Filter Tab, Filter Parameters

3. Click **CLIS Refresh**.

   The Filter sheet closes and the Card List is refreshed according to the chosen filter parameters.

NOTE: You can double-click a card in the CLIS tab to open the Port List form of the card filtered by the card location.

Hardware Data

The Hardware Data form provides hardware information pertinent to the Coral FlexiCom connected to the CVD. The CVD downloads this data from the Coral and allows configuring physical data in order to build an accurate representation of the Coral.

Configuration of physical layout data is done when setting up the system, and is saved into the Coral database. You can reconfigure this data when the Coral physical layout changes.

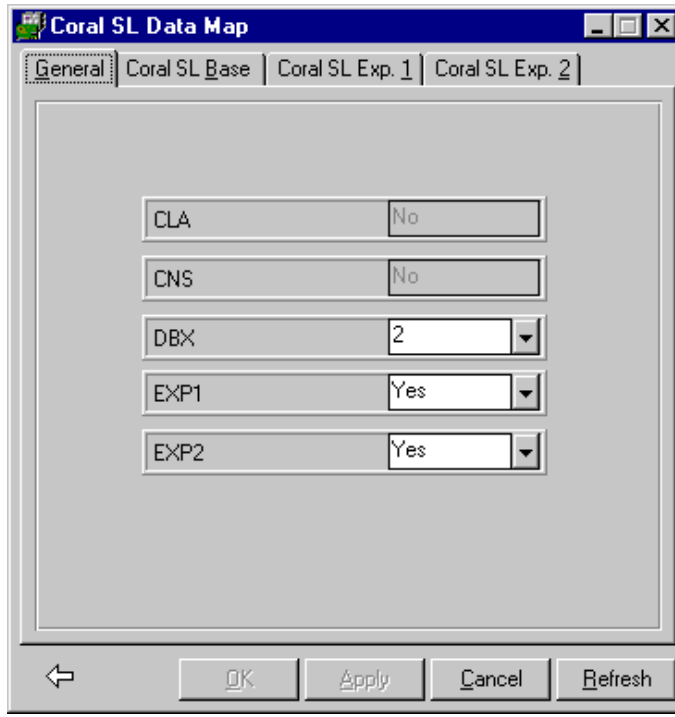
Read-only fields in the Hardware Data form display the Coral type, some of the hardware components, and fixed data such as number of cards, location of the MCP unit, etc.

- Coral FlexiCom 200 (Coral SL) Data Map
- Coral FlexiCom 300 (Coral I) Data Map
- Coral FlexiCom 400 (Coral II) Data Map
- Coral III SVC Data Map
- Coral FlexiCom 5000 (Coral III 4GC) Data Map
- Coral FlexiCom 6000 Data Map (TBD)

Each of these forms allows modifying hardware layout parameters to provide an accurate representation of the Coral FlexiCom system.

Coral FlexiCom 200 (Coral SL)

The Coral FlexiCom 200 Data Map form contains four tabs to define the hardware layout of a Coral FlexiCom 200 unit.



Data Map Form, Coral FlexiCom 200

1. In the General tab, select the number of DBXs and the number of expansion units according to the system hardware layout.

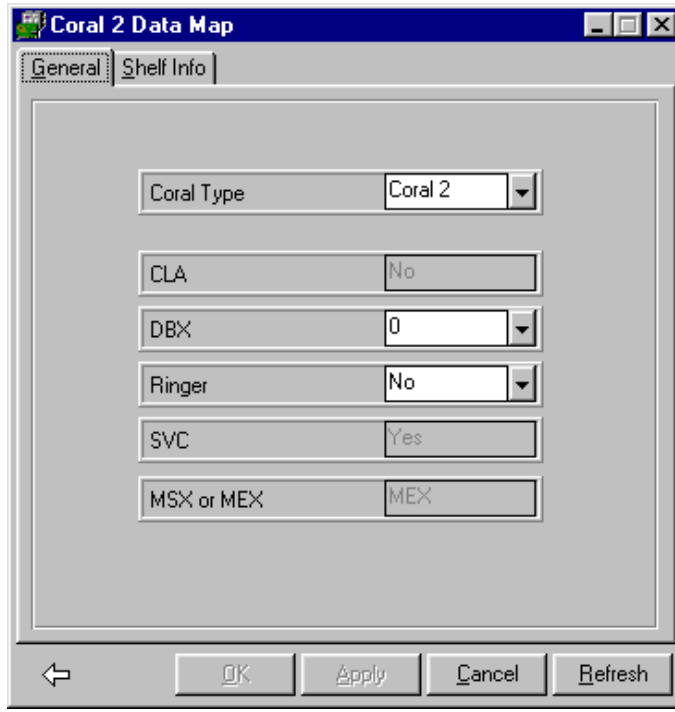
   The Coral FlexiCom 200 Exp. 1 and 2 tabs become available accordingly.

2. Configure the Base unit parameters in the Coral FlexiCom 200 (SL) Base tab.

3. In the Coral FlexiCom 200 (SL) Exp. 1 and 2 tabs, define CSLX expansion unit parameters. These tabs are not available if you do not select expansion units in the General tab.

Coral FlexiCom 300 and 400 (Coral I, II, III SVC)

By default, the Hardware Data form of FlexiCom 300 and 400 is initially configured to FlexiCom 400, as shown in the figure below.



Hardware Data Form, Coral FlexiCom 400

1. To change the type, select the required type in the **Coral Type** box.

   The form changes accordingly and the title of the form indicates the selected type.

IMPORTANT: Before changing Coral system type, make sure to close all other hardware configuration forms (Card List and Hardware Graphic).

2. After selecting the required Coral type, select the number of DBXs and other data in the General tab.

3. For Coral III SVC, you can also define PPS and RPS in the Shelf Info tab.

Coral FlexiCom 5000 (Coral III 4GC)

The Hardware Data form of Coral FlexiCom 5000 contains a general tab and up to five additional tabs corresponding to the five cabinets available on the Coral FlexiCom 5000.

You can select the number of cabinets and the Control Unit cabinet according to the hardware layout of the system.

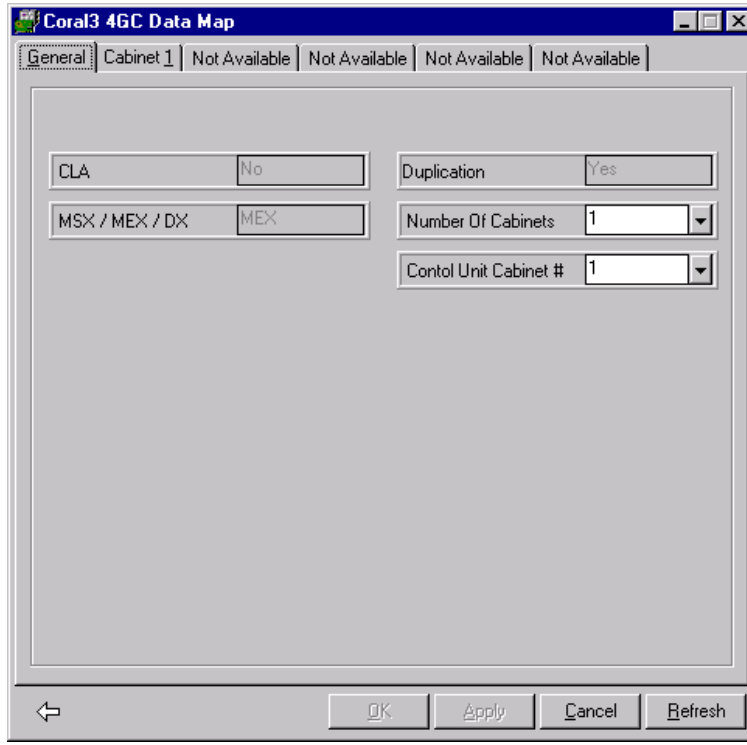


Figure 7. Hardware Data Form, Coral FlexiCom 5000

To specify the number of cabinets:

1. In the General tab, select the required number in the **Number of Cabinets** box.

   The selected number determines how many Cabinet tabs become available.

   In the example in Figure 7 the number of cabinets is 1. Therefore, only the Cabinet 1 tab is available.

2. In the **Control Unit Cabinet #** box, select the cabinet that hosts the Control unit.

   The control unit always resides on the lowest shelf of the cabinet and cannot be more than two cabinets away from any cabinet. For example:

If the number of cabinets is five, the control shelf must reside on cabinet 3.

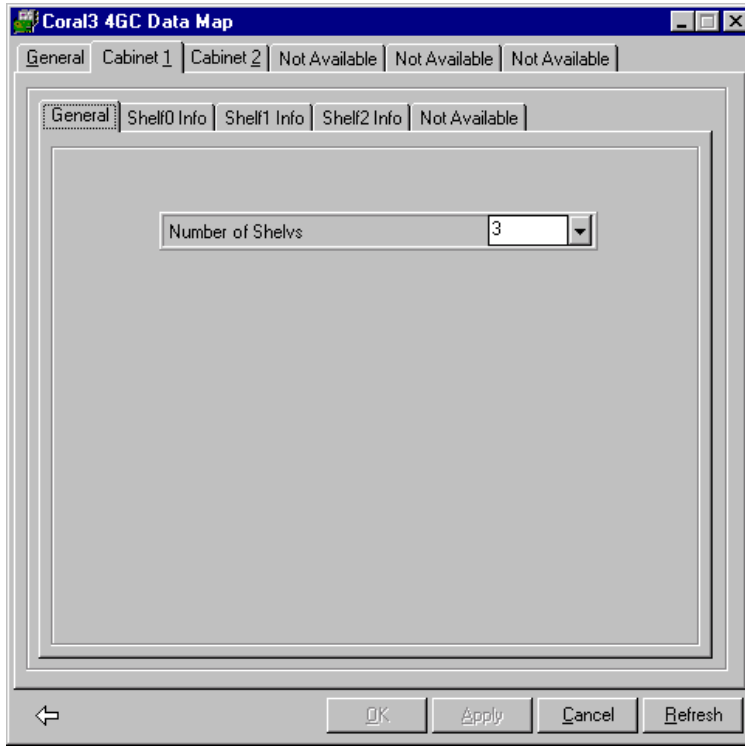
If the number of cabinets is four, the control shelf can reside on cabinet 2 or 3.

If the number of cabinets is three, the control shelf can reside on any of the shelves.

Each cabinet tab that becomes available hosts a subsequent General tab and up to four Shelf Info tabs.

In the general tab of each cabinet, select the number of shelves in this cabinet.

According to the selected number, Shelf Info tabs become available. In the following figure, the number of shelves is 3. Therefore, three Shelf Info tabs are available.



Hardware Data Form, Coral Flexicom 5000, Cabinet 1, General Tab

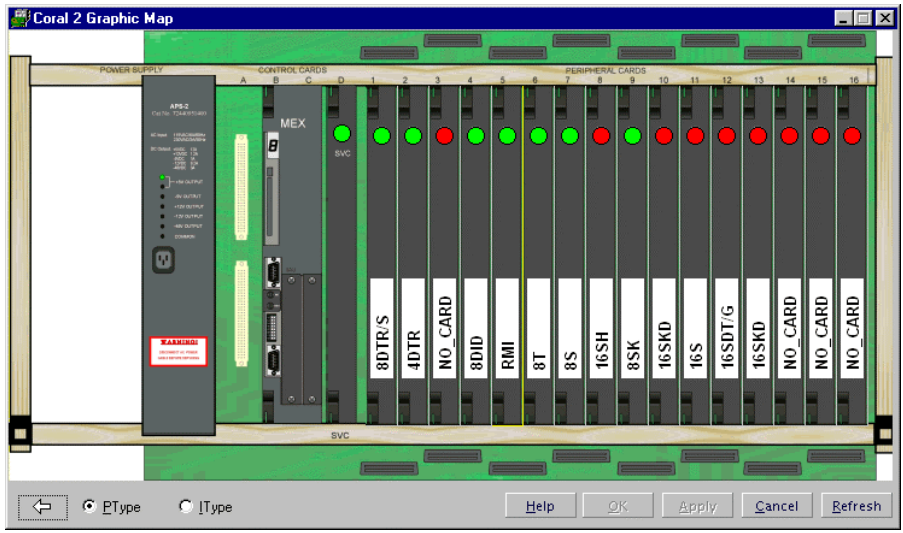
Use the Shelf Info tabs to define the required hardware layout of the system.

Parameter	Description
Shelf Physical Location	Shelves in the Coral FlexiCom 5000 system are numbered from the bottom. Range is 0 to 3, according to the number of shelves selected for the cabinet.
Shelf Logical Location	This is the Coral logical address of the shelf and is numbered 0 to 15 in duplication system. 0 to 7 in non duplicate system. The range shows even or odd numbers according to the PB setting. The user should indicate for each physical location the proper shelf logical address or indicate No Shelf in this location.
PPS	Select Yes or No according to the system hardware configuration.
RPS	Select Yes or No according to the RPS system hardware configuration.
Remote	Select Yes for a shelf in a remote location.
Remote Site Name	Available only if Yes is selected in the **Remote** box. The name will appear in the Graphic Map.
PB Card	PB and PB 24 generate an even range values of logical locations. No PB generates an odd range of values.

Hardware Graphic Map

The Hardware Graphic Map form graphically displays the Coral system configuration. The picture that is displayed depends on the information drawn from the Coral (slot assignment) and information that has been configured manually in the Hardware Data form (coral type, number of DBXs, etc.).

The following figure illustrates a Hardware Graphic Map of the Coral FlexiCom 400 system.



Hardware Graphic Map, Coral FlexiCom 400

The LEDs on the card denotes the status of the card:

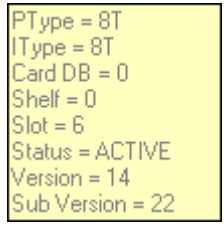
- Green–active
- Red–not active (any other status)

The hardware graphic map provides the following:

Viewing cards information

Right-click a peripheral card and select Card Information in the shortcut menu that appears.

Information relating to the card appears in a yellow box to the left of the card.



NOTE: Double-click a peripheral card to open its Port List form. You can then proceed to editing ports for this card. See "Port List" on page 6-14 for more information on this form.

Viewing Present Type (P Type) vs. Initialized Type (I Type)

The **P Type** and the **I Type** options are located at the bottom left corner of the Hardware Graphic Map form.

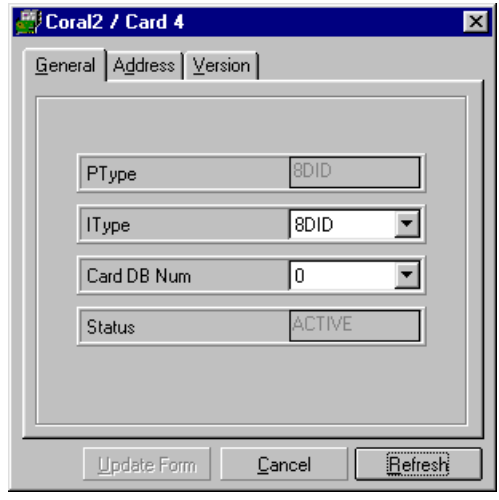
- Click **P Type** to view present types of the Coral peripheral cards.
- Click **I Type** to view initialized types of the Coral peripheral cards.

Editing Cards Information (Only in I Type)

While you are in I Type display mode, you can edit card information to reflect recent changes in the Coral system.

1. Right-click a peripheral card and select **Card Edit** in the shortcut menu that appears.

   The following dialog box appears.



Card Edit Dialog Box

   The title of the dialog box displays the system type and the card slot number.

2. In the **I Type** list, select the type of the new card.

3. In the **Card DB Num** list, select the new card database.

4. Click **Update Form** to update the Card Graphic Map form, and **Cancel** to close the Edit Card dialog box.

5. In the Hardware Graphic Map form, click **Apply** or **OK** to save the changes to the Coral database.

Port List

Initially, the Port List form opens with no table entries. You can display ports by dial number or by physical location. Alternatively, if required, all ports can be viewed.

To display the Port List:

1. Under **Select by**, select a filter to apply to the port list.
2. Enter filter parameters:
   - For **Dial Number**, enter **From Dial Number** and **To Dial Number** range in the box to the left.
   - For **Physical Location**, enter **From/To Shelf** range and **From/To Slot** range in the box to the left.
   - For **All** no parameters are required.
3. Click **Retrieve**. The Port List appears with the following parameters (regardless of which filter was used to display the port list): Dial #, Port Type, Port DB#, Short Name, Long Name, Shelf #, Slot #, Ckt and Note.

   A status bar at the bottom of the form indicates currently applied filter and sort information.

Figure 8. Port List, Status Bar

If the text in the status bar exceeds its box, place the mouse pointer over this box to view the entire text.

Editing Port List Parameters

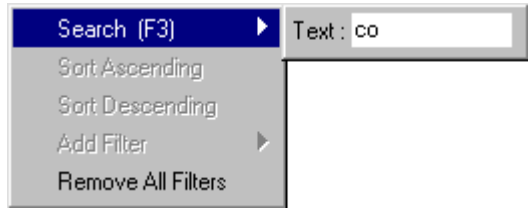
The Port DB#, Short Name and Long Name parameters can be changed by clicking on the item you want to edit.

- **Port DB#**: select a new database number in the listbox.
- **Short/Long Name**: enter the new name.

NOTE: Changing names in the Port List affects the List view of the NPL only after refreshing the Coral Explorer.

Searching in the Port List

1. Right-click anywhere in the list to open a shortcut menu.
2. Select the **Search (F3)** option.



Port List, Search Option

3. Enter the required search string.

   The system searches the entire table and highlights the first occurrence of the string.

Sorting the Port List

The Port List can be sorted by ascending or descending order for any one of the parameters, as required.

1. Click the heading of the column you wish to sort.
2. Right-click and select either **Sort Ascending** or **Sort Descending**.

   The port list is sorted accordingly and the sort parameter is indicated in the status bar of the form. See Figure 8 on page 6-14.

Adding Additional Filters

Further condense the Port List by filtering a specific parameter.

1. Select the required column.
2. Right-click, and select the **Add Filter** option.
3. Enter the specific text or number that you would like to view.

   For example, in the Slot # column, you may wish to display only the ports in Slot 7.

   The current Port list is re-filtered, according to the new filter (i.e., only Dial Numbers that reside on Slot 7 are displayed in the Port List).

   The filter information is indicated in the status bar of the form, see Figure 8 on page 6-14.

Refreshing the Port List

To return to the original Port List format, right-click anywhere in the list and select **Remove All Filters**.

Toll Barrier

Toll Barrier contains the programming instructions for defining Toll Barrier elements and defines illegal numbers that cannot be dialed depending on the station's COS definition.

When this form is displayed, Toll Elements already defined appear as a list on the left side of the form. To view the parameter values of any of these elements, click the required **Element #**.

Parameter values of the elements appear in read-only fields and cannot be updated.

To add a Toll Barrier element:

1. Click the Add button.

   A new element is automatically added to the **Toll Elements** box.

2. Define the five parameters for the new element.

To remove a Toll Barrier element:

1. Select the Toll Barrier element you wish to remove.

2. Click the **Remove** button at the bottom of the form.

   Toll Elements are automatically renumbered when an element is removed.

To update a Toll Barrier element:

The Toll Barrier elements cannot be updated. Therefore, to update an element, first remove the element from the list and then add a new element with updated values.

VFAC (Verified Forced Account Code)

The VFAC form contains three tabs to program and allocate the VFAC feature:

Tab	Description
Init Codes	Use this tab to select one of the 32 available Init Types.
Code	Use this tab to assign codes to stations and to COS.
SMDR	Use this tab to define the account code on the SMDR report.

To change Init Type:

1. Select the Init Codes tab.
2. Click the **Any_Specific_Init_Type** list and select **Yes–Change by Programmer.**
3. Click **Enter_New_Init_Type** and select an Init number in the list.
4. Click **Apply** to apply the change.

To assign codes to stations and COS:

1. Select the Code tab.
2. Choose the code to be updated and/or changed by selecting and highlighting a line in the table.

   Stations assigned to this code appear in the **Assign To** box.

   Type of COS assigned to this code appears in the **COS** box.
3. Change the attributes as required by selecting pertinent values in the **Assign To** or **COS** lists.
4. Click **Apply** to confirm the assignment.

Gains

Adjust the audio transmission levels between any port or card by using the Card Gains, Compensation Port Gains, and Feature Control.

Tab	Description
Card Gains	Defines gain values for the different system paths (all types of ports).
Port Gains	Enables fine-tuning the gain control for each individual port, using the Port Gains Compensation elements.
Port Gains–Compensation	Defines a set of 32 compensation elements. These elements apply to all system ports. When adjusted by the proper values, these compensating elements can either increase or decrease the port's gain as required.
Feature Control	Allows defining transmission values for port types (cards) not engaged in conversation, for example, dial tones, system tones, music, etc.

To filter the Card Gains table:

1. In the Card Gains tab, check the **Filter** box.

   If the **Filter** box is not checked, the form may take several minutes to load.

2. Select the **Source** card type and the **Destination** card type.

   The Card Gains table is updated accordingly.

   If you do not select a filter, the Card Gains table displays the gain between all card types.

To change RCV (Rx) and TRX (Tx) values in Card Gains:

1. In the Card Gains table, select source and destination combination.
2. Click the Rx or Tx table cells of this port.

   A  appears at the right-hand side of the selected cell.
3. Click the down arrow and select a value in the list that opens.

To change the Compensation Element for a specific port dial number:

1. In the Port Gains tab, select a port type in the **Port Type** list.

   All the dial numbers of this port type appear in the table below.
2. Select the required port dial number.
3. Click the compensation element of this port.

   A  appears at the right-hand side of the selected cell.
4. Click the down arrow, and select a new compensation element value in the list that opens.

To change the Rx or Tx values for compensation elements:

1. Select the required element.
2. Click the Rx or Tx table cells of this element, and select a new value in the list that opens.

To change the Rx or Tx values for specific port types in the Features Control Tab:

1. In the Feature Control Gains tab, select the required port type.
2. Click Rx or Tx table cells of this port type.

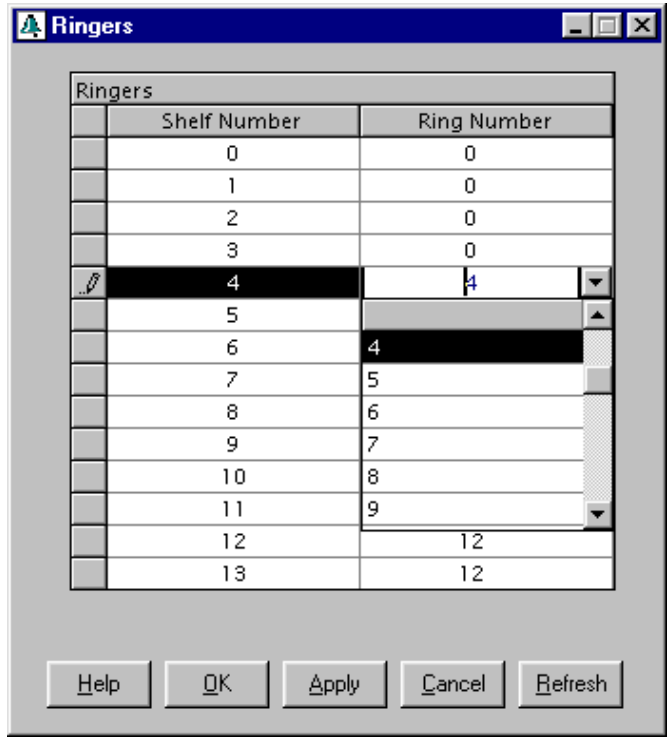
   A  appears at the right-hand side of the selected cell.
3. Click the down arrow and select a new value in the list that opens.

Ringers

The Ringers form displays Coral shelf numbers and their relevant ring numbers.

To change a ring number for a specific shelf, click the ring number of the shelf you want to change.

Click the button that appears next to the ring number, and select a new number in the list that opens as shown in the following figure.



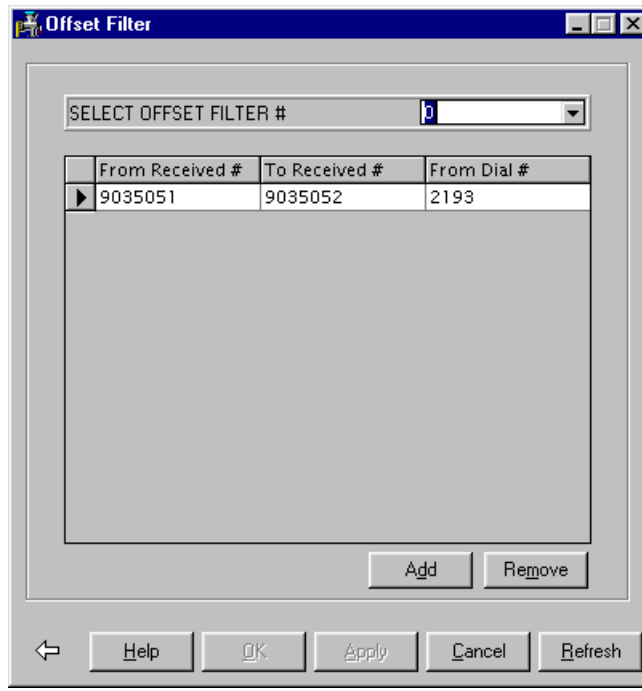
Ringer Form

Offset Filter

The Offset Filter form is used to define offset filter ranges for the Coral system. By default, four offset filters can be defined, each with up to 32 elements (received number ranges). You can add, delete, and modify elements in the Offset Filter form.

Additionally, you can increase the number of offset filters defined for your system, by changing the suitable parameter in Size Def.

To view elements defined for an offset filter, select one of the available filters in the **Select Offset Filter #** box. The elements of this filter appear in the table below.



Offset Filter Form, Filter Number 0

To add an element:

1. Click **Add**.

   A new empty line is added after the last line in the table.

2. Enter the range of the element in the **From Received #** and **To Received #** columns.

3. Enter the new sequence number in the **From Dial #** column.

4. Click **Apply** to confirm.

To delete an element:

1. Select the entire line of the element or place the cursor anywhere in the line you wish to delete.

2. Click **Remove**.

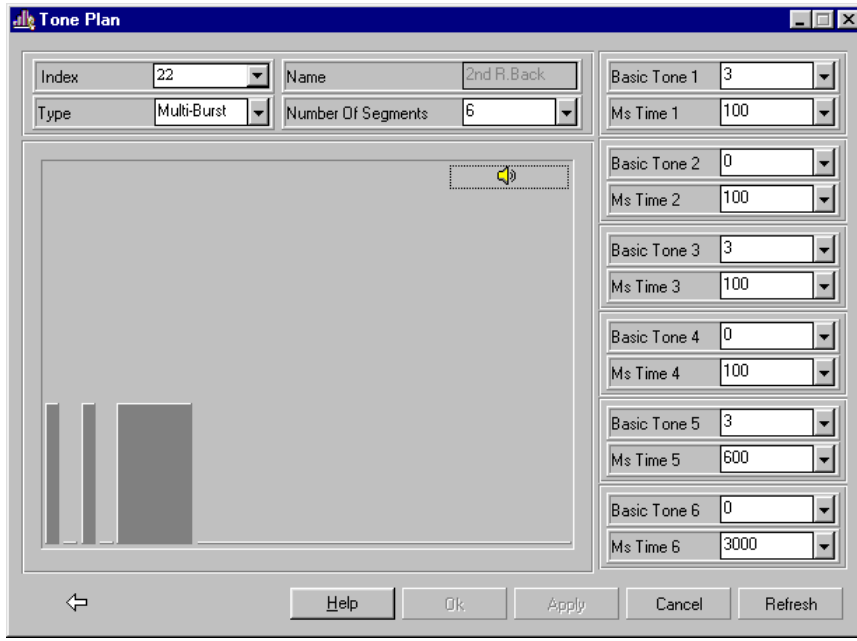
To modify an element:

1. Place the cursor the table cell you wish to change and type in a new number.

2. Click **Apply** to confirm. In case the value you entered is not valid, an error message appears.

Tone Plan

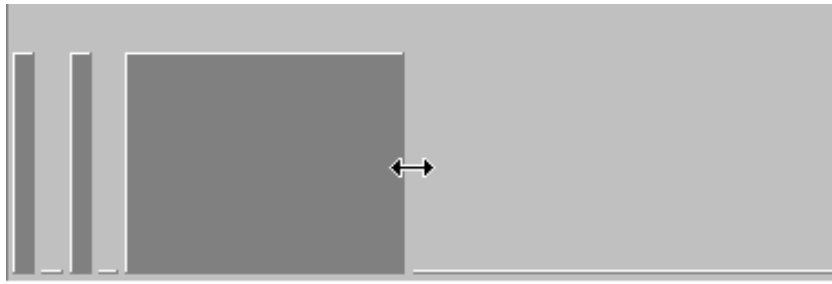
To view or change a Tone, select a tone number in the **Index** list. The name of the tone appears in the **Name** box. This name cannot be changed.



Tone Plan Form

Continue to define **Type**, **Number of Segments**, **Basic Tone**, and **MS Time** (i.e. Duration) by clicking the down arrow and selecting values in the list that opens.

Alternatively, you can drag the tone border left or right to increase or decrease the duration of the tone as shown in the following figure.



Changing Tone Duration

To hear an example of the tone sound, click  at the upper right-hand corner of the form. The tones are played using the PC speaker.

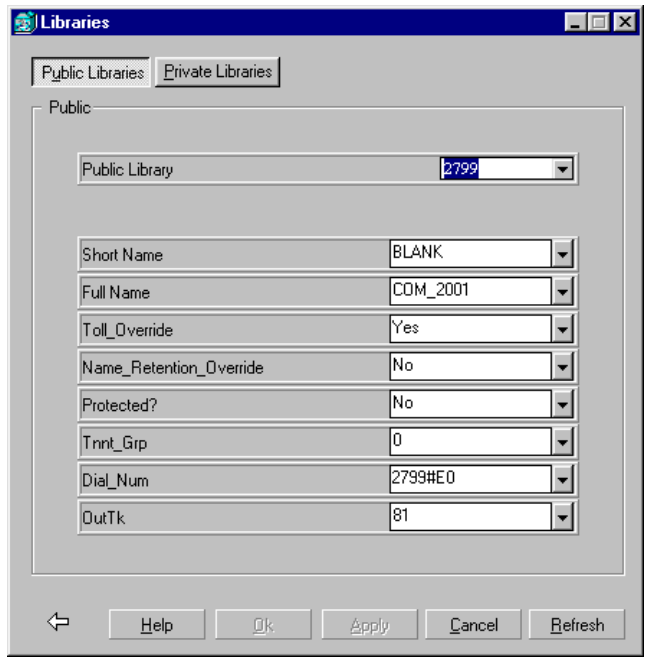
Multi-Burst tones will be heard three times.

The differences in the basic tones frequencies is defined according to Coral defaults (depending on country of installation).

Libraries

The Libraries form has two tabs: Public Libraries and Private Libraries.

To switch between the two libraries, click **Private Libraries** or **Public Libraries**. The form changes accordingly.



Libraries Form, Public Library

- Public Libraries—used to establish an abbreviated common access to frequently dialed numbers. The Public Library is also known as the system-wide speed dial.

  For public libraries, select a library number in the **Public Library** list. Continue to define or change values for the library parameters below.

- Private Libraries—used to establish an abbreviated personal (station-specific) access to frequently dialed numbers. The Private Library is also known as personal speed call.

For private libraries, select a **Station Number** and a **Private Library** number. Continue to define or change values for **Enter Dial Number** and **Specific Tk** parameters.

Night Service

Information of the Night Service form is distributed over four different tabs. Each tab can be accessed separately from the Night Service option in the main menu.

Timers

The Timers tab displays a graphic representation of the three time blocks. A different color is used for each time block. The window shows 4 blocks, although only three time blocks actually exist (only three colors are used). When the 3rd Service Time begins before 23:59 and ends after 00:00 it connects with the 1st Service Time to form a ring.

To change the Service Times:

In the **1st/2nd/3rd Serv Time** list, select the hour to start the service.

Or

Drag the borders between the time blocks to change time settings.

The setting in the **1st/2nd/3rd Serv Time** list is automatically updated.

Definition

The Definition tab displays a graph defining the three time blocks.

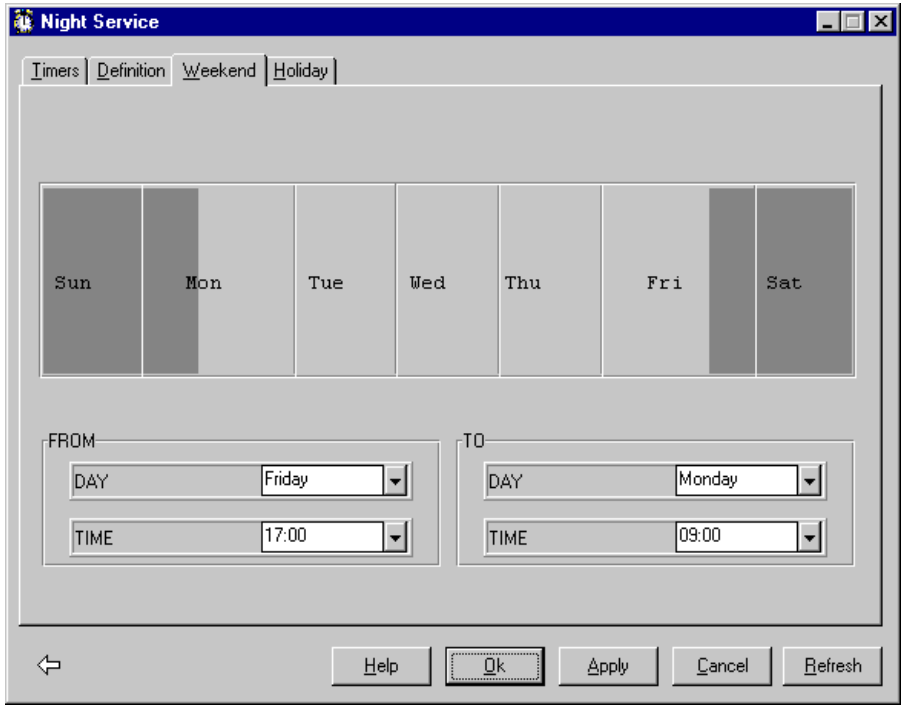
In the **From #** box, enter the type of Service Mode 0 (Day), 1 (Night1), 2 (Night2) to update and the **Night Service–Definition** parameters for this Service Mode.

Alternatively, you can click the corresponding color block to select the required service mode.

Weekend

Enter the time periods at the bottom of the window.

The window automatically updates and displays a graphic representation of the weekend times.



Night Service Form, Weekend

Holiday

To add holidays:

Click the **Add** button to define the time span of the holiday, by defining the holiday begin and end time. Continue defining the holiday by choosing the Holiday **Type Mode** and the start and end dates for the holiday on the same line.

The maximum number of holidays that can be entered is 15.

To remove holidays:

1. Highlight the Holiday line that you wish to remove.
2. Click the **Remove** button.

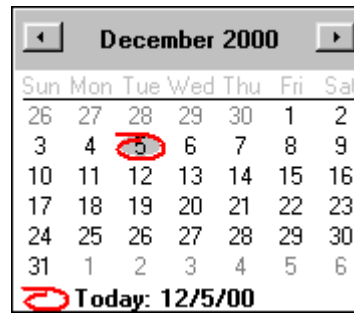
Coral Time

Coral Time form is used to set the system time, date, and offset. Use the Time tab to set the system time and date, and the Time Adjust tab to set the system offset.

To set the system time and date:

1. In the **Coral Time** box, type in the required hour or use the arrows to change hours and minutes.

2. In the **Date** box, click the down arrow. The Date Navigator appears.



3. Click the month name and then select a month in the list that opens to quickly go to another month.

   Alternatively, use the **Left** and **Right** arrows to move between months.

4. Click a date to set the system's date. A red circle marks today's date.

5. Click the year and then scroll up or down to go to another year.

Trunk

Default Configuration

The default configuration form is used to display or modify the default configuration of digital cards. This default will be applied to digital trunk cards that may be installed in the future.

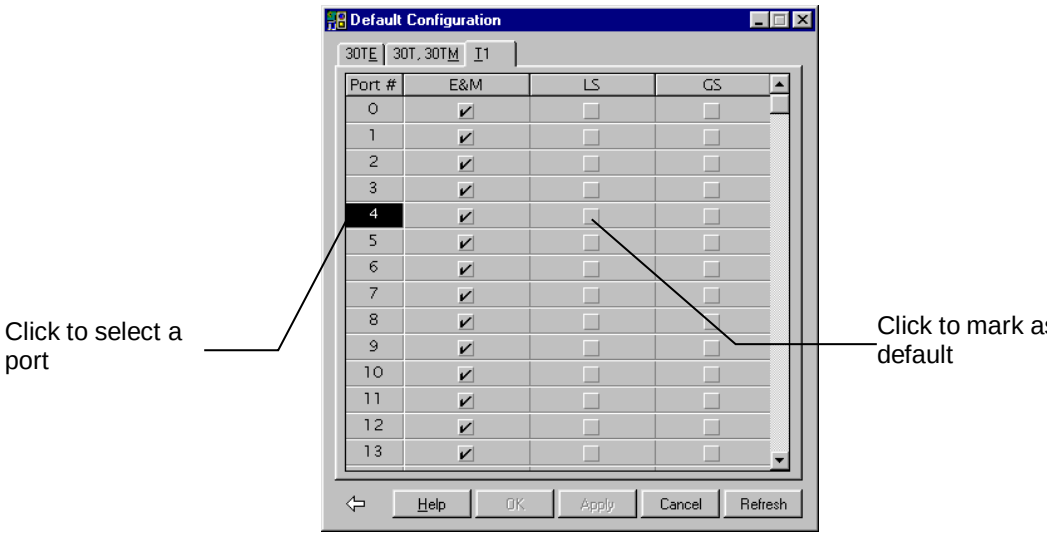
The three tabs in the Default configuration form correspond with the four digital card types: 30TE, 30T, 30TM and T1. Digital card types differ from one another in trunk types and in the number of ports.

To display or modify the default:

1. Select the tab that corresponds to the required card type.

2. Select a port, and click the box in the column of the required trunk type to mark this trunk as default.

   A check mark appears inside the box.



Digital Trunk Configuration

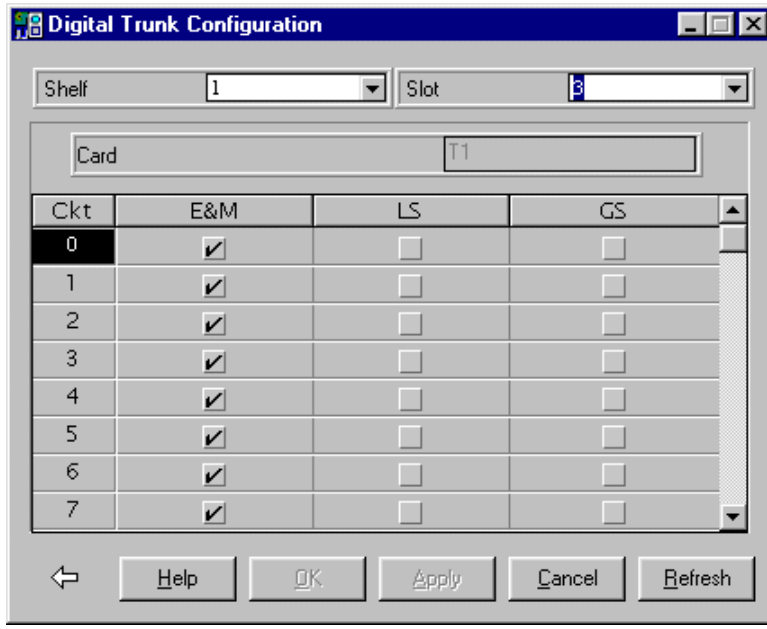
The Digital Trunk Configuration form is used to display or modify the signaling protocol for each installed digital trunk according to card location, by entering the card's physical location in the system.

The CVD only displays slots equipped with digital cards.

To display or modify trunk configuration:

1. Select a shelf and a slot. Only slots equipped with digital cards are displayed.

   The type of card is shown in the **Card** read-only field below the **Shelf** and **Slot** boxes.



2. Select a circuit (Ckt) number, and click the box under the column of the required trunk type.

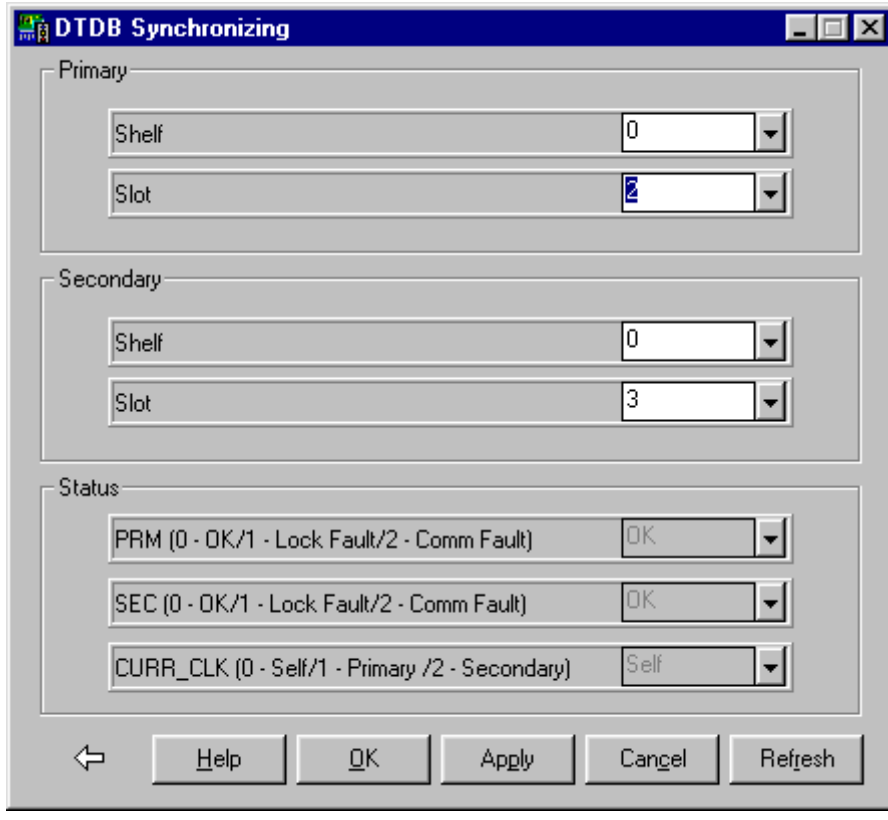
DTDB Synchronizing

The DTDB Synchronization form defines the clock reference source with which the Coral switching is synchronized. Only cards available for DTDB Synchronizing are displayed.

Under **Primary**, select shelf and slot to define the primary synchronization digital trunk.

Under **Secondary**, select shelf and slot to define the secondary synchronization digital trunk.

Under **Status**, the CVD displays synchronization parameters in read-only fields as shown in the following figure.



DTDB Synchronizing

Station

SLT Database

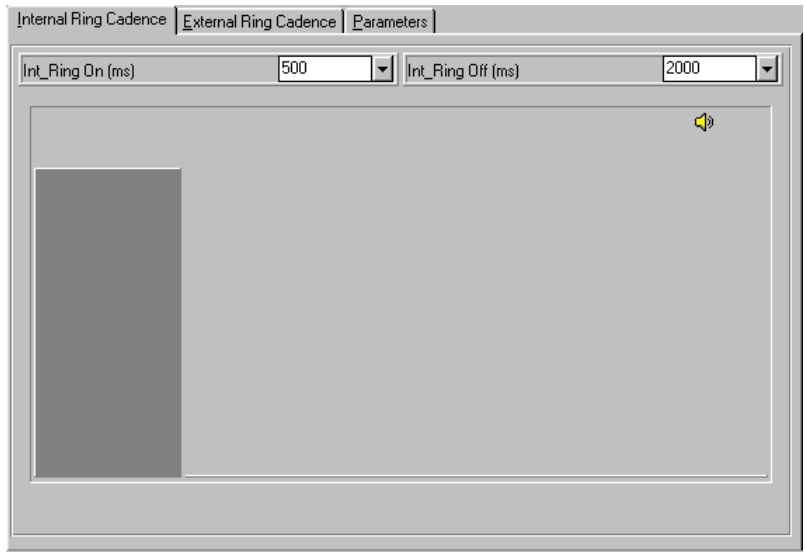
SLT Database is used to establish a database for SLT cards. There are four SLT card databases, numbered 0 to 3.

In the **Card DB #** list, type in the station card database you want to program or select a number in the list that opens.

To program internal ring cadence:

1. Select the Internal Ring Cadence tab.
2. Enter values in milliseconds in the **Int Ring On** and **Int Ring Off** lists.

   Alternatively, you can drag the Ring column left or right to decrease or increase the duration of the ring.



SLT Database, Internal Ring Cadence

3. Click the  icon to hear an example of the ring cadence.

To program external ring cadence:

1. Select the External Ring Cadence tab.

2. External ring cadence is composed of three ring cycles, each can be programmed separately by entering values (milliseconds) in the **Ext Ring On 1/2/3** lists and the **Ext Ring Off 1/2/3** lists respectively.

   Alternatively, you can drag the corresponding Ring columns left or right to increase or decrease the duration of the ring cycles.

3. Click  to hear an example of the ring cycles cadence.

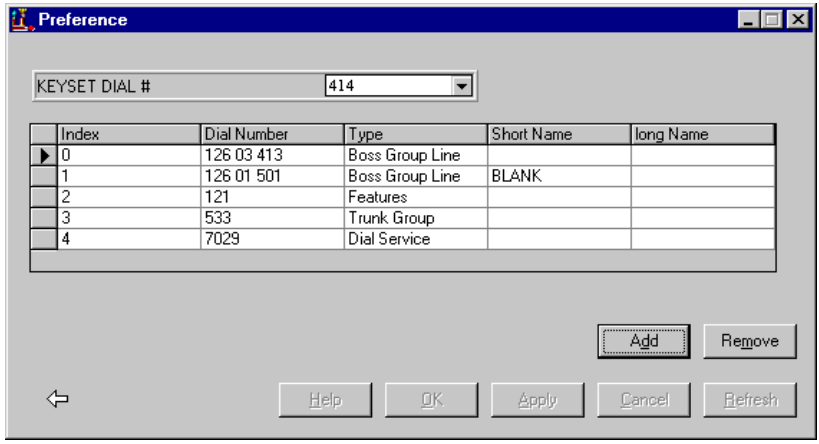
To program SLT database parameters:

1. Select the Parameters tab. The SLT Card database parameters define various timers and features for the different SLT Card Databases.

2. Enter value into the parameter box or select a number in the list that opens.

Keyset Preference

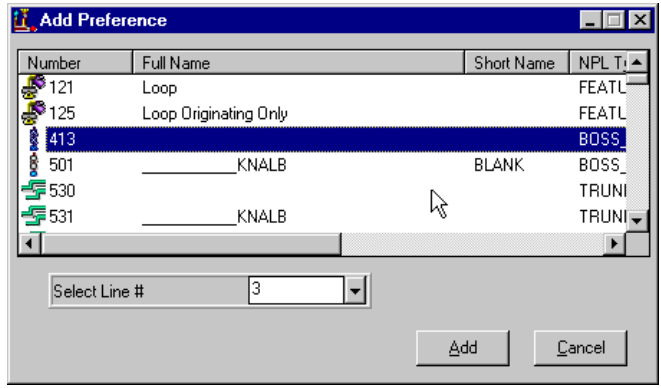
The Keyset Preference form is used to define preference destinations of each keyset in the system. Enter the keyset dial number or select a number in the **Keyset Dial Number** listbox. A list of preference destinations (if already defined) appears in the form.



Preference Form

To add a destination to the Preference list:

1. Click **Add**. The Add Preference dialog box appears.



Add Preference Dialog Box

This dialog box presents a list of Preference programming options: any system trunk number, trunk group number, routing access number, dial service number, phone loop feature, loop originating only feature or boss group number (only numbers in which the station is a member).

2. Select an item.

   If you selected a boss group number, then you are required to select a line number. The range of this parameter is pertinent to the selected boss group.

3. Click **Add** to close the dialog box and add the item to the Preference list.

To remove a destination, select the destination line you want to remove and then click the **Remove** button.

DLIS

The Digital Port List parameters identify individual digital ports on a Digital Terminal or Telephone Peripheral card: 8SKD, 8SVD, 8SDT, 8 SFT, 8SDTsl, 8D8Ssl, 16SDT, 16SFT, 16SDTsl, 16SKD, 24 SDT or 24SFT.

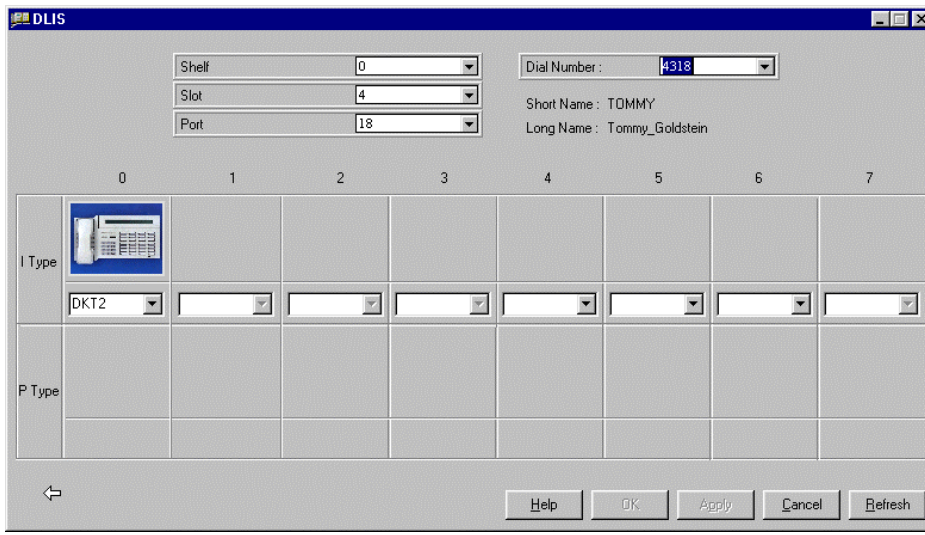
The DLIS parameters can be accessed by either:

- selecting the Shelf #, Slot # and Port #

  Or

- by entering a Dial Number

Only valid Shelf, Slot, Port and Dial numbers are available in the listbox. The following figure is an example of a DLIS form.



DLIS Form

An **I Type** box and a **P Type** box represent each external device (numbered 0 to 7) connected to the port.

- **P Type** (for display only): identifies the external device type, which is currently installed and located in the designated ID. A figure of the presently installed device type appears in the P Type box.

- **I Type:** identifies the external device type initialized (the external device identified by the system, but not necessarily installed) in the designated ID.

To change the I Type of external devices:

Click the listbox under the picture of the external device and select a new device in the list that opens.

Select **Remove** in the list to remove the device.

DPEMs can be entered in logical locations 4 to 6 on the internal bus, and only for specific keyset types. The DPEMs must be entered sequentially.

Keyset Button Programming

Use Keyset Button Programming to adapt the keyset to the user's personal and professional needs. Features can then be activated or deactivated at the press of a programmed button. Features requiring feature destinations, such as Divert Call can also be programmed on a keyset button for immediate activation of the feature.

The number of programmable keys varies according to keyset type. All keysets include four Fixed System keys, numbered F1 to F4 (located on the lower left-hand corner of the keyset) that are defined system-wide. Changing the programming for one of the Fixed System keys at any station will automatically update this button system-wide.

Keyset Button Programming, GKT

Place the mouse pointer over one of the programmable keys. A ToolTip appears showing the content of the button and its dial number.

The button label is generated automatically by the CVD and indicates the programming content of this button. For example:

- Stations station name if available or station number
- Feature abbreviated feature name
- Network number the string Net #
- Trunk Group name if available or trunk group number

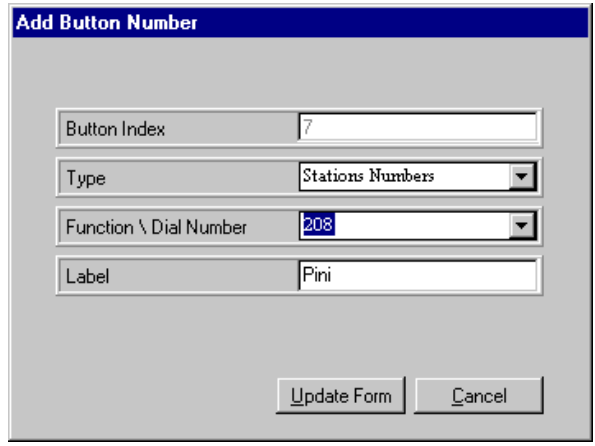
To program buttons:

1. Right-click a button and then select the required option in the shortcut menu that opens. These options include:

Option	Description
Add New Number	To program a button that has not been defined previously. This option is only available if the button is not already programmed.
Clear Content	Clears the content of the button.
Edit Number	Updates the current programmed content of the button.
Copy Button	Copies the current programmed content of the button.
Paste Button	Pastes the copied content to a different button.

You can also click an empty button to open the Add Button Number dialog box, or click a pre-programmed button to open the Edit Button Number dialog box.

Icons of DPEMs connected to this keyset appear above the keyset picture, click the required DPEM icon to display a picture of DPEM button programming.



Add Button Dialog Box

2. In the **Type** listbox, select an NPL type.

   If the selected type is Network Numbers, a **Range** listbox appears to let you select a range within the network numbers.

3. In the **Function/Dial Number** listbox, type in the dial number of a feature or a station, or select a number in the list that opens.

   The label of this function/dial number automatically appears in the **Label** box.

4. Click **Update Form** to update the Keyset Button Programming form.

5. To change stations within the Keyset Button Programming form, select a new station number in the **Station** listbox.

6. To print button labels, click the  icon at the top right-hand corner of the form.

   Special paper with perforated button labels, (CN 7244-7400406: *DKT Blank Labels*) can be acquired from the manufacturer.

Timers

The Timers form is used to define Coral timers. Timers are distributed over four tabs as follows:

- **Station Timers** defines timers for all the system stations.
- **Feature Timers** defines timers for all the system features.
- **Keyset Timers** defines the timers that relate to keyset stations only.
- **Cadence** defines the keyset ring cadences.

To define keyset ring cadences:

1. In the Cadence tab, click the **Cadence #** listbox and select a number from 0 to 7.

   The default cadence is 4.

2. Define the On and Off periods for each cadence level by dragging the corresponding Ring column left or right.

3. Click the  icon at the top right-hand corner of the form to hear the ring cadence.

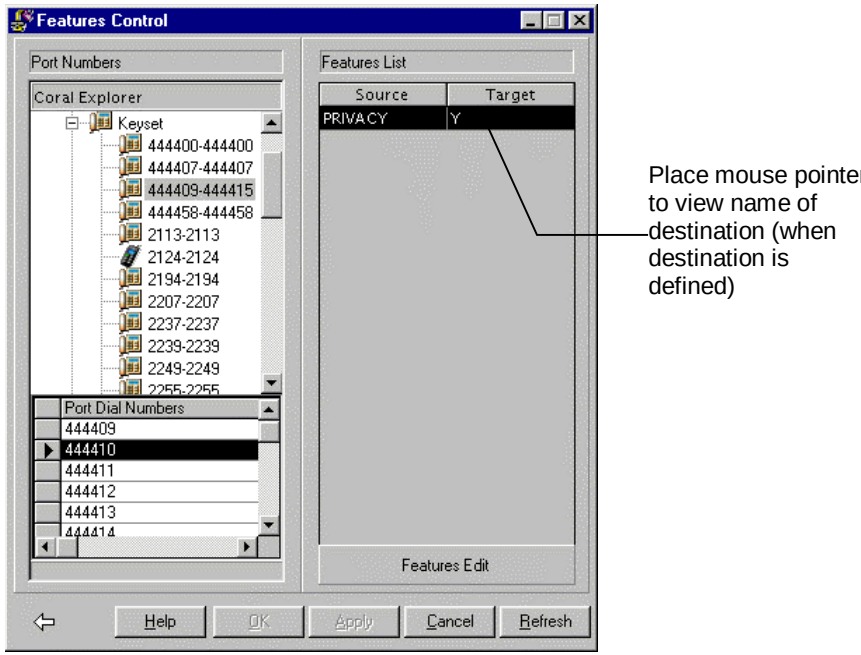
Features Control

The Features Control form allows modifying the features list of dial numbers that can be activated from either the CVD or from the Attendant Console. Dial numbers include trunks, SLT stations, keyset stations, Hunt Groups, and Boss Groups.

To program features:

1. Under **Port Numbers**, select the dial number type and range.

   Available dial numbers for the selected type and range appear in the **Port Dial Numbers** list below.



Features Control Form

2. In the **Port Dial Numbers** list, select the required dial number.

   Currently programmed features appear on the right, under the **Features List**.

The **Features List** divides into two columns:

Source—displays the name of the feature.

Target—displays the destination dial number for features with destination. Place the mouse pointer over this target to view the destination name.

3. Click **Features Edit** to add, remove, or update features as follows.

To add features:

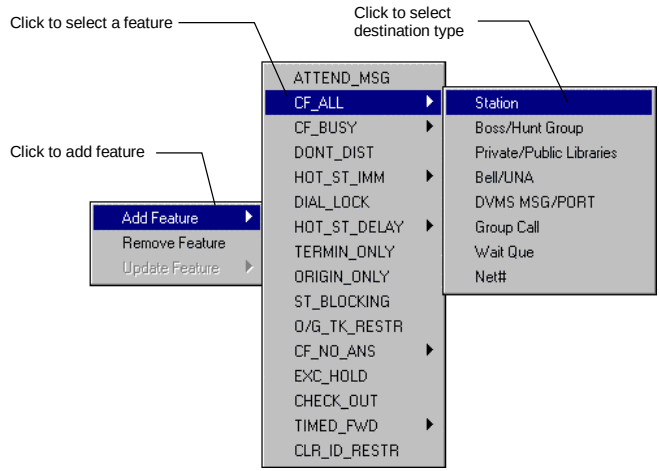
1. Click **Features Edit** and select **Add Feature**.

   A list of features appears. The list is pertinent to the type of dial number selected in the **Port Numbers** list.

2. Click the required feature.

   The feature is added to the **Features List**.

   If the feature you selected requires a destination, a list of destination types appears. This is illustrated in the following figure.



Add Feature Options

3. In the destination type list that opens, select a destination type.

   The Destination Numbers dialog box appears.

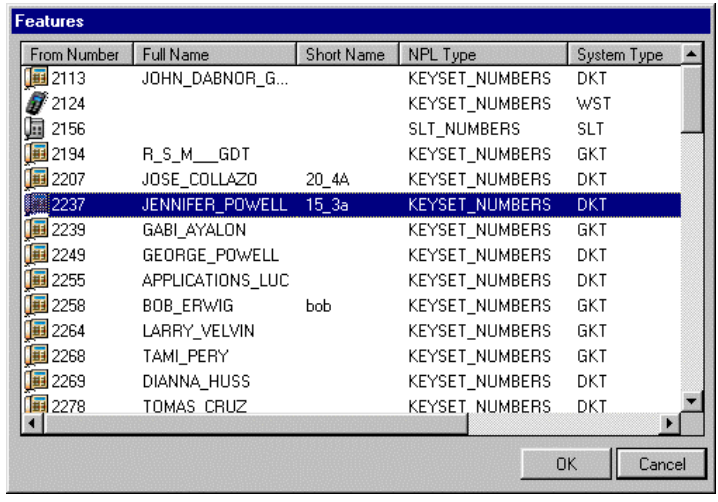


Figure 9. Destination Numbers Dialog Box

This dialog box lists in columns all the destination dial numbers available for the selected destination type along with Names, NPL Type, System Type, and Location (Shelf, Slot, Ckt).

- Click column headings to sort columns in ascending or descending order.
- Click and drag column headings to change width of columns.

4. Select a destination dial number.

5. Click **OK** to apply the destination number and to add the feature to the **Features List**.

To remove features:

1. Select the required feature in the **Features List**.
2. Click **Features Edit** and then select **Remove Feature** in the list that opens.

   The selected feature is removed from the list.

To update features:

1. Select a feature with destination in the **Features List**.
2. Click **Features Edit** and then select **Update Feature** in the list that opens.
3. Click the name of the feature that appears.

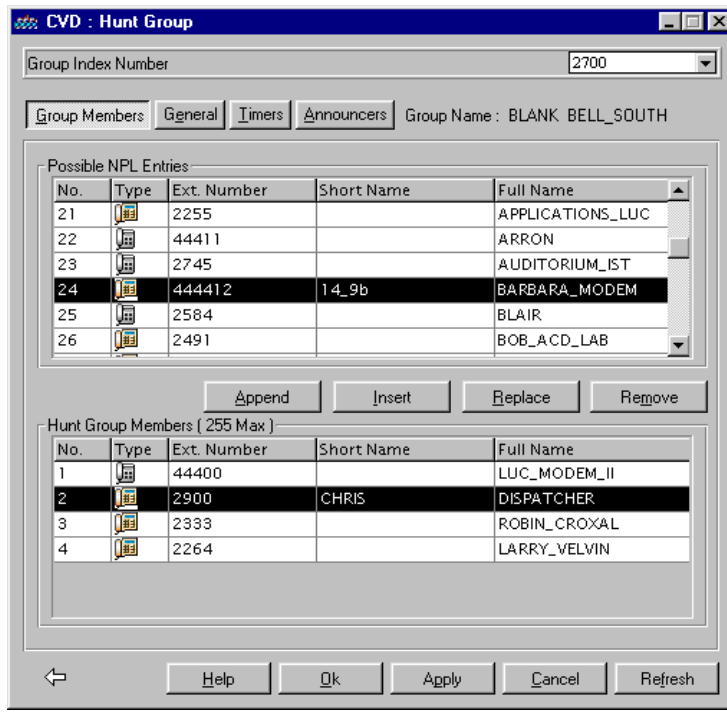
   A list of destination types appears.
4. Select the required destination and then select the destination dial number in the Destination Numbers dialog box (see Figure 9).
5. Click **OK** to close the dialog box and apply the new destination.

Groups

All the group forms follow the same conventions as described in the Hunt Group section.

Hunt Group

By default, the Hunt Group form opens in the Group Members tab, in which you can define the hunt group members.



Hunt Group Form, Group Members

The Group Members tab is composed of two tables:

- **Possible NPL Entries**—this table lists all the NPL entries available to be members in the Hunt Group.

  Right-click anywhere in the **Possible NPL Entries** table to search the entire table. Click **F3** to find the next item.

  Select a column and then right-click to access the following options:

  - Sort Ascending–sorts the table in ascending order according to the selected column.
  - Sort Descending–sorts the table in descending order according to the selected column.

- **Hunt Group Members**—this table lists all the members in the hunt group.

To add members to the Hunt Group:

1. Select an NPL entry in the **Possible NPL Entries** table.
2. Select a group member in the **Hunt Group Members** table.
3. Do one of the following:

   - Drag the NPL entry over to the **Hunt Group Members** tables and drop it in the required location.

   Or

   - Click either **Append** or **Insert**.

     Append adds the selected NPL entry as the last member of the list.

     Insert adds the selected NPL entry before the selected group member.

To remove members from the Hunt Group:

Select a group member in the bottom list and click **Remove**, or click the **Delete** keyboard key.

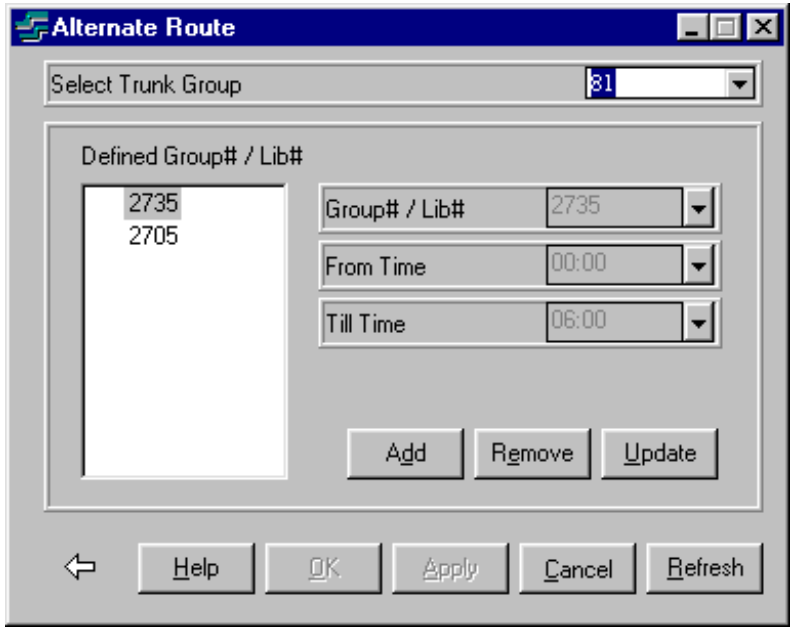
To replace members in the group:

1. Select an NPL entry in the **Possible NPL Entries** table.
2. Select a group member in the **Hunt Group Members** table.
3. Click **Replace**. The NPL entry replaces the selected group member.

In the Announcers tab, the announcers range includes only SLTs in which the announcer parameter is set to Yes.

Alternate Route

The Alternate Route form is used to determine the outgoing call route when all the trunks of a selected trunk group are busy.



Alternate Route Form

To add routes:

1. Click **Add**.

   A number is added to the **Defined Group#/Lib#** list.

2. Select a different number in the **Group#/Lib#** box, if this is not the required number.

3. Set the route active time in the **From Time** and **To Time** lists.

To update routes:

1. Select a route and click **Update**.

   The  icon appears next to the route.

2. In the **Group#/Lib#**, **From Time**, and **To Time** boxes, change values as required.

To remove routes:

Select the required route and click **Remove**.

LCR/ARS

The LCR/ARS form is used to define routings in the Coral system. This form distributes LCR/ARS information over seven tabs as follows:

- General Definitions
- Dial Services
- Elements
- NPL
- Route Translators
- COS
- System Parameters

You can access each tab directly from the LCR menu on the menu bar.

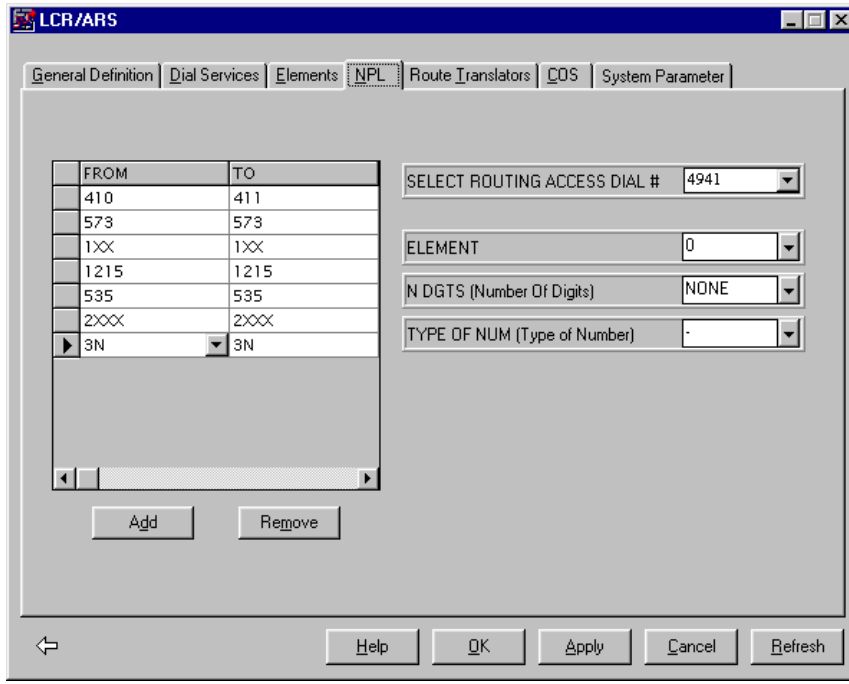
In the NPL tab, you can add and remove dial sequences.

To add a dial sequence:

1. Click **Add**. An empty line is added at the bottom of the list.
2. Click inside the cells of the new line and select items in the list that opens.

   If you select an item combined with NPX characters in the From column, the To column is disabled.

To remove dial sequences, select the required dial sequence and click **Remove**.



LCR/ARS Form, NPL

ISDN

BCCOS & NSF

The BCCOS & NSF form defines the communication characteristics of incoming and outgoing ISDN trunks, and defines services provided by various carriers.

The form distributes information over four tabs individually accessible under BCCOS & NSF in the ISDN menu.

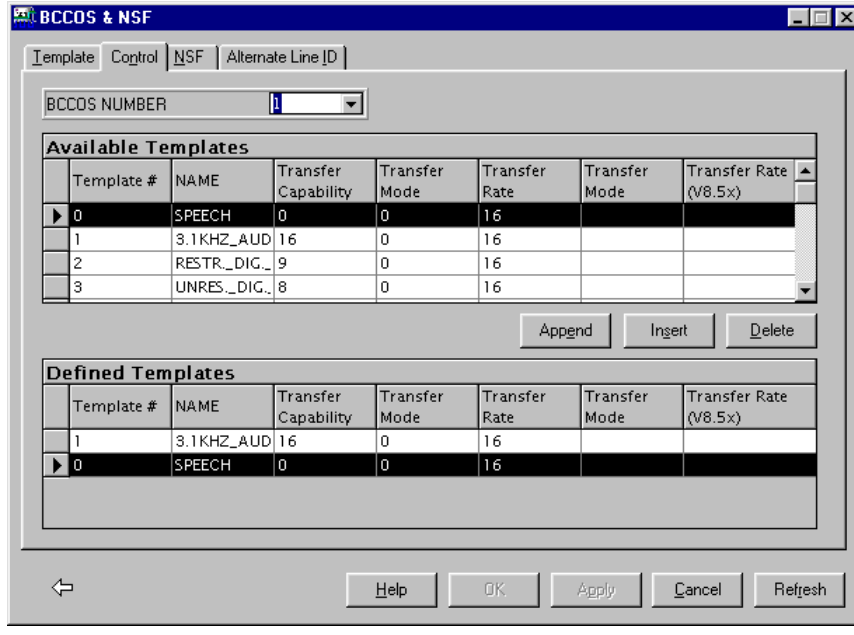
Tab	Description
Template	The templates define the values that are sent/received to/from the network to indicate requested BCCOS. There are 32 templates available, the first two are pre-programmed and cannot be modified; the remaining 30 templates are pre-programmed but can be modified.
Control	Selects the template or several templates to be included in each BCCOS. One of the templates should match the Bearer Capability values sent by the network.
NSF	NSF (Network Specific Facility) defines the services provided by various carriers. The NSF is required to implement Dial Services. TO change an NSF value, click in the required table cell under the Parameter 1 column, then click the down arrow and select a new value in the list that opens.
Alternate Line ID	Allows sending an alternate Automatic Number Identification (ANI). Also known as Calling Party Number (CPN).

To modify BCCOS:

1. In the Control tab, select a BCCOS number.

   Under **Available Templates**, all the 32 templates appear.

   Under **Defined Templates**, appear templates defined for the selected BCCOS number.



BCCOS & NSF Form, Control Tab

2. Add templates to the **Defined Templates** list in one of the following ways:

   - Select a template in the **Available Templates** list and drag it to the **Defined Templates** list.
   - Select a template in the **Available Templates** list and click **Append**. This adds the selected template to the end of the **Defined Templates** list.

- Select a template in the **Available Templates** list and click **Insert**. This adds the selected template before the highlighted template in the **Defined Templates** list.

ISDN Signaling Channel

The PRI and BRI card signaling parameters identify individual D-Channels on an ISDN card.

Access parameters by entering the physical location of the card (Shelf and Slot) or the index number called Signaling Channel assigned to the card. In both cases, the displayed information is identical except for the order of appearance.

Open the form by selecting the required method Signaling Channel or Card Location in the ISDN Signaling Channel option, under the ISDN menu.

- If you open the form in Card Location, enter values in the Shelf, Slot, and DSL boxes (only PRI and BRI card are available).

  The CVD collects the information according the location you entered, the signaling channel is displayed in read-only field.

- If you open the form in Signaling Channel, select the required number in the Signaling Channel box.

  The CVD collects information according to the channel that you entered, the physical location is displayed in read-only fields.

While you are in one of the modes, you can switch to the other mode by clicking either **Signaling Channel** or **Card Location** buttons, which ever is active.

Hotel

Hotel

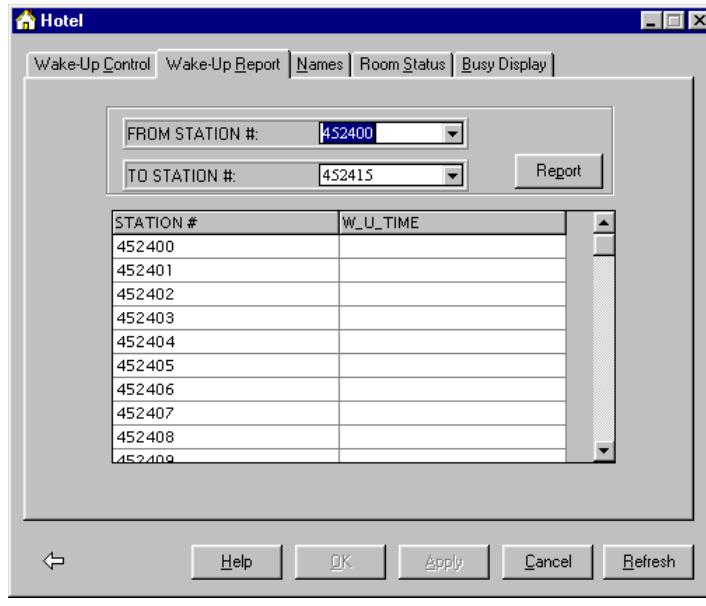
The Hotel form is divided into five tabs:

- Wake-Up Control
- Wake-Up Report—this tab is used to retrieve Wakeup information of hotel rooms.
- Names
- Room Status
- Busy Display

To generate a Wakeup report:

1. Select the Wake-Up Report tab.
2. Enter the range of the report in the **From Station #** and the **To Station #** boxes.
3. Click **Report**. The CVD starts loading data from the Coral. During this process, a Loading Data message is displayed.

   When loading of data ends, information appears at the table below. This table includes the station number on the left-hand column and the required wakeup time on the right-hand column as shown in the following figure.



Hotel Form, Wake-Up Report

SMDR

The SMDR (Station Message Detail Recording) form is used to set SMDR parameters. The form distributes information over four tabs individually accessible from the **SMDR** option in the **Hotel** menu.

Tab	Description
Control	SMDR control is used to set the SMDR report display, storage, and call data requirements to generate a record. Click required parameters and select values in the list that appears.
Format Parameters	Allows you to define which information (parameter codes) will be shown in the On-Line report. Place the mouse pointer over any parameter code to view a description of this parameter in the adjacent box. Check parameters that you want to include in the report, uncheck parameter that you want to exclude from the report.
Auto On-Line	Sets the periods at which the system generates SMDR On-line reports for outgoing calls (available only if **Display Out** is set to No). Click required parameters and select the values in the list that appears.
Charge	To display and reset the charges, or charge individual stations. Select an individual station or a range of stations, and click **Report** to generate the charge report. **To reset charges for a station:** 1. Click in the relevant table cell under the **Charge** column. 2. Click the down arrow that appears, and select **Reset** in the list that opens.

Network

Node NPL

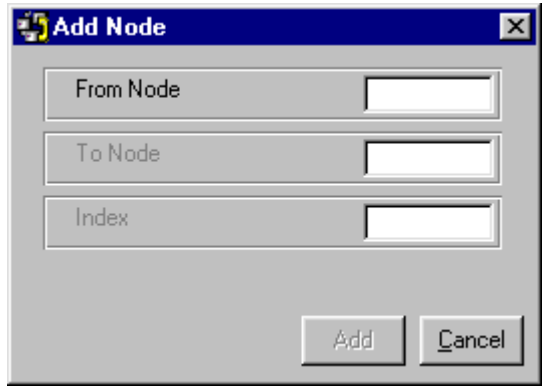
Node NPL is a numbering plan unique to the network nodes. It operates similarly to the General Numbering Plan but deals with manipulating network nodes and **NOT** their dial numbers. The dial numbers are manipulated as usual in the General Numbering Plan.

The Network node number is limited to eight digits and is not displayed on the keyset.

In the Node NPL form you can add, delete, and edit network nodes.

To add a network node:

1. Click **Add**. The Add Node dialog box appears.



Add Node Dialog Box

2. Enter information in the **From Node**, **To Node**, and **Index** fields. Note that you must work your way from top to bottom in order to be able to enter information in lower fields.

3. Click **Add** to add the new node to the Node NPL table.

To delete a network node:

1. In the Node NPL table, select a node. The pertinent row in the table is highlighted.

2. Click **Remove**. The selected node is deleted from the Node NPL.

To edit a node's properties:

1. Click inside the table cell of the node you want to edit.

2. Delete the old value and type in a new one.

3. Repeat steps 1 and 2 for other table cells of the node.

Node Contents

The Node Contents form displays information regarding nodes in the Coral network.

To view the content of a node, select it in the Node # list box. You can only view contents of nodes already defined in the Node NPL.

7. Reports

Overview

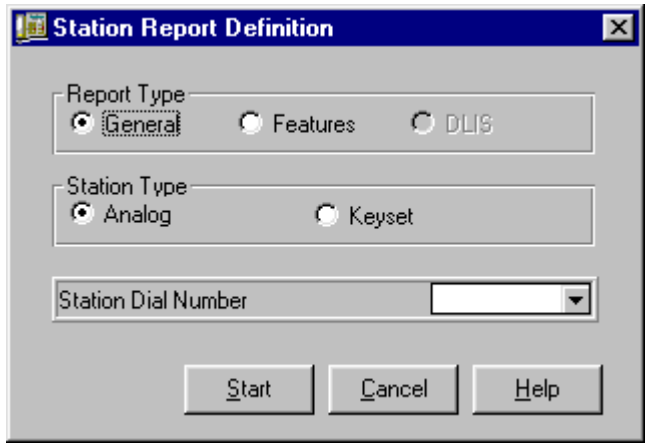
The CVD can generate a number of reports to reflect the current status of Coral configurations. Access reports via the Coral Explorer under the Reports branch, or through the Reports menu.

Reports are read-only and can be printed or exported to several file formats.

To generate reports:

1. Double-click a report in the Reports branch.

   The Report Definition dialog box appears.



Report Definition Dialog Box, Stations Report

2. Enter the required information for the report.

This usually requires selecting the type of report you want to be generated and the range of dial numbers to be covered by the report.

3. Click **Start** to start generating the report.

   Allow the Report Viewer window a few minutes to appear. The report name and its type appear in the title of this window.

Report Viewer

Click **Help** to get assistance regarding this report, or click **Cancel** to close the Report Definition dialog box without generating the report.

4. Click  to print the report, or click  to export the report into other file formats (available formats are: text, htm, and html).

   If the report spans over more than one page, use the **Left** and **Right** arrows on the bottom of the window to browse through the report pages.

The following sections describe each report in detail.

Stations

The Stations report generates three types of station reports in the Coral system.

- **General**—general information on the station.
- **Features**—general information, followed by a list of the station's features.
- **DLIS**—available only for keyset stations. General information followed by DLIS information.

The default report type is **General**.

Except for the DLIS report, which can be generated only for keyset stations, the other two reports can be generated for either keyset or analog stations.

After selecting the Report Type, select the Station Type, and the Station Dial Number.

If you do not select a specific dial number, the report is generated for all station numbers in the Coral system.

Trunks

The Trunks report generates two types of reports:

- **Details**—general information on the trunk.
- **Group Memberships**—general information followed by a detailed list of the trunk groups.

After selecting the report type, select a Trunk Dial Number.

If you do not select a specific dial number, the report is generated for all the trunks in the Coral system.

Boss Group

The Boss Group report generates six types of reports:

Report Type	Description
General	General information on the Boss group.
Trunks Directed Towards	General information followed by a list of trunks, in which this Boss group is the value of the Trunks Directed Towards parameter.
Trunks Reserved	General information, followed by a list of trunks, in which this Boss group is the value of the Trunks Reserved parameter.
Features	General information followed by a list of the Boss group features.
Night 1	General information followed by a list of trunks, in which this boss group is the value of the Night 1 parameter.
Night 2	General information followed by a list of trunks, in which this boss group is the value of the Night 2 parameter.

To generate the report:

1. Select the report type.
2. Select a Boss Group dial number.

   If you do not select a specific dial number, the report is generated for all Boss Groups in the Coral system.

COS (Class of Service)

The COS (Class of Service) generates two types of reports.

Report Type	Description
COS	COS information
Toll Patterns	COS information. In addition lists all the Toll Barrier patterns that share the selected Toll pattern number.

To generate the report:

1. Select the report type.
2. Select a COS number.

   If you do not select a specific number, the report is generated for all COS numbers in the Coral system.

Hunt Group

The Hunt Group generates five types of reports.

Report Type	Description
General	General information on the Hunt group.
Trunks Directed Towards	General information followed by a list of trunks, in which this Hunt group is the value of the Trunks Directed Towards parameter.
Features	General information followed by a list of the Hunt group features.
Night 1	General information followed by a list of trunks, in which this Hunt group is the value of the Night 1 parameter.
Night 2	General information followed by a list of trunks, in which this Hunt group is the value of the Night 2 parameter.

To generate the report:

1. Select the report type.
2. Select a Hunt Group dial number.

   If you do not select a specific dial number, the report is generated for all Hunt Groups in the Coral system.

LCR

The LCR report provides a hard copy of the entire LCR/ARS information in the Coral system.

To generate the report, select a **Routing Access** dial number and click **Start**. If you do not select a specific number, the report is generated for all Routing Access dial numbers defined in the LCR.

PLIS

The PLIS report records the information in the PLIS form. You can generate the report to sort ports by dial numbers or by physical location.

This report also provides Primary and Secondary COS information for each port.

To generate the report, select the sort criteria (Dial Number or Physical Location), and then select a range of dial numbers.

Private Libraries

The Private Libraries report provides private libraries information for selected stations. This information includes the Private Library number, the Destination number, and the Trunk number.

To generate the report:

1. Select a range of stations in the **From/To Station Dial Number** boxes.

   If you do not specify a range, the report is generated for all stations in the system.

2. Select a range of private libraries in the **From/To Lib Dial Number** boxes.

   If you do not specify a range, the report is generated for all private libraries of the selected stations.

Public Libraries

The Public Libraries report provides information on public libraries.

Additionally, you can generate the report to sort information by Name or by Dial Number.

To generate the report:

1. Select a range of public library numbers in the **From/To Dial Number** boxes.

   If you do not specify a range, the report is generated for all public libraries in the system.

2. Select the sort criteria (dial number or name).

Free NPL Numbers

The Free NPL Numbers report, lists free dial numbers in the Coral system.

To generate the report, set the report's range in the **From Number** and the **To Number** boxes.

NOTE: To reduce the time associated with calculating free dial numbers, enter a small range (between 100 to 1000). The default is the entire range of public library numbers.

8. CVD Wizards

Overview

This chapter describes how to work with the CVD wizard and then provides the flow of steps and major steps in each wizard.

Working with Wizards

Wizards, are specially adopted programs that guide you step-by-step through the processes of frequently used tasks. The wizards are useful for novice users to ensure that no step will be accidentally skipped, and for experienced users to streamline complex tasks and to save time.

All wizards feature a set of steps (windows) that require specific input. You can move freely back and forth through the wizard's steps to change your input. However, in some specific steps moving to the next step updates the Coral system. In this case, the wizard issues a warning message to let you know that moving to the next step will update the system.

Each wizard window has four buttons:

Back—returns to the previous step.

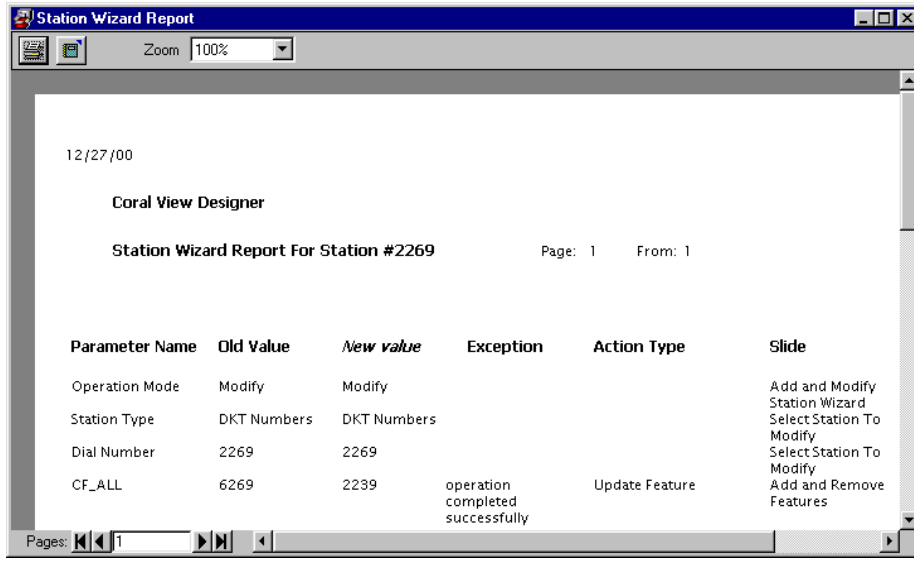
Next—continues to the next step (changes to **Finish** in the final step).

Cancel—cancels the operation and closes the wizard.

Help—gets assistance regarding the current step.

The final step of each wizard generates a wizard report that summarizes all the actions performed by the wizard.

NOTE: While working with wizards, you cannot make changes to forms.



Wizard Report Window

The information in the wizard report is distributed over six columns:

Column	Description
Parameter Name	Name of the wizard parameter
Old Value	Parameter value before running the wizard
New Value	Parameter value after running the wizard
Exception	Status of the action
Action Type	Name of the action performed by the wizard
Slide	The wizard window in which the action took place

To print the report, click the  icon.

To export the report, click the  icon and then select the type of file format (text or html).

To view other pages of the report, use the arrows on the bottom of the window.

Add/Modify Station Wizard

This wizard allows adding and modifying stations in the Coral system. Figure 10 and Figure 11 illustrate the flow of windows in the Add/Modify Station wizard.

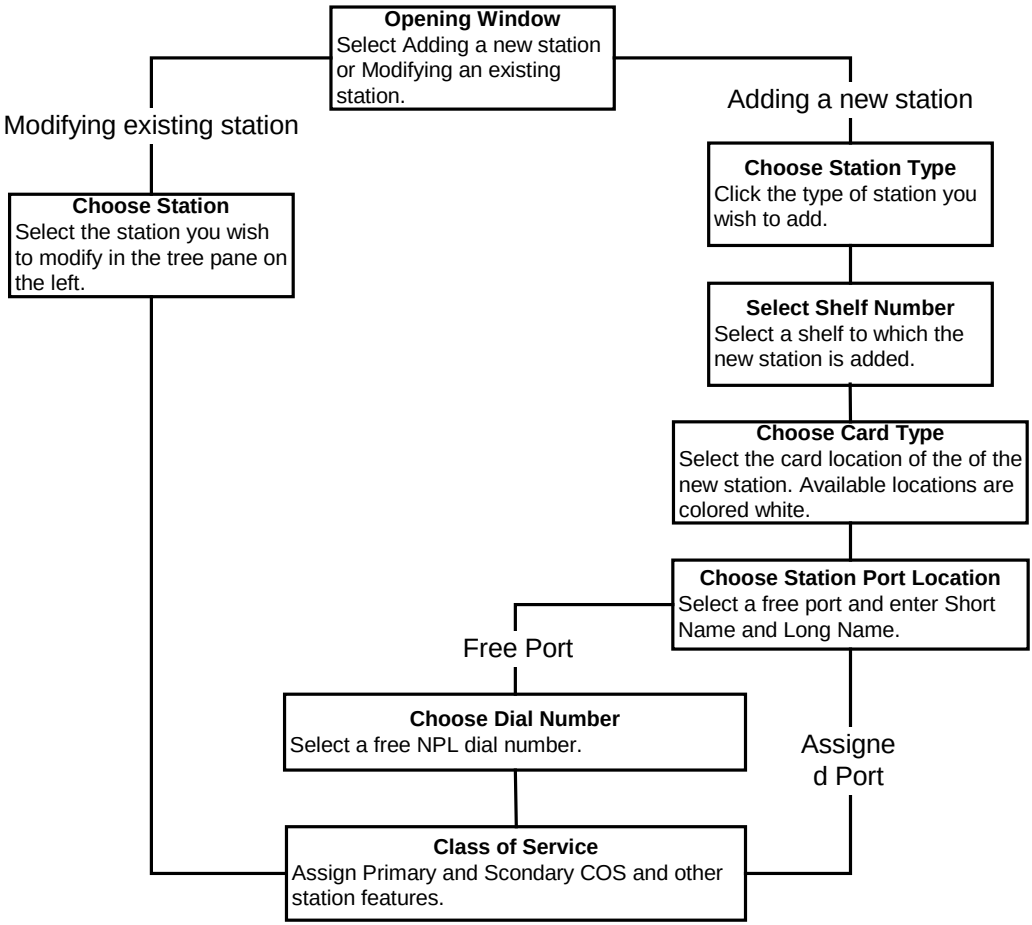


Figure 10. Add/Modify Station Wizard

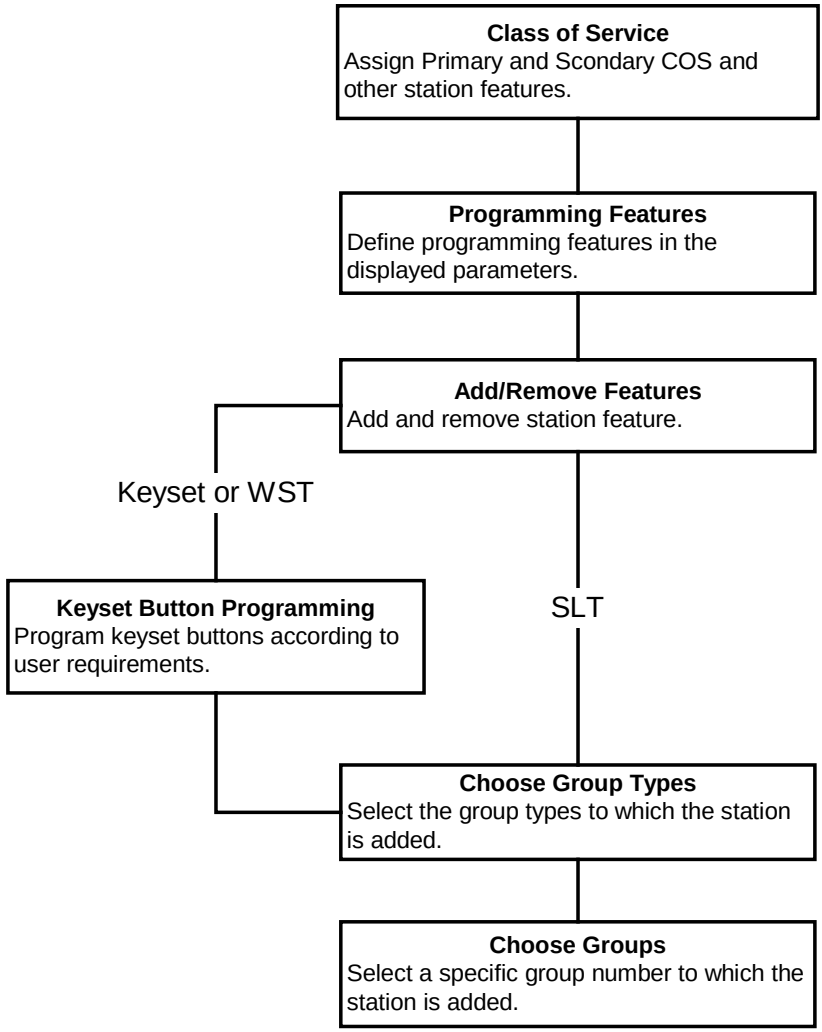


Figure 11. Add/Modify Station Wizard, Continue

The following sections describe some of the Station wizard steps in greater detail.

Choose Dial Number

In this step, you are required to select a free dial number from the Coral NPL.

1. Enter a range of dial numbers in the **From Number** and **To Number** fields. To reduce the time associated with calculating free dial numbers, enter small ranges (between 100 to 1000). The default is the entire range of station dial numbers.

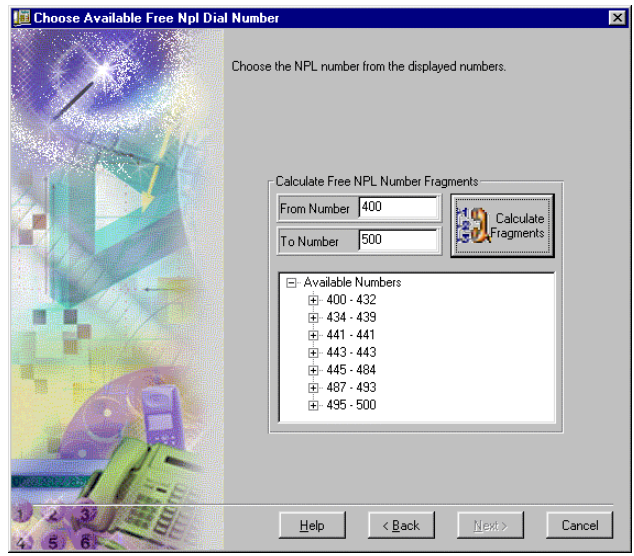
2. Click **Calculate Fragments**.

   Allow the wizard a few seconds to calculate free dial numbers within the specified range. This is indicated by a progress bar at the bottom of the window.

   Free dial numbers are displayed in a list, as shown in the figure below.

3. Select one of the free dial numbers and click **Next** to update the Coral system with the new dial number.

   A suitable message appears.

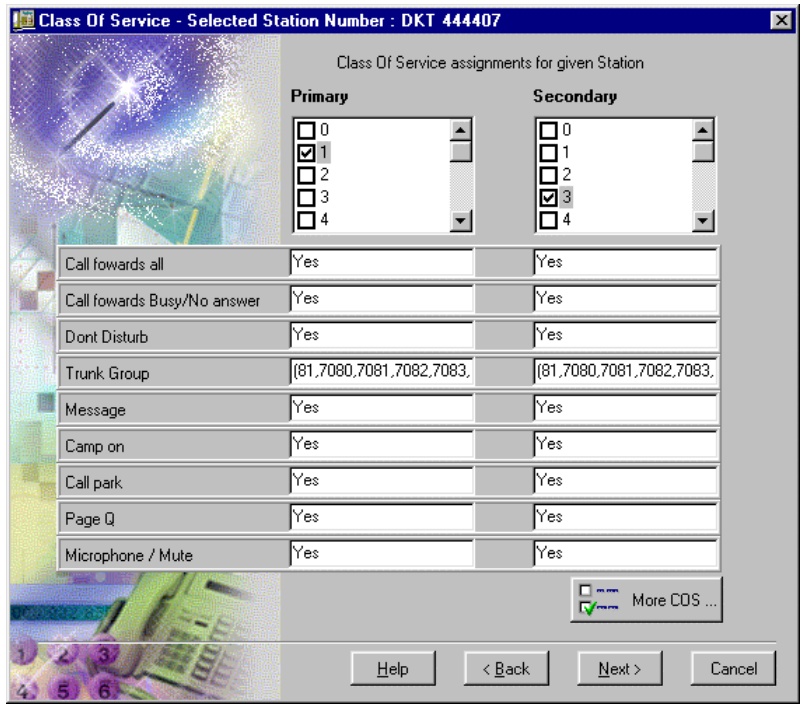


Station Wizard, Choose NPL Dial Number

Class of Service

In this step, select Primary and Secondary COS numbers in the required boxes. The table of features changes according to the COS number selected.

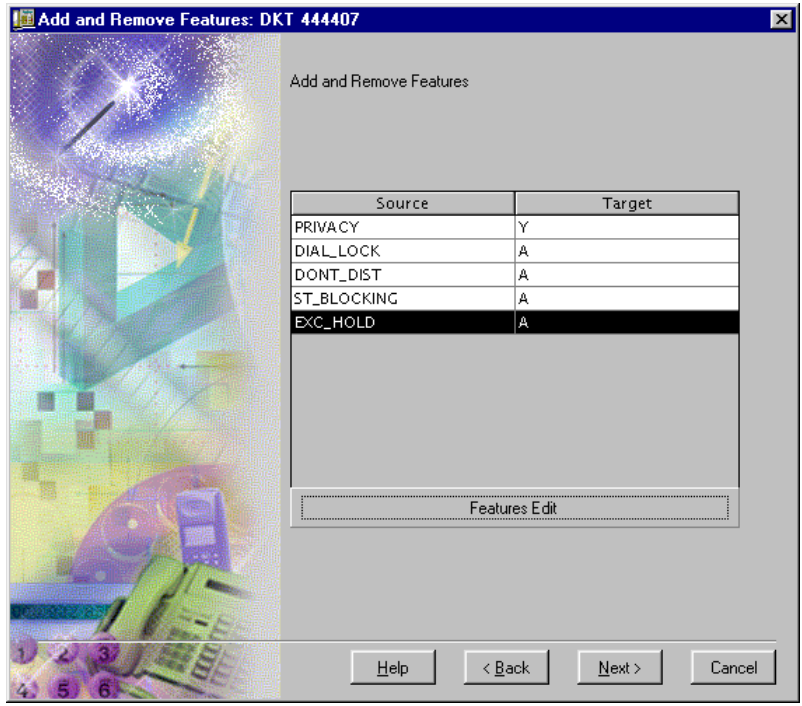
Click **View COS** to display the parameters of the selected COS in a read only window.



Station Wizard, Class of Service

Add/Remove Features

This step allows adding, updating, and removing station features.
For more information on this step, see “Features Control” on page 6-47.



Station Wizard, Add and Remove Features

To add features:

1. Click **Features Edit** and select **Add Feature**.

2. Select the required feature from the list that appears.

   A small, black triangle next to the feature's name indicates that this feature requires a destination.

3. Click the feature and select the required destination from the list that appears.

   The selected feature is added to the list of features.

To update features:

1. Select a feature with a destination. Features with destination have the destination number showing under the **Target** column in the features list.

2. Click **Features Edit** and select **Update Feature** from the list that appears.

   A list of possible destinations appears.

3. Select the required destination and click **OK**.

   The feature is updated to reflect the new destination.

To remove features:

1. Click **Features Edit** and select **Remove Feature**.

2. Select the required feature fromthe list that appears. The feature is deleted from the list of features.

Keyset Button Programming

This step allows programming of buttons in keyset stations (this step is not available for SLT stations).

Station Wizard, Keyset Button Programming

To program buttons:

1. Click the required button. This can be a free button or a previously programmed button.

   Accordingly, the Add/Edit Button Number dialog box appears.

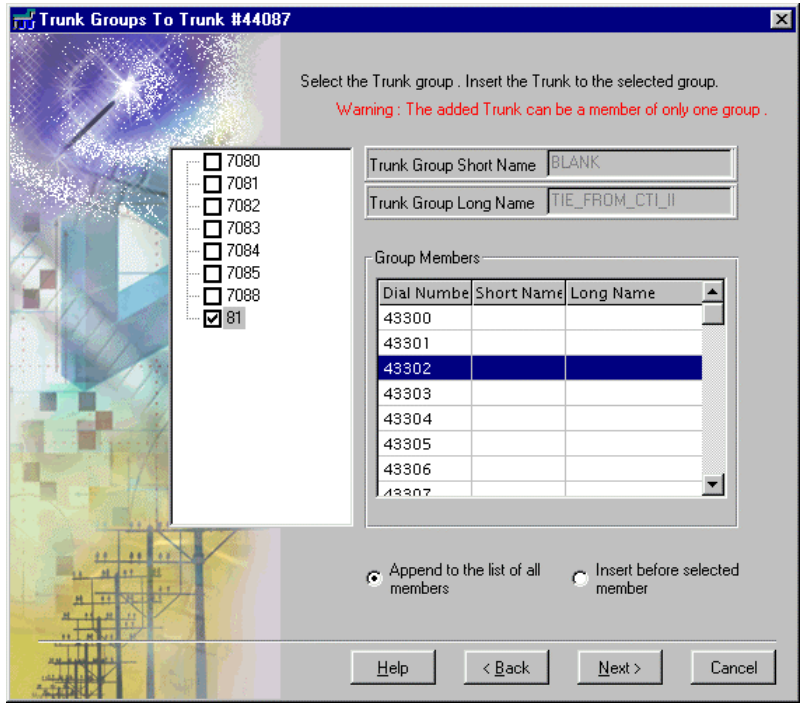
2. Enter information in the Add/Edit Button Number dialog box, and click **Update Form** to apply the programming.

3. Repeat Steps 1 and 2 for all the buttons you want to program.

For more information on the Keyset Button Programming window, see "Keyset Button Programming" on page 6-43.

Add to Group

In this step, the wizard searches for station memberships in all the groups of the selected group type. These groups appear in the list on the left-hand side of the window.



Station Wizard, Add to Group

- If the station is a member of one of the groups, the wizard highlights this group and displays the group dial numbers under the **Group Members** list.

  Remove the station from this group and continue with the search.

  Or

  Click **Next** to continue to the next step.

- If the station is not a member in any of the groups, no dial numbers are displayed.

Select a group and click:

Append, to add the station to the end of the list.

Or

Select a dial number in the **Group Members** list, and click the **Insert** option to add the station before the selected member.

Add/Modify Trunks Wizard

This wizard allows adding and modifying trunks in the Coral system. Figure 12 and Figure 13 illustrate the flow of steps in the Add/Modify Trunks wizard.

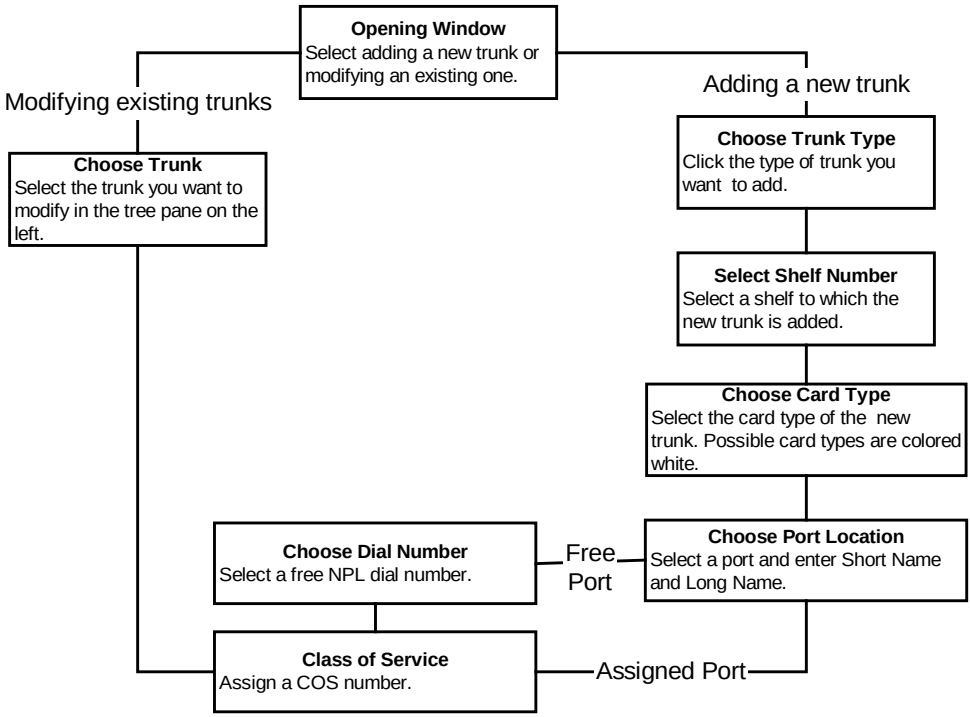


Figure 12. Add/Modify Trunks Wizard

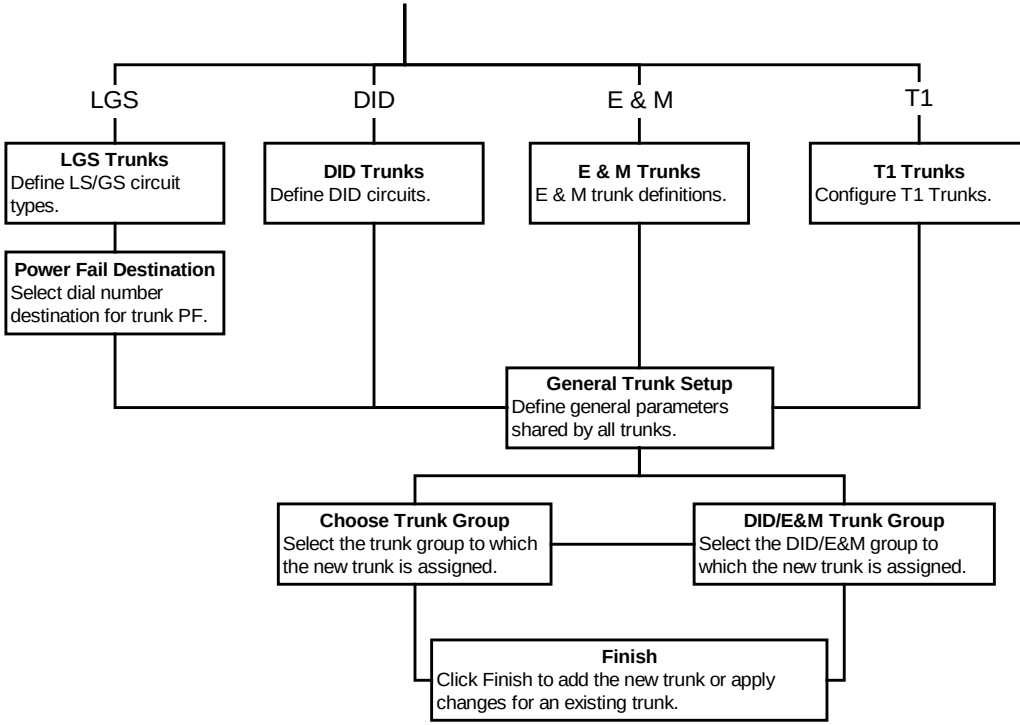


Figure 13. Add/Modify Trunks Wizard, continued

The following sections describe some of the Trunk wizard steps in greater detail.

Choose Trunk

In this step, select the trunk that you wish to modify. The following list will help you to select the required trunk.

Option	Includes the following trunks:
T1 Trunks	All trunks on T1 cards in the system.
Analog LGS Trunks	All trunks of LGS type, including analog cards and circuits on digital trunks (T1).
E&M Trunks	All trunks of E&M type on analog cards, not including E&M trunks on T1 cards.
DID Trunks	All trunks of type DID.

Choose Dial Number

In this step, you are required to select a free dial number from a pre-selected list of Coral NPL dial numbers.

1. Enter a range of dial numbers in the **From Number** and **To Number** fields. To reduce the time associated with calculating free dial numbers, enter small ranges (between 100 to 1000). The default is the entire range of trunks dial numbers.

2. Click **Calculate Fragments**.

   Allow the wizard a few seconds to calculate free dial numbers within the specified range. A progress bar at the bottom of the window indicates this.

   Free dial numbers appear in the list at the bottom.

3. Select one of the free dial numbers, and click **Next** to update the Coral system.

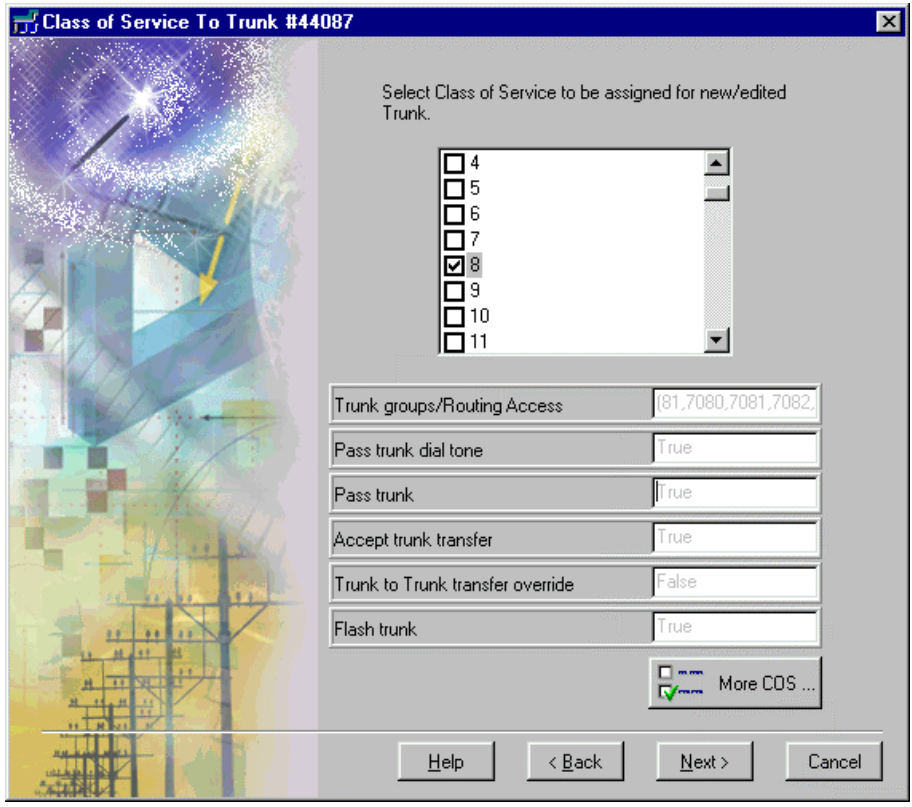
   The Coral NPL is updated to reflect the new dial number and a pertinent message appears.

NOTE: After this step, the new dial number remains in the Coral database even if you do not complete the wizard.

Class of Service

In this step, assign a COS number by clicking the required box. The parameter values change accordingly.

Click **More COS** to display a read-only window with all COS parameters associated with the selected COS number.

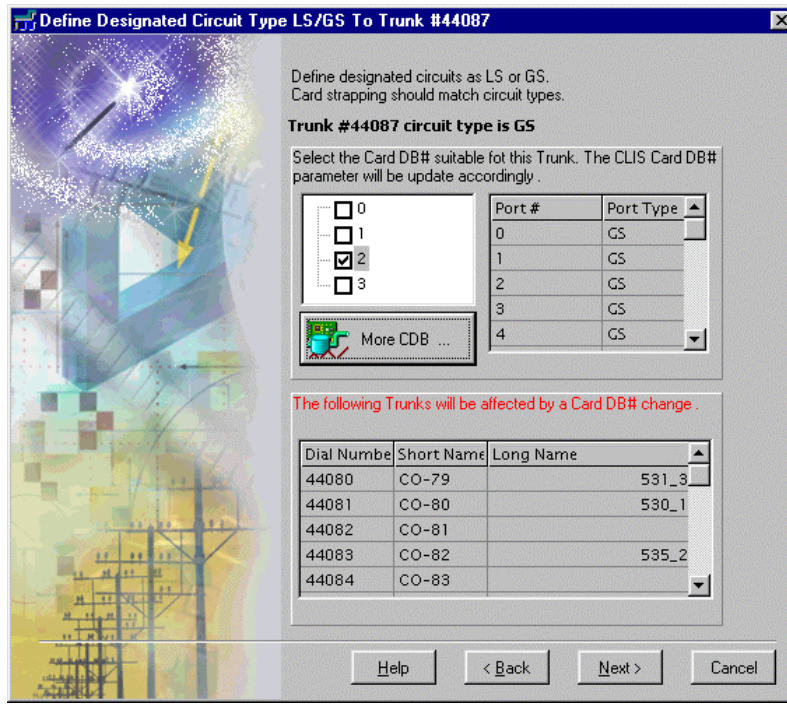


Trunks Wizard, Class of Service

Choose LS/GS Circuit Type

This step allows defining trunks as LS or GS and is available only for trunks that originate from LS/GS ports of the relevant cards.

By default, each trunk is already defined according to the Card DB and changes according to the selected Card DB number. The trunk's current type is stated in bold typeface (in the figure below it is GS).



Trunks Wizard, Choose LS/GS Circuit Type

To change the trunk type, click one of Card DB boxes numbered 0 to 3. The complete port mapping of the selected Card DB number, appears in the table on the right.

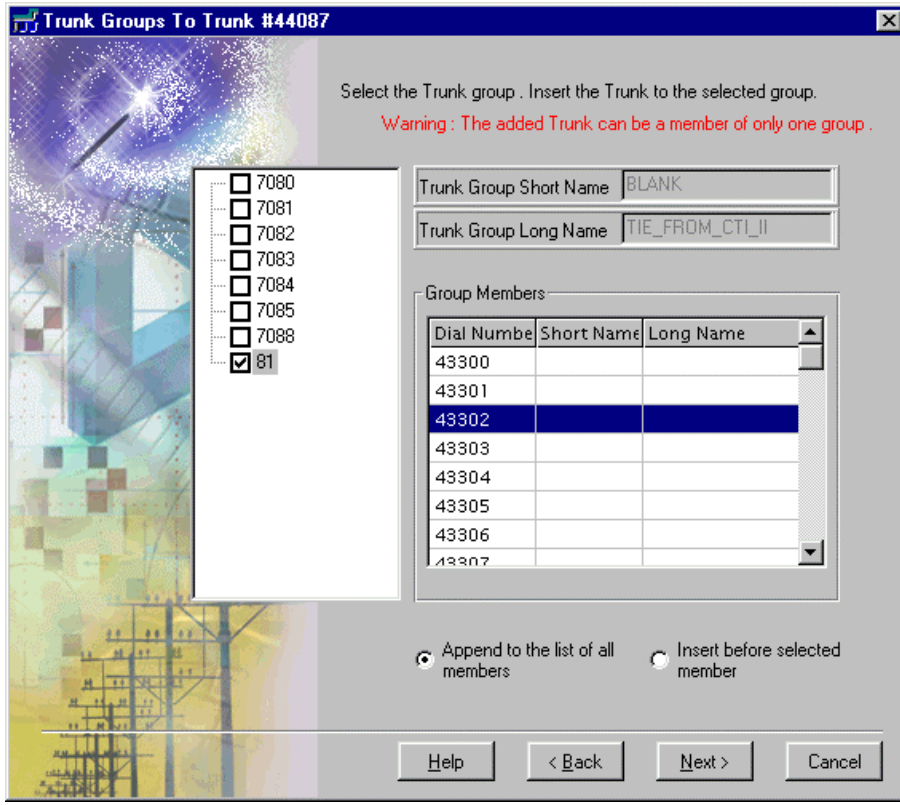
Modifying the Card DB number entails the following:

- The table at the bottom of the window is updated to reflect all trunks that will be affected by the change.
- In the CLIS form of the selected trunk, the Card DB parameter is updated.
- In the Trk LGS Definition form of the selected trunk, the value of the LS/GS parameter is updated.
- A warning appears to remind you that changing the trunk type requires updating the strapping of the trunk's card.

Click the **More CDB** button to view the entire Card DB parameters.

Choose Trunk Group

In this step, the wizard searches for trunk memberships in the trunk group numbers appearing on the left-hand side of the window.



Trunks Wizard, Choose Trunk Group

- If the trunk is a member in one of the groups, the wizard highlights this group and displays the group dial numbers under the **Group Members** list.

  Click **Next** to continue to the next step in the wizard.

- If the trunk is not a member in any of the groups, no dial numbers are displayed.

Select a group and add the trunk to the **Group Members** list.

- Click the **Append** option on the bottom to add the trunk to the end of the list.
- Click the **Insert** option to add the trunk before the selected dial number.

Station Data Transfer Wizard

The Station Data Transfer wizard allows you to transfer an entire station record to another extension, without the need to move the keyset itself. You can swap data between two stations or transfer information from one station to program or reprogram another.

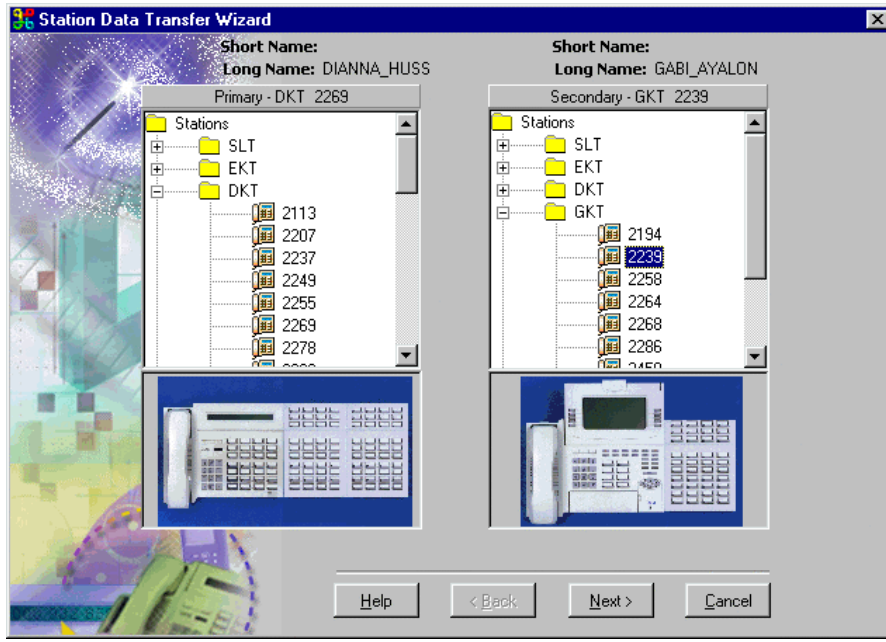
The Station Data Transfer wizard comprises two steps. These steps are described below.

Step 1 Choose Primary and Secondary Stations

1. Under the **Primary** and **Secondary** panes, select two stations that will exchange data.

   P Type pictures of the selected stations appear below the lists.

   To view an I Type picture of a station, right-click it and select **I Type** from the menu that opens.

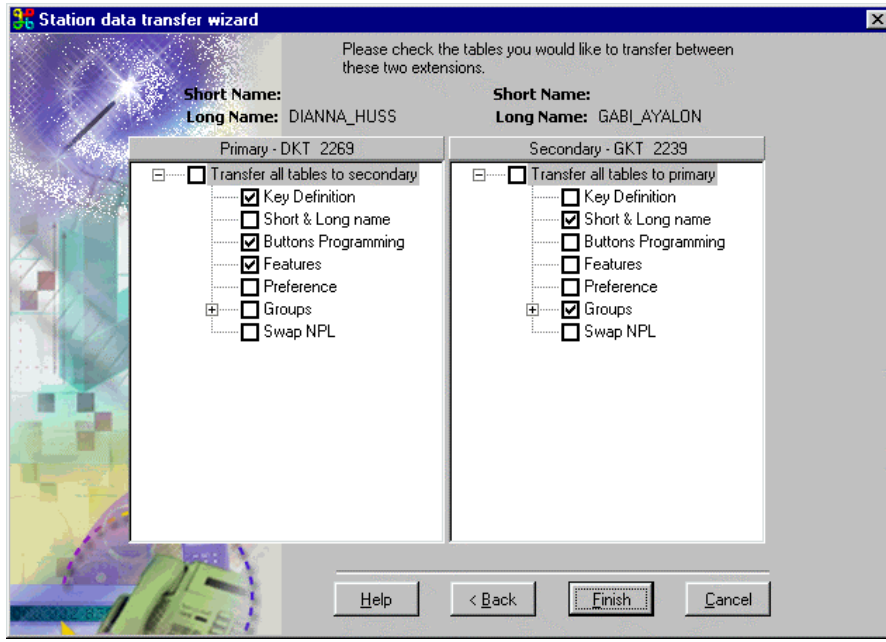


Station Data Transfer Wizard, Step 1

2. Click **Next** to continue to Step 2.

Step 2 Choose Data to Transfer

1. Under the **Primary** and **Secondary** panes, click the required boxes to select the data you want to transfer.



Station Data Transfer Wizard, Step 2

Data can be transferred between the stations in two ways:

- Copy—copies selected data from the primary station to the secondary and vice versa.

  Select data in **either** the primary station **or** the secondary station.

- Replace—selected data from the primary station replaces data in the secondary station and vice versa.

  Select data in both stations.

To select all the data types, click **Transfer All** (the top-most box) in the required pane.

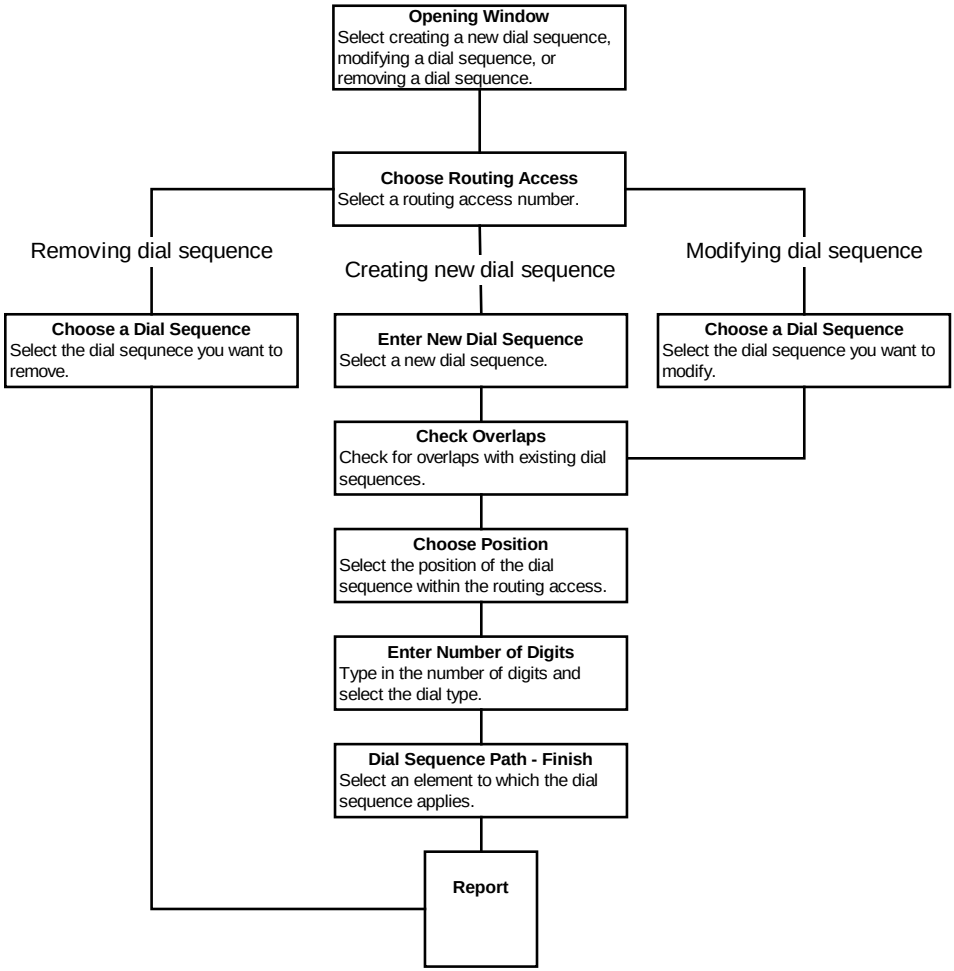
Rules for each data type define how exactly data is transferred between the stations. These rules are described in the following table.

Data Type	Rule
Key Definitions	Overwrites the target station definitions. Definitions that do not apply for the target station will be skipped.
Short and Long Names	Overwrites the target station (including blank names).
Button Programming	Overwrites the definitions of the target station. In case the number of buttons does not match, the station with the fewer buttons defines how many buttons are transferred.
Features	Overwrites the same features at the target station. Features at the target station that are not defined at the source station will remain the same.
Preference	Deletes the preferences at the target station and updates the preference according to the source station.
Pickup group	If the group memberships at the source station and the target station are different then the target's memberships are removed and reassigned according to the source station.
Other groups	Complete the target station's memberships according to the source station.
Swap NPL	Transfers extension numbers between the two stations.

2. Click **Finish** to begin transferring data.

LCR/ARS Wizard

The LCR/ARS wizard allows adding, modifying, and removing LCR/ARS dial sequences.
The following flowchart illustrates the steps in this wizard.



LCR/ARS Wizard Flowchart

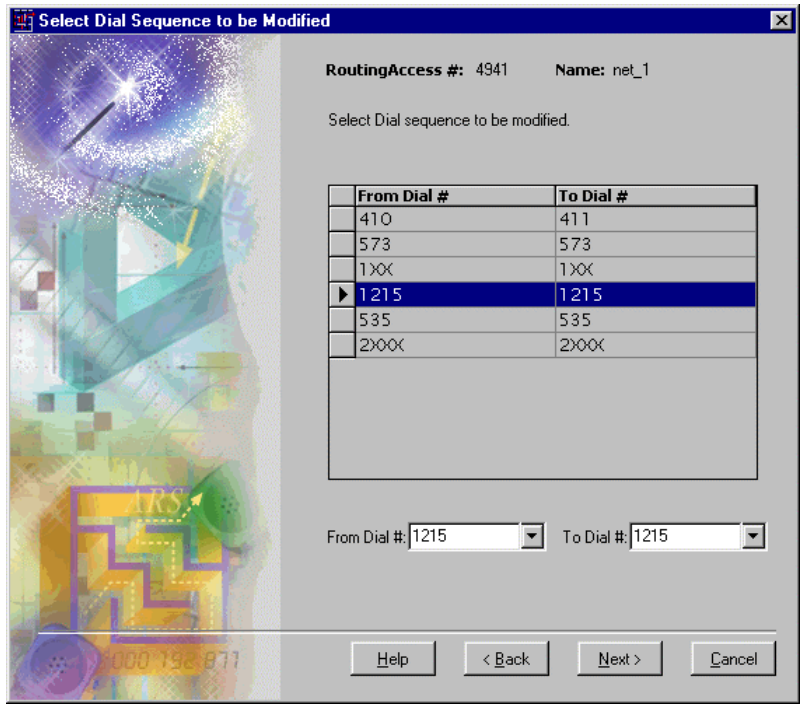
The following sections describe some of the LCR/ARS wizard steps in greater detail.

Choose Dial Sequence

This step appears if you selected to modify an existing dial sequence.

To select the required dial sequence, place the mouse pointer over the left-most column. When the mouse pointer changes into  , click the required line to select it.

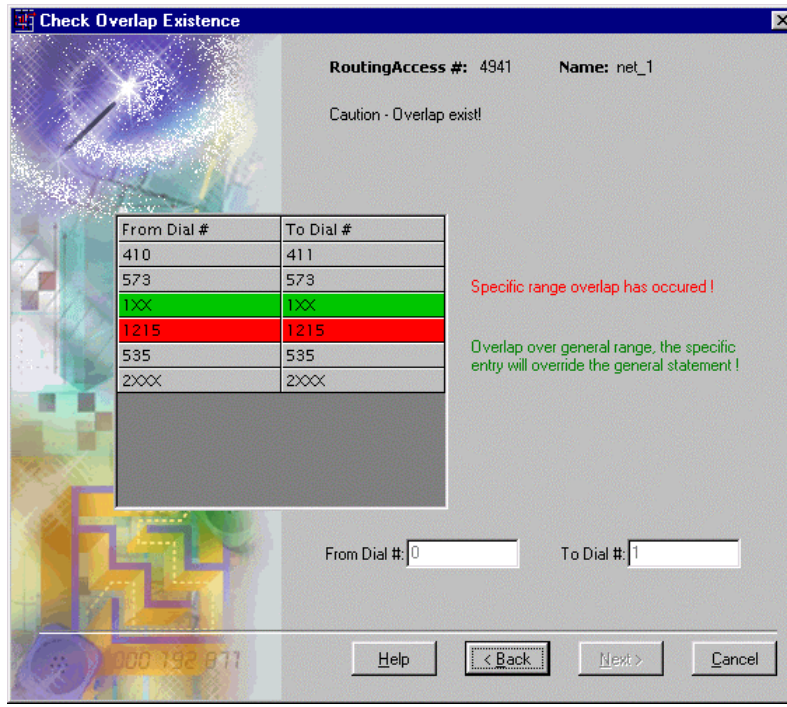
Alternatively, you can type in dial numbers in the **From Dial #** and **To Dial #** boxes at the bottom of the window.



LCR/ARS Wizard, Choose Dial Sequence to Modify

Check Overlaps

This step provides overlap information on dial sequences already existing in the system.



LCR/ARS Wizard, Check Overlaps

There are two types of overlaps:

- General—the overlapped range is colored green. One of the ranges in the N(2-9), P(0-1) or X(0-9) overlaps with the current dial sequence.

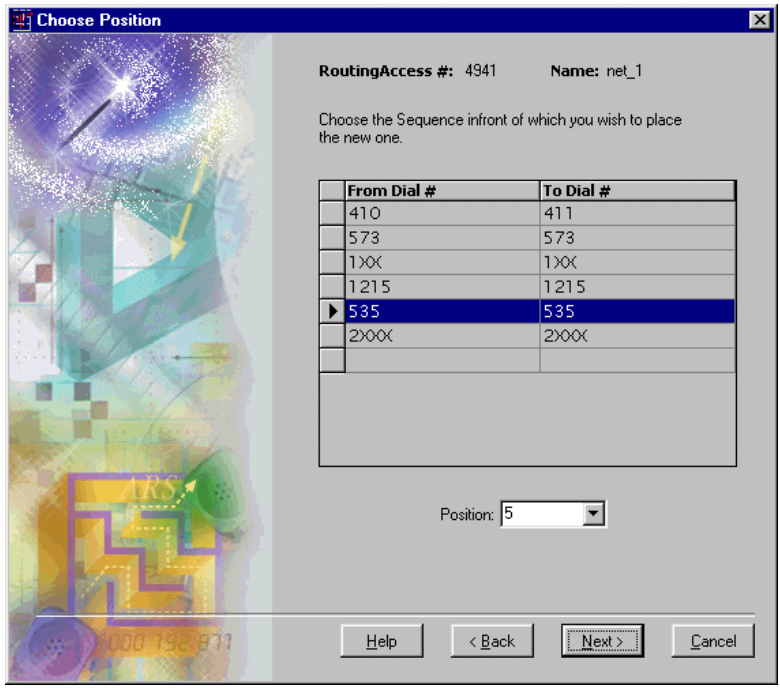
  You can proceed to the next step, but the dial sequence will overwrite the general sequence.

- Specific—the overlapped number is colored red. A specific number overlaps with the current dial number.

You cannot proceed to the next step when a specific overlaps occur. Click **Back** to return to the previous step to resolve this overlap.

Choose Position

In this step, select the position of the dial sequence within the routing access.



LCR/ARS Wizard, Choose Position

To select a position:

1. Place the mouse pointer over the left-most column.

2. When the mouse pointer changes into  , point it to the required position and click the mouse button.

The entire row is highlighted, and the dial sequence will be located before the highlighted row.

Alternatively, you can select the position in the **Position** box.
The highlighted row changes accordingly.

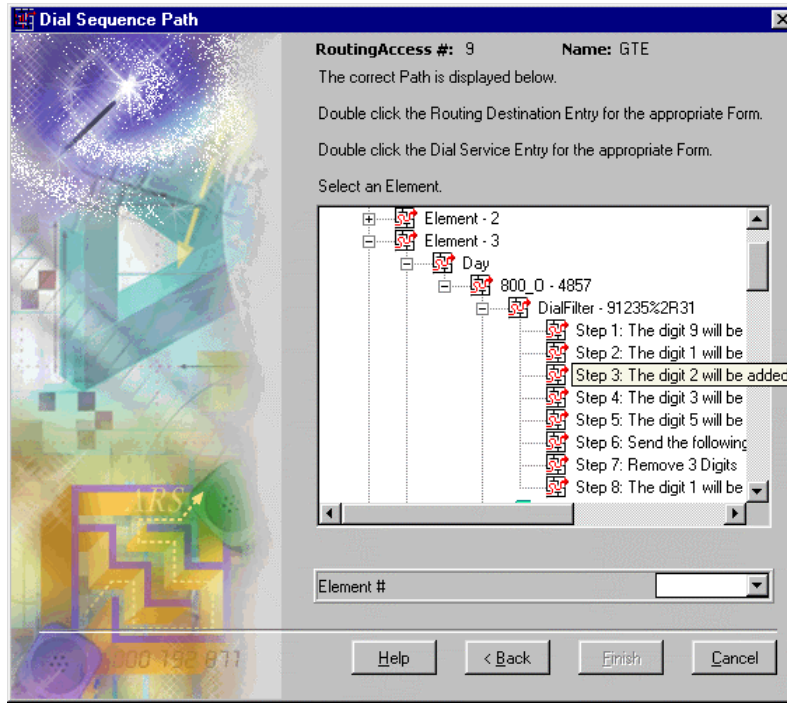
Dial Sequence Path–Finish

In this step, select the element to which the dial sequence applies.

Click the required element to select it, or select an element in the **Element #** box at the bottom of the window. The selected element is colored green.

For your convenience, drill down an element to view its routing definitions and other information regarding the element.

- Double-click a Routing Destination entry to view its form.
- Double-click a Dial Service entry to view its form.



LCR/ARS Wizard, Dial Sequence Path

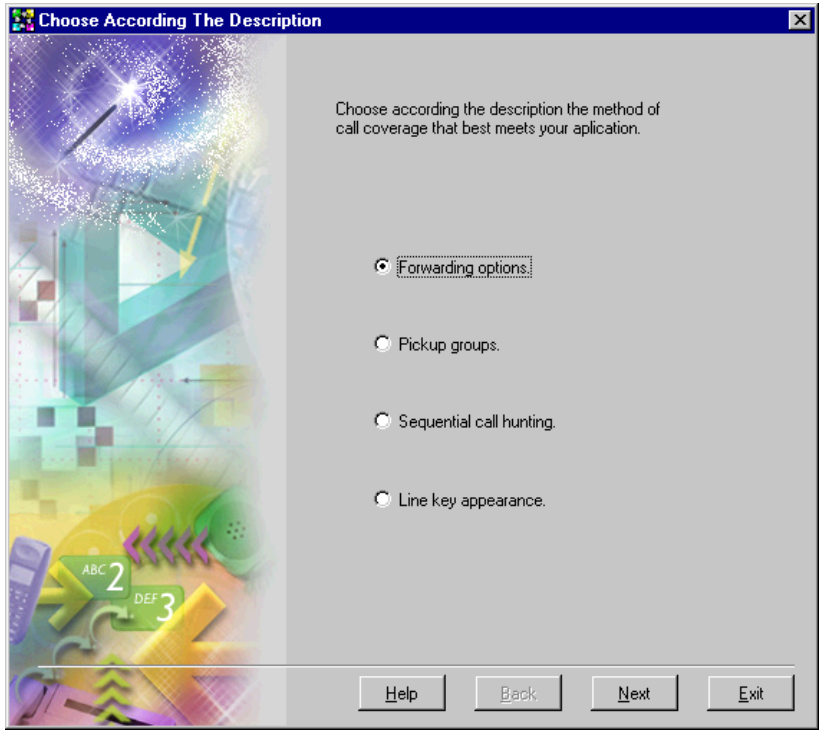
After selecting the element, click **Finish** to end the wizard and generate a report.

Call Coverage Wizard

The call coverage wizard aims to simplify the process of designing a call coverage group, allowing stations to answer calls directed to other stations. This is achieved via four different methods:

- Forwarding Options — Routing calls to other destinations using a pre-defined set of conditions.
- Pickup Groups — Stations can draw calls ringing on other stations.
- Sequential Call Hunting — Incoming calls are routed from one station to the other in a pre-defined sequence.
- Line Key Appearance — Dial number of the calling station appears on other stations, along with different ring options such as Delay Ring, Simultaneous Ring, and No Ring.

Select the required method in the Opening step, as shown in the following figure.

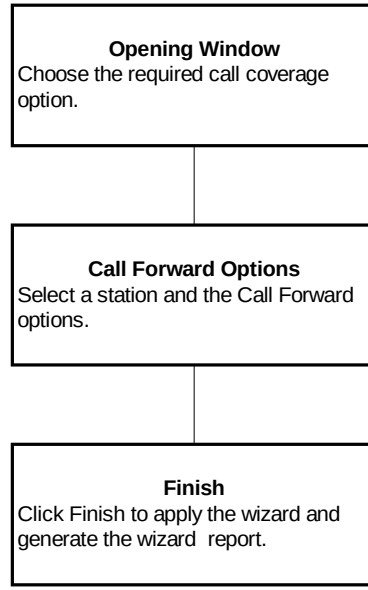


Call Coverage Wizard Opening Step

Forwarding Options

The forwarding options allow routing incoming calls to various destinations using specific conditions.

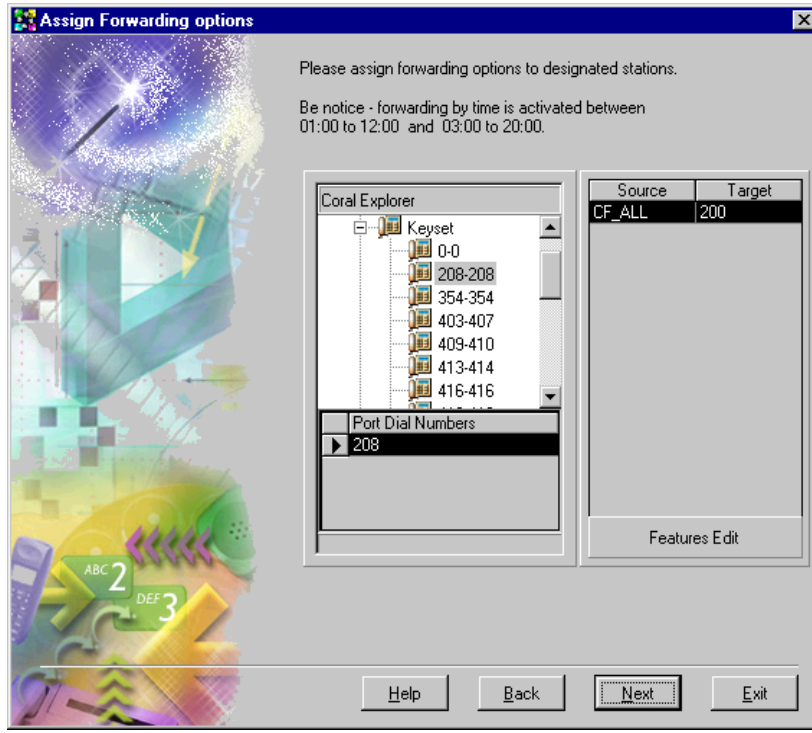
The following flowchart illustrates the steps in this method.



Forwarding Options Flowchart

1. In the Call Forward Options step, select a station in the **Coral Explorer** list from the selections on the left as shown in the following figure.

   If the selected range has more than one dial number, select one in the **Dial Numbers** list.



Call Forward Options

2. Click **Features Edit**, and select forwarding features in the list that appears.

3. Select the required destination type.

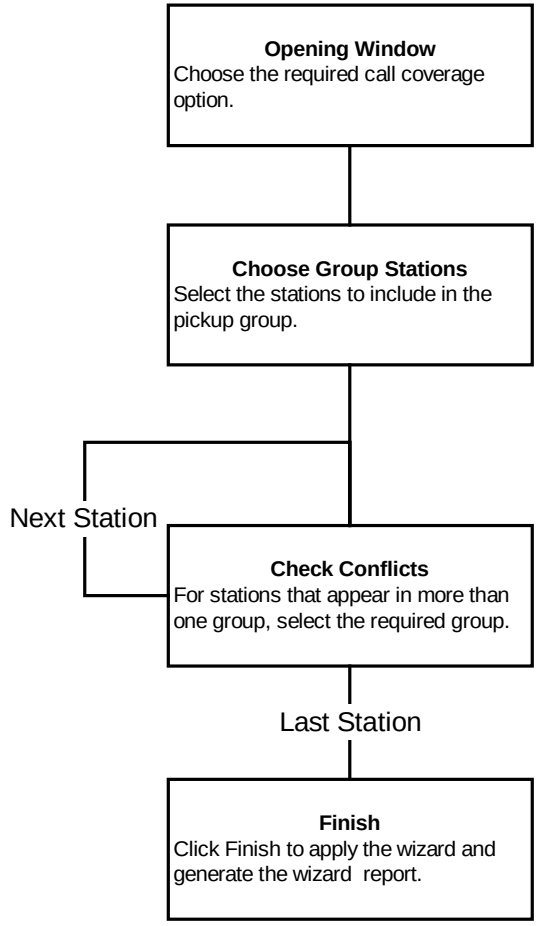
4. Select the required destination dial number in the Destination Dial Numbers dialog box that appears.

   You can add other forwarding features to the same station.

Pickup Groups

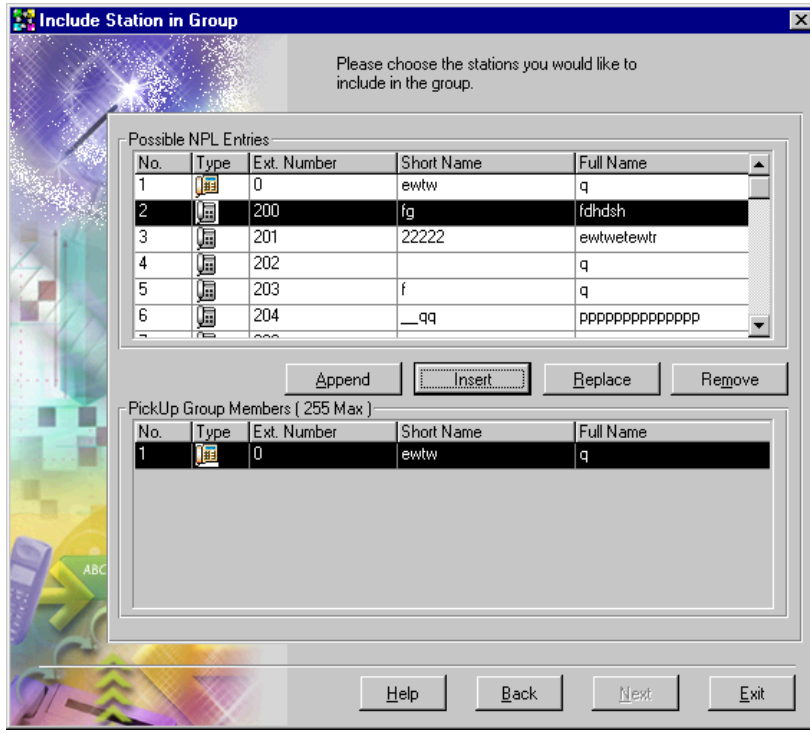
Pickup group is a group of stations, in which each station can answer calls originally directed to other stations in the group. A station can be a member of only one Pickup group.

The following flowchart illustrates the steps in this method.



Pickup Groups Flowchart

1. In the Choose Group Stations step, select the stations that will comprise the pickup group. You must select at least two stations. The order of the stations is not important.



Choose Group Stations

2. To create a group, drag stations from the **Possible NPL Entries** table to the **Pickup Group Members** table at the bottom.

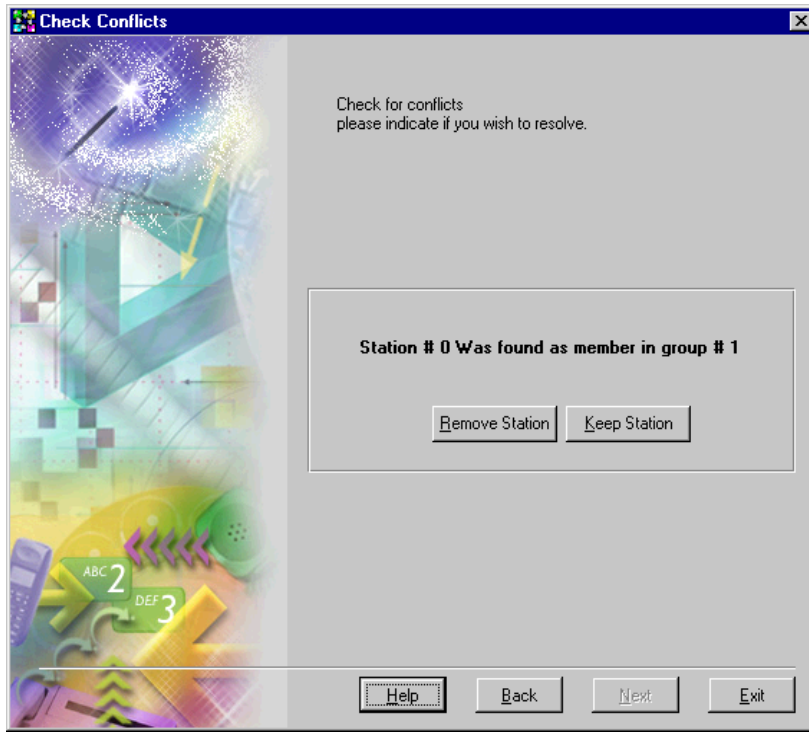
   Or

   Select a station or stations, and click either **Append** or **Insert**.

   For more information about this step, see “Groups” on page 6-51.

   The wizard checks if the selected stations are already members in other Pickup groups.

3. In the Check Conflicts step, the wizard displays stations that were found in other groups. This step does not appear if no memberships were found.



Check Conflicts

- Click **Remove Station** to remove the station from the old group and assign it to the group you are now creating.
- Click **Keep Station** to leave the station in the original group.

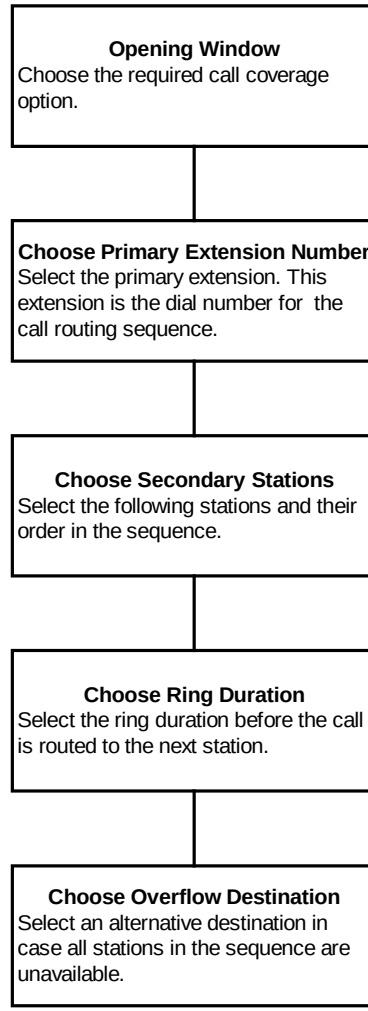
If by the end of this process, the number of group members is less than two a warning message appears.

4. Click **Finish** to create the group. The wizard uses the first empty Pickup group to create the new Pickup group.

Sequential Call Hunting

The sequential Call Hunting causes incoming calls to route from one station to the other in a pre-defined order.

The following flowchart illustrates the steps in this method.



Sequential Call Hunting Flowchart

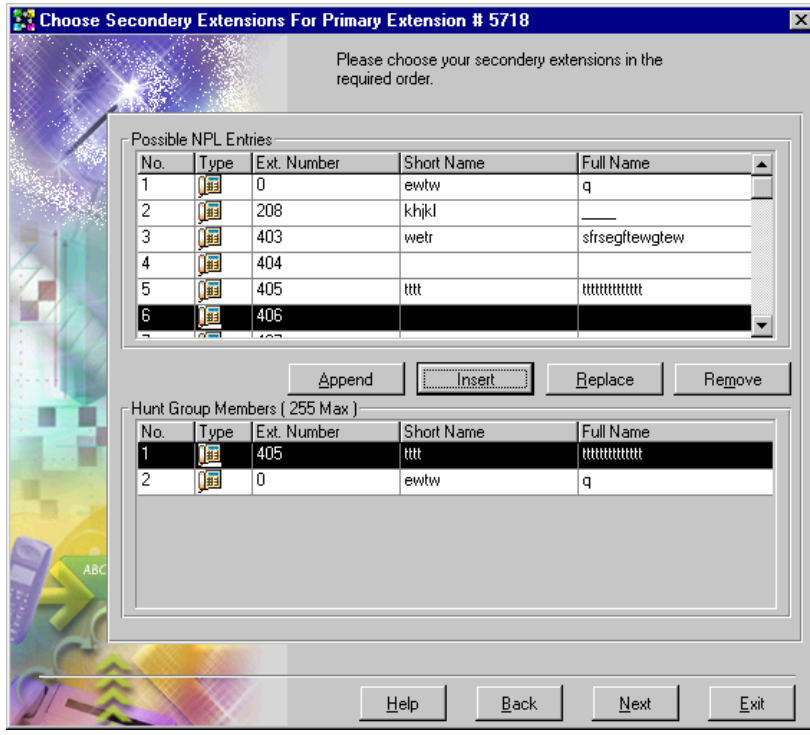
In the Choose Secondary Stations step, drag stations from the **Possible NPL Entries** table to the **Hunt Group Members** table.

Or

Select a station or stations under **Possible NPL Entries**, and click either **Append** or **Insert** to add the station.

- Append–adds the selected station to the end of the list.
- Insert–adds the selected station before the selected station under Hunt Group Members.

For more information about this step, see "Groups" on page 6-51.



Choose Secondary Stations

Click **Finish** in the final step to create the Sequential Call Hunting group.

The wizard finds the first empty (i.e. with no members) Hunt group and performs the following procedures:

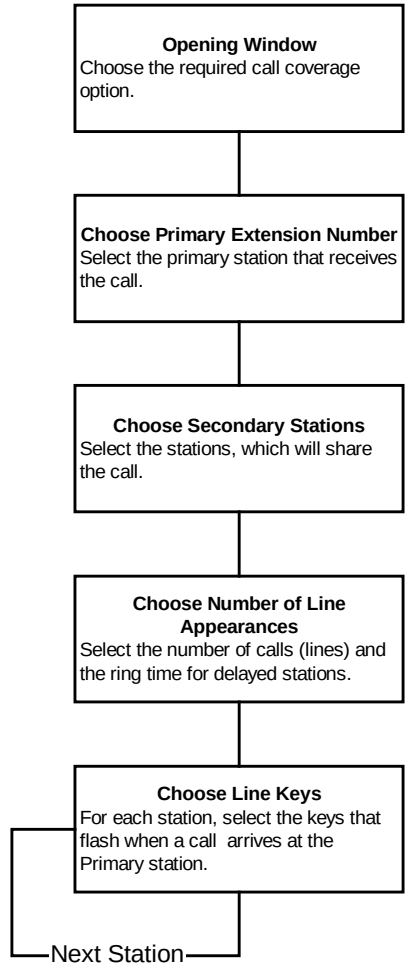
- Swaps the primary station number with the Hunt group dial number.
- Sets default values to Hunt group parameters not specified in the wizard.
- Renames the Hunt group with the name of the primary station.
- Inserts the primary and secondary stations as members in the group.
- Generates the wizard report.

NOTE: The wizard report includes the empty Hunt group number, which was found by the wizard. This number is the new dial number of the primary station. Use this number should you need to modify settings in the primary station.

Line Key Appearance

Line Key Appearance creates a group of stations, in which a call arriving at the primary station also appears at other stations in the group. You can also define dialing options for the stations Ring Delay, Simultaneous Ring, and No Ring.

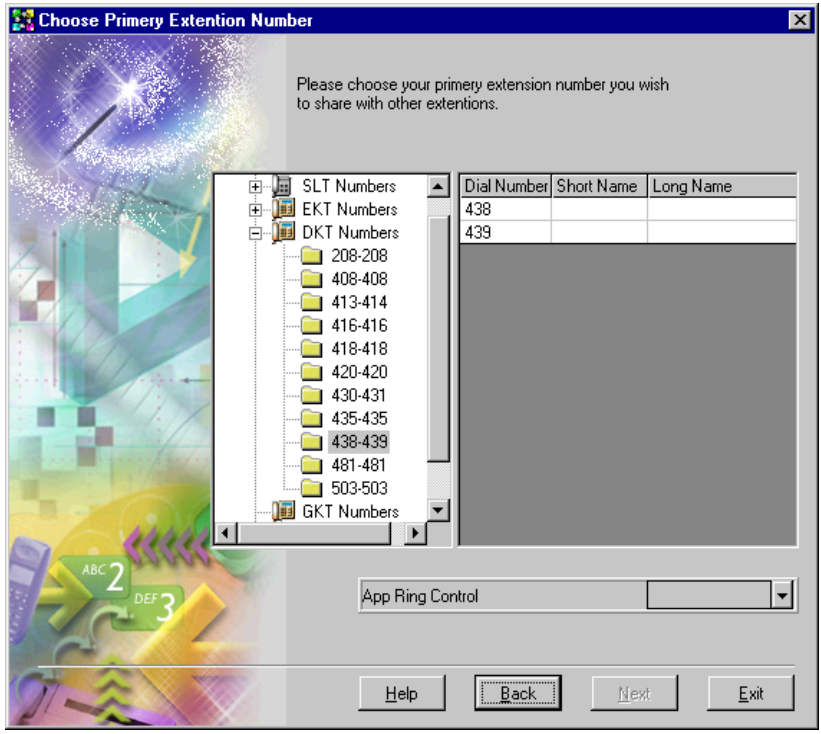
The following flowchart illustrates the steps in this method.



Line Key Appearance Flowchart

1. In the Choose Primary Extension Number step, select the station that shares calls with other stations.

2. In the **App Ring Control** box, select the ring option for the primary station.



Choose Primary Extension Number

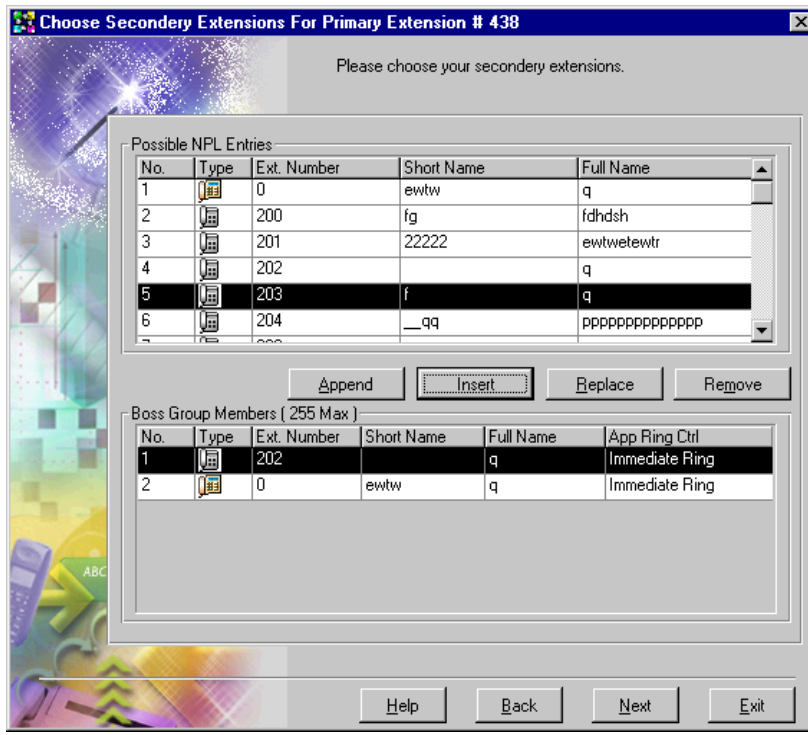
3. In the Choose Secondary Stations step, drag stations from the **Possible NPL Entries** table to the **Boss Group Members** table.

   Or

   Select a station or stations under **Possible NPL Entries**, and click either **Append** or **Insert** to add the station.

   - Append–adds the selected station to the end of the list.
   - Insert–adds the selected station before the selected station under Hunt Group Members.

   For more information about this step, see "Groups" on page 6-51.

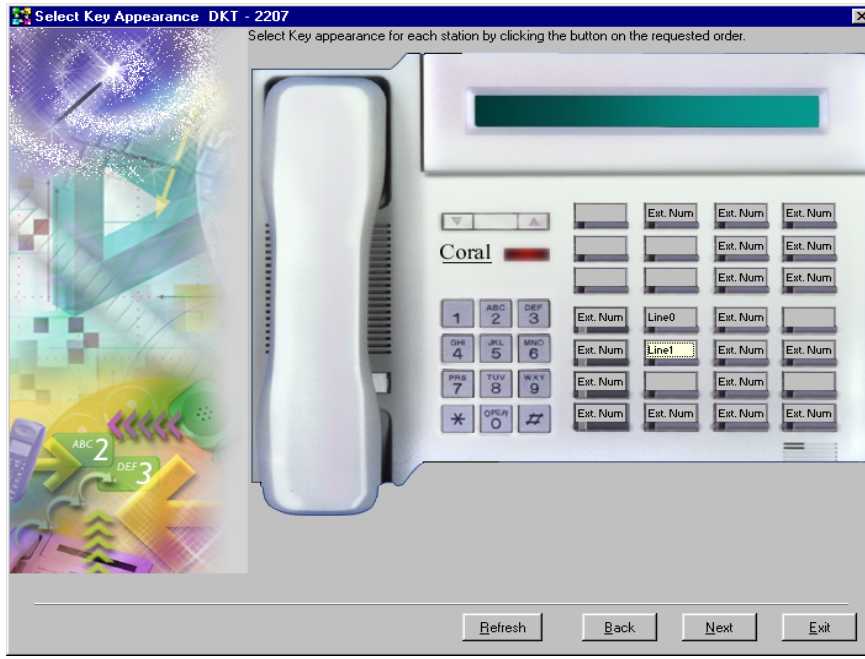


Choose Secondary Stations

4. For each member in the group, click the table cell under the App Ring Ctrl column and select a ring option in the list that opens.

5. In the Choose Line Keys step, click a button to assign the Line Key Appearance feature. The number of lines depends on the value entered in the Line Key Appearance parameter.

   Line keys cannot be assigned to system keys.



Choose Line Keys

When a call arrives at the primary station, the lamp on the line key flashes.

6. Repeat this step for all the stations in the group, excluding wireless and analog stations.

7. Click **Finish** in the final step to create the Line Key Appearance group.

   The wizard finds the first empty Boss group and performs the following procedures:

   - Swaps the primary station number with the Boss group dial number.
   - Sets default values to Boss group parameters not specified in the wizard.
   - Renames the Boss group with the name of the primary station.
   - Inserts the secondary stations and their ring options as members in the group.
   - Sets the line buttons for the stations.
   - Preference table of the primary station (now it is the boss group number) is updated with the line key appearance features according to the number of lines.
   - Generates the wizard report.

NOTE: The wizard report includes the empty Boss group number, which was found by the wizard. This number is the new dial number of the primary station. Use this number should you need to modify settings in the primary station.

Glossary

This section provides explanations and definitions to common terms and abbreviations used in this manual.

Term/Acronym	Description
API	Application Programming Interface serves as an interface between an application program and the operating system on which it resides. Similar to a driver.
ARS	Automatic Route Selection. In this manual, interchangeable with Least Cost Routing (LCR).
ARU	Automatic Response Unit (also known as IVR).
ASCII	American Standard Code for Information Interchange. A seven-level code (128 possible characters) used for data transfer.
Baud	Unit of signaling speed equivalent to the number of discrete conditions or events per second. If each signal event represents only one bit condition, baud rate equals Bps (bits per second).
BCCOS	Bearer Capability COS.
Channel	A path for electrical transmission between two or more points. Also called a link, line, circuit or facility.
CLA	CoralLink Adapter–A daughter board that connects to the MEX in the large Corals and to the MCPsl in the Coral FlexiCom 200. This card links the Coral to a computer LAN using Ethernet. This link is CSTA compliant for CTI application use. If the Coral is using duplicated common control, two CLA cards will be required.

Term/Acronym	Description
CNF	Conference cards. Can be installed in any universal or shared service card slot.
COS	Class of Service.
CVD	CoralVIEW Designer application
Database	As related to telephony, the information in a PBX that consists of the site unique programming.
DB	Database.
DDI	Direct Dialing In.
DID	Direct Inward Dialing trunks.
DPEM	Digital Programmable Extension Module.
E&M	Tie Line signaling leads.
E&M Signaling	Voice transmission system that uses separate paths for signaling and voice. The “M” lead (mouth) transmits signals to the remote end of the circuit while the “E” lead (ear) receives incoming signals.
GS Trunk	Ground Start Trunk
HI	Human Interface. Same as PI (Program Interface).
ISDN	Integrated Services Digital Network–A carrier provided service that accommodates a variety of switched digital data and voice transmissions simultaneously.
IVR	Interactive Voice Response function similar to voice mail systems, but have the added ability to request or act upon information gained from the caller.
KB0	Communication port (RS-232) to the Coral system. KB0 always resides on the MCP.

Term/Acronym	Description
KB1	Keyboard Number 1 on the Coral FlexiCom 200.
Kbps	Kilo (thousands) bits per second.
Keyset	EKT/VDK/DKT/DST/GKT/FlexSet Telephones
LCR/ARS	Least Cost Routing also known as Automatic Route Selection (ARS).
LS Trunk	Loop Start. A trunk that gets dial tone when a 600 ohm loop resistance is put on it by a KSU/PBX or analog phone.
Network	(1) an interconnected group of nodes. (2) A series of points, nodes, or stations connected by communications channels; the collection of equipment through which connections are made between data stations.
Node	A point of interconnection to a network.
NPL	Numbering Plan. The NPL determines system-wide dialing plan for all hardware and software identifiers used for programming purposes (up to 8 digits).
ODB-API	Open DataBase-Application Programming Interface. The CVD application uses this protocol to interface with the Coral FlexiCom.
PEM	Programmable Expansion Module for use with VDKs and enhanced EKTs.
PI	Program Interface. A menu-driven interface system for programming the Coral FlexiCom. Uses terminal emulation to connect to the Coral.
PRI	Primary Rate Interface (ISDN T-1), or PRI card for Coral FlexiCom
PSTN	Public Switched Telephone Network. The telecommunications network commonly accessed by ordinary telephones, key systems, PBX trunks and data

Term/Acronym	Description
	equipment.
RMI	Remote Maintenance Interface circuit card to be installed in any universal card slot. It supplies 3 RS-232 ports, a 300-baud modem, relay contacts for night bells or alarm notification, music on hold input and paging output..
SLT	Single Line Telephone (same as IST).
SMDR	Station Message Detail Recording.
TK, Trk	Trunk.
Trunk	A single circuit between two points, both of which are switching centers or individual distribution points. A trunk usually handles many channels simultaneously.
UNA	Universal Night Answer is a generic term used to describe a bell or device used to announce a ringing call.
VFAC	Verified Forced Authorization Codes are used to make users accountable for their calls by attaching a unique code to each SMDR record for billing or toll fraud prevention.

Appendix

The following table lists forms and the forms linked to them. Linked forms that open with the same entry as in the source form are marked by a * symbol next to them.

No.	Source Form	Linked Forms
1	Numbering Plan (NPL)	12, 14, 30, 31, 32, 33, 35, 36, 2, 27
2	Station Definition	23*, 24*, 25*, 27*, 29, 30, 31, 32, 33, 35, 36, 15*, 10, 20, 22, 9, 21, 4*, 19
3	Routing and Cost Calculation (LCR)	37, 46, 45, 47, 48, 49, 10
4	Keyset Buttons Programming	1, 14, 2*, 25*, 27*, 10
6	Time	18
7	SMDR	26
8	Hotel	19
9	Timers	2
10	Class Of Services	2, 38
12	Card List	1, 14
13	Card Graphic layout	1, 12, 14
14	PLIS	1, 12, 13, 15, 2, 38
15	DLIS	1, 22, 2*
18	Night	6, 19
19	System Features	8, 18
20	Tone Plan	2
21	SLT Database	2, 14, 13

No.	Source Form	Linked Forms
22	APA Setup	1, 2, 14, 15
23	Gains (Card & Port)	2*, 4*, 14
24	Features	1, 2*, 4*, 35, 36, 25*, 10
25	Preference	1, 24*, 2*, 4*, 10
26	Terminal Setup	7
27	Libraries	1, 2*, 4*, 24*, 25*
28	NPL: Special Feature Codes	1
29	VFAC	1, 2*, 37
30	Pickup Group	1, 2, 10
31	Bell/UNA Group	1, 10
32	Call Group	1, 10
33	Zone Group	1, 10
34	DID Group	1, 37, 47, 10
35	Boss Group	1, 10, 2
36	Hunt Group	1, 10, 2
37	Trunk Group	1, 10, 38, 3, 48, 49, 34, 47
38	Trunk Definitions	1, 37, 39, 43, 44, 45, 46, 47, 48, 49, 1
39	Trunk Database	1, 38, 37
40	E&M Pulsed (4TEMP)	1, 38, 37
41	E&M Continuous (4TEM)	1, 38, 37
42	Default Configuration	53, 54, 55
43	Port Database	38, 48, 49, 1
44	DTDB Synchronizing	38, 37, 46
45	DTDB (ISDN) Signal Channel	46
46	BCCOS & NSF	37, 44
47	Extended DID Filters	1, 37, 48, 49, 34

No.	Source Form	Linked Forms
48	Node Content	1, 37
49	Node NPL	1, 37
50	ALS Card DB	1, 51, 52
51	ALS Card Configuration	1, 50, 52
52	ALS Port DB	1, 50, 51
53	30TE Card Database	44, 38, 37, 34, 42
54	30T/T1 Card Database	44, 38, 37, 34, 42
55	30TM Card Database	44, 54, 38, 37, 34, 42
56	Digital Trunk Configuration	42, 53, 54, 55, 44

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Tadiran Telecom
Business Systems Ltd.

International Headquarters
Tadiran Telecom Business Systems Ltd.
18 Hasivim St., P.O.Box 450
Petach-Tikva 49105, Israel
Tel. +972-3-9262000, Fax. +972-3-9262310

USA Headquarters
Tadiran Telecom, Inc.
4 Tri Harbor Court
Port Washington, NY 11050
Tel. +1-516-632-7200, Fax. +1-516-632-7210

Visit us at our website http://www.tadirantele.com
Email: coral@tadirantele.com

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