NEC

SL1100

PC Programming Manual

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Issue 3.01

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CHAPTER 1 *Introduction*

SL1100 PC Programming, referred to as PCPro, is an application used to manage the SL1100 system. PCPro is rich with features to help users more easily manage a chassis when compared to handset programming.

The user can perform the following when using PCPro:

- ❑ Upload/Download settings between PCPro and a chassis.
- ❑ Save settings to files that can be archived for later use.
- ❑ Program settings grouped by their relationship via standard screens.
- ❑ Program settings sequentially via Wizards to complete a feature.
- ❑ Generate reports that can be used to monitor settings.
- ❑ Automatically update chassis firmware remotely.
- ❑ Export settings to files for later use.
- ❑ Capture low level messages to problem solve through the Debug Terminal.

-- NOTES --

CHAPTER 2 *Installation*

SECTION 1 SYSTEM REQUIREMENTS

The process of installing PCPro is straight-forward. Just run the installation program and follow the instructions. Table 2-1 System Requirements lists the minimum system requirements necessary for install PCPro on your computer.

Table 2-1 System Requirements

CPU	Pentium® III 598 MHz (minimum) Pentium 4 2.5 GHz (recommended)
Memory	128 MB of RAM 256 MB (recommended)
OS	Windows XP, Vista, Windows 7 (32/64-bit)
Other	Microsoft Internet Explorer 8.0 or higher
Communication port	LAN, RS232 or Modem
Disk Space	25MB for PCPro (minimum)
TCP Port	PCPro must have TCP port 8000 open between the chassis and the host PC. Communications between PCPro and the chassis occurs on this port when uploading-downloading via LAN. The PCPro TCP port is 8000 at default, but this can be changed through the Administration>WebPro Settings section of WebPro, or using PRG 90-54-02 in Web Pro, PCPro or Phone Programming. TCP port 5963 is required to be open if the Debug Terminal is going to be used.

SECTION 2 DEFAULT PCPRO ACCOUNTS

When installing PCPro for the first time, the installation program creates a set of default PCPro accounts. The accounts with the user name and password to access these accounts are provided in Table 2-2 Default PCPro Accounts.

Table 2-2 Default PCPro Accounts

User Name	Password	Access Level
sltech	12345678	Installer Mode (IN)
ADMIN1	0000	System Administrator Mode 1 (SA)
ADMIN2	9999	System Administrator Mode 2 (SB)

*An install/uninstall **does not** remove or modify any existing PCPro Accounts, or Connection Accounts.*

In addition, the installation program will create the following default folders:

Table 2-3 Default Folders

Folder Name/Icon	Location	Description
My Databases	<install dir>\databases	Default folder where PCPro databases are saved.
DebugTerm	<install dir>\logfiles	Default folder where PCPro Debug Terminal log files are saved.
Reports	<install dir>\reports	Default folder where PCPro reports are saved.
exports	<install dir>\exports	Default folder where PCPro exported files are saved.

*An install/uninstall **does not** result in the folder or any files in the folder being deleted.*

SECTION 3 SOFTWARE INSTALLATION

The software can be installed from the application CD, provided with the chassis or downloaded from the web.

1. Launch the installer.

   If installing from a CD, the CD should autorun. When the splash screen is displayed, select **Install Software**.

   *If the software does not autorun, you can open the CD and select **setup.exe**.*

   If downloading from the website, copy the file to your computer and launch the installer.

2. When the installer launches, the InstallShield Wizard Welcome screen is displayed. Press **Next>**.

   If you do not want to continue, click **Cancel** to abort the installation and exit the software.

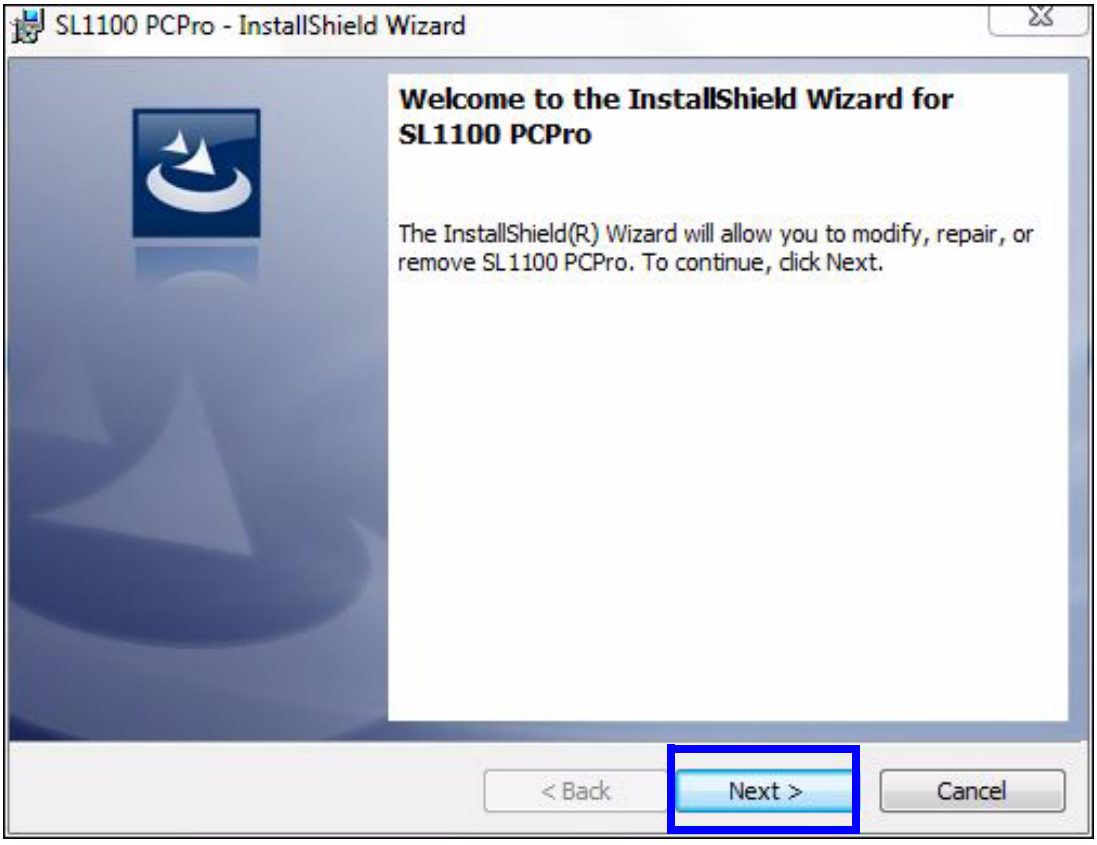


Figure 2-1 InstallShield Wizard Welcome Screen

3. The next screen is displayed indicating the default location to install the PCPro files.

   If the default location is where you want the files located, click **Next>**. Refer to Figure 2-2 InstallShield Wizard Destination Folder (Default Location).

   If you want to change the location where the files are located, click **Change**. Refer to Figure 2-3 InstallShield Wizard Destination Folder (Change Location).

   If you wish to return to the previous screen, click **<Back**.

   If you do not want to continue, click **Cancel** to abort the installation and exit the software.

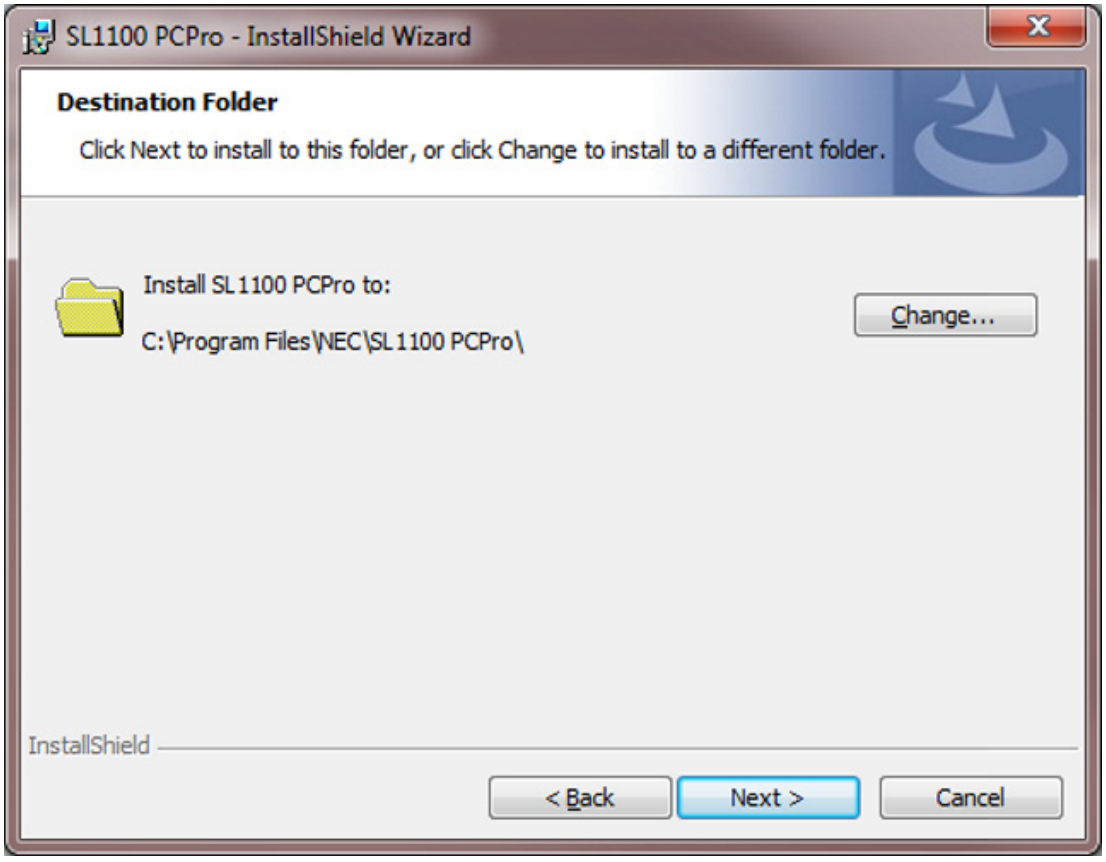


Figure 2-2 InstallShield Wizard Destination Folder (Default Location)

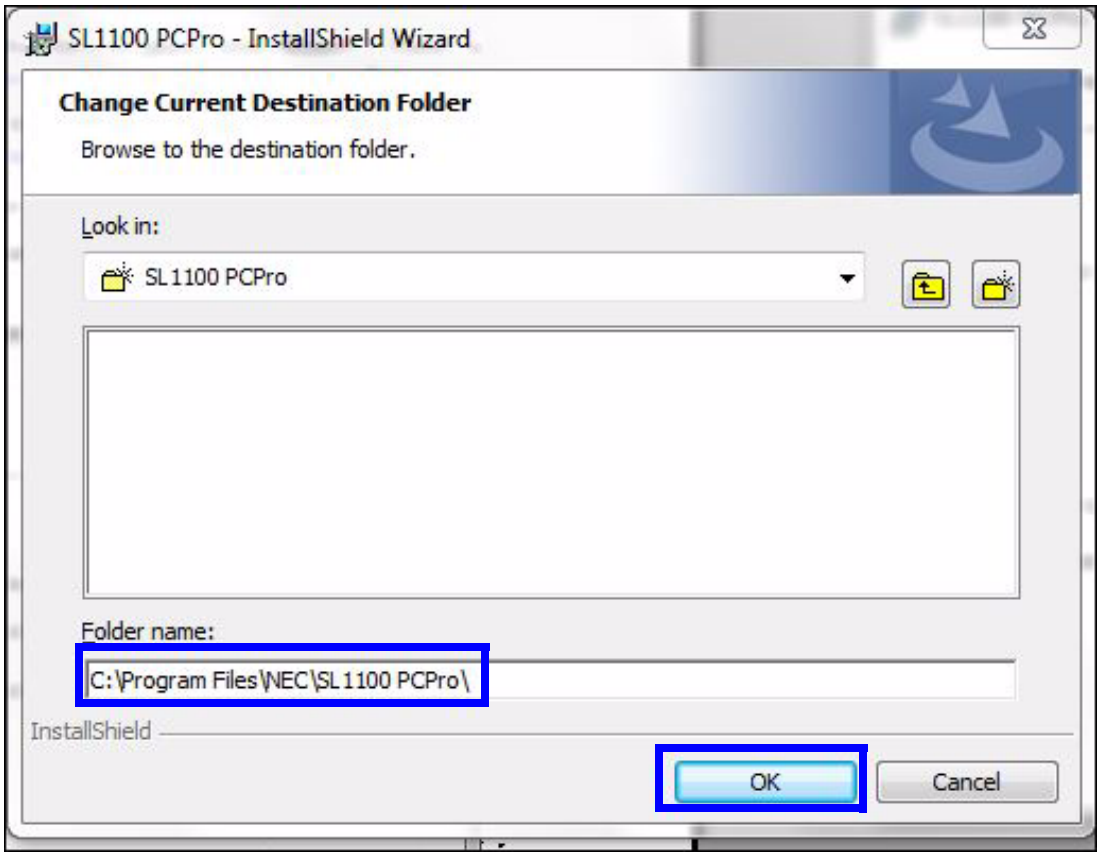


Figure 2-3 InstallShield Wizard Destination Folder (Change Location)

4. To install the program, click **Install**.

   If you wish to return to the previous screen, click **<Back**.

   If you do not want to continue, click **Cancel** to abort the installation and exit the software.

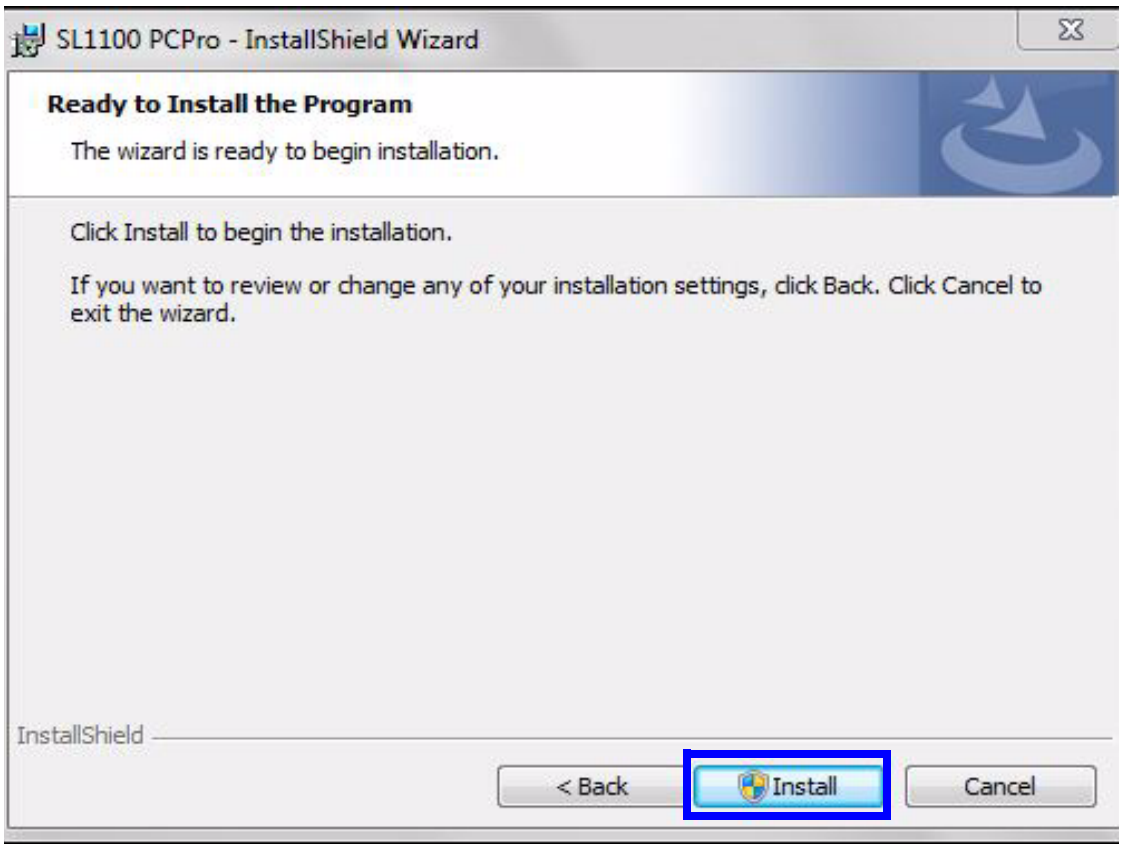


Figure 2-4 InstallShield Wizard Begin Installation

5. The program installs. Figure 2-5 InstallShield Wizard Installation Progress shows the screen you will see that indicates the progress of the installation.

   If you wish to return to the previous screen, click **<Back**.

   If you do not want to continue, click **Cancel** to abort the installation and exit the software.

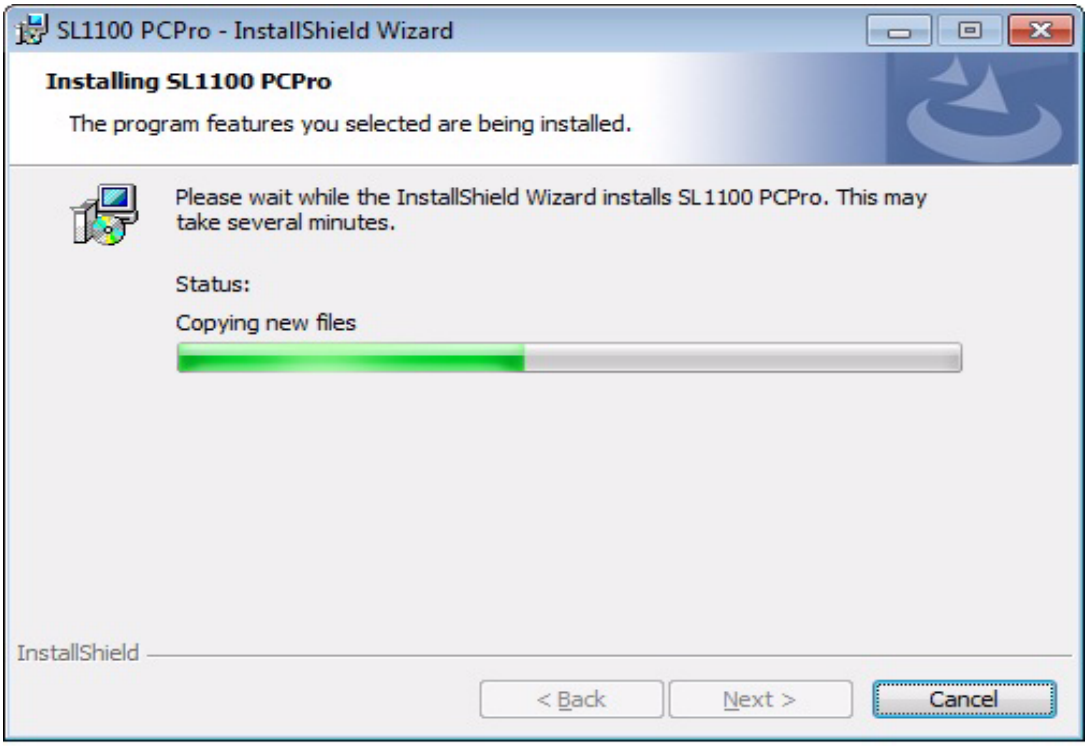


Figure 2-5 InstallShield Wizard Installation Progress

6. When the installation is completed, Figure 2-6 InstallShield Wizard Finish Installation is displayed. Click **Finish**.

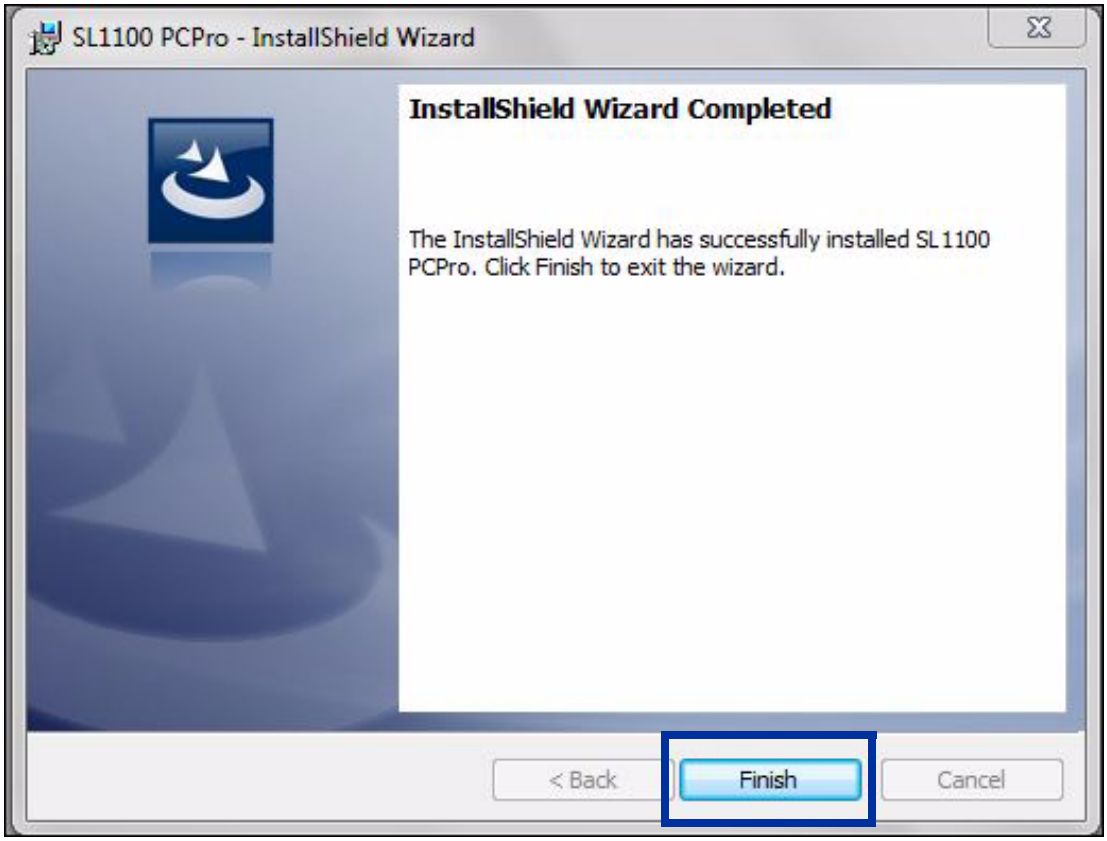


Figure 2-6 InstallShield Wizard Finish Installation

SECTION 4 LAUNCHING THE APPLICATION SOFTWARE

Once the application software has successfully installed you can launch the application in one of two ways:

❑ Click the PCPro shortcut icon that was placed on your desktop during installation.

Figure 2-7 SL1100 PCPro Desktop Shortcut

or....

❑ Select the program by clicking **All Programs > SL1100 Application Suite > SL1100 PCPro**.

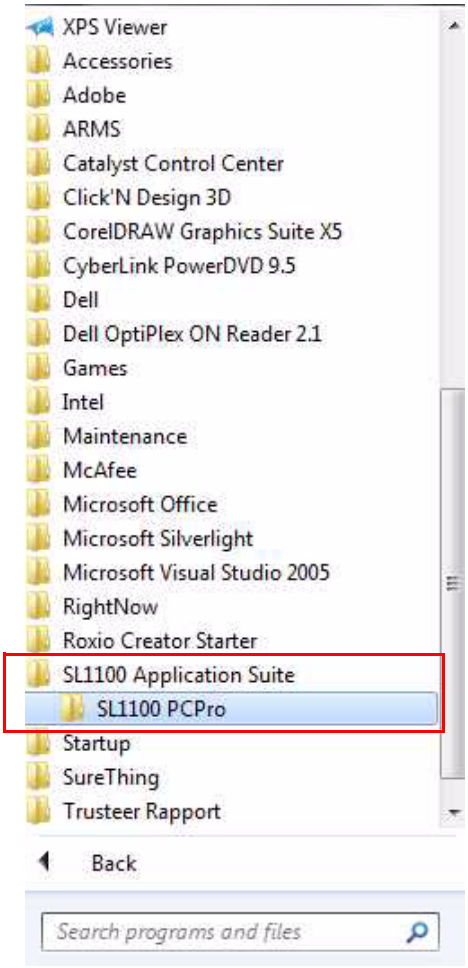


Figure 2-8 InstallShield Wizard Launch Software

SECTION 5 LOGGING INTO THE APPLICATION

With PC Pro 3.50 or higher, the application comes up already logged in at the Installer level. If there is a need to log in with a different level, the user can Log Off and Log In with a different user name and password. Refer to Table 2-2 Default PCPro Accounts on page 2-2 for a list of default PCPro accounts and their associated user names and passwords.

1. To Log Off, from the **File** menu, choose **Log Off**. The Login window will come up.
2. Enter the appropriate **User Name** and **Password** and press **OK**.

   If you do not want to continue, click **Cancel** to abort login and exit the software.

Figure 2-9 PCPro Login Screen

3. If the login is successful, the PCPro Welcome screen is displayed.

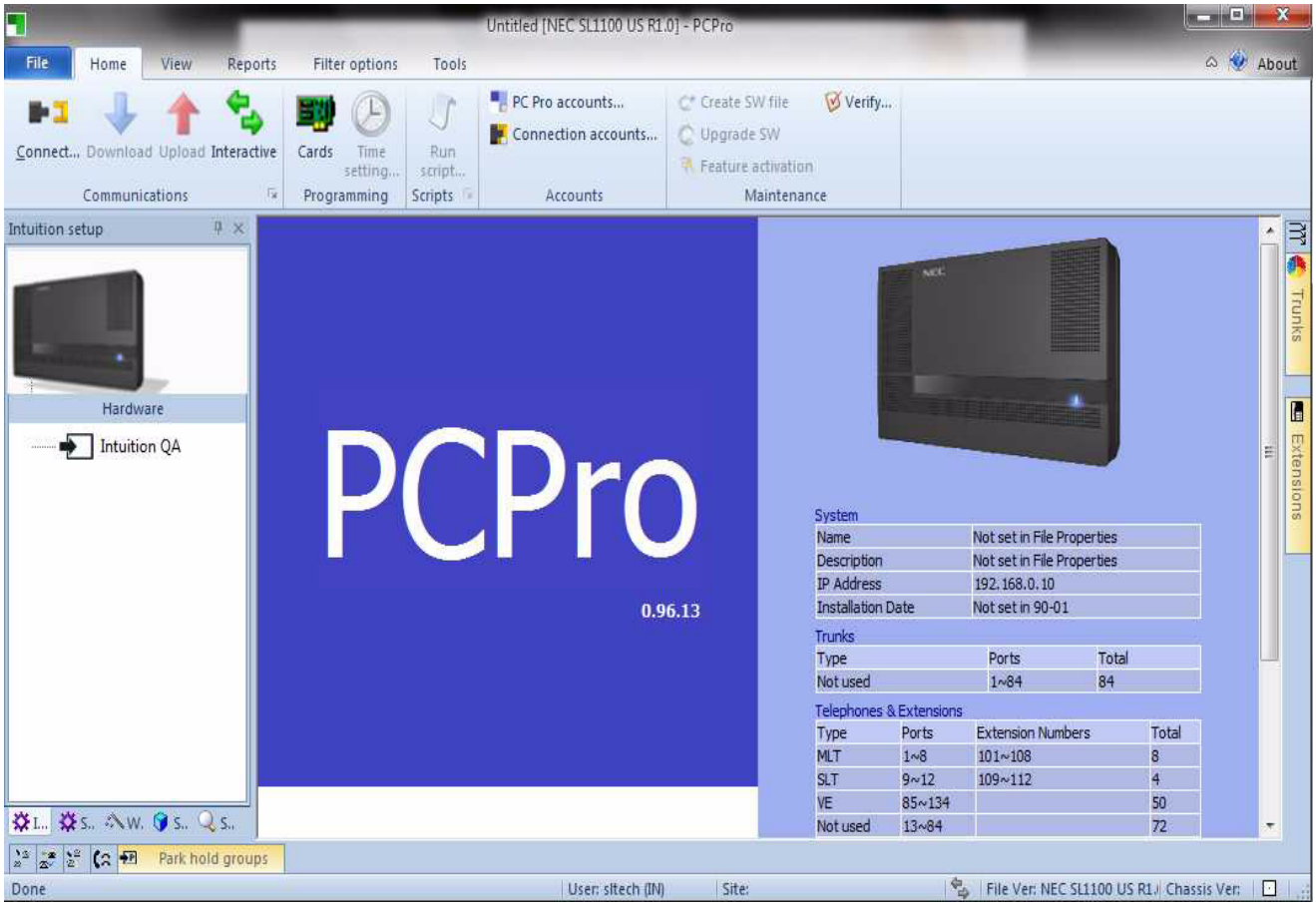


Figure 2-10 PCPro Main Menu

-- NOTES --

CHAPTER 3 *Application Layout*

SECTION 1 INTRODUCTION

The programming section of PCPro provides methods to view and edit values associated with a chassis configuration. Most programming is done using three different views: Standard, Advanced and Wizards. These methods can be accessed through the menu item **View**. Accessing these items updates the applications Submenu and Workspace areas. The Status bar gives a status indication of various functions related to PCPro (e.g., connection status, version information).

The general PCPro application layout is shown in Figure 3-1 PCPro Application Layout.

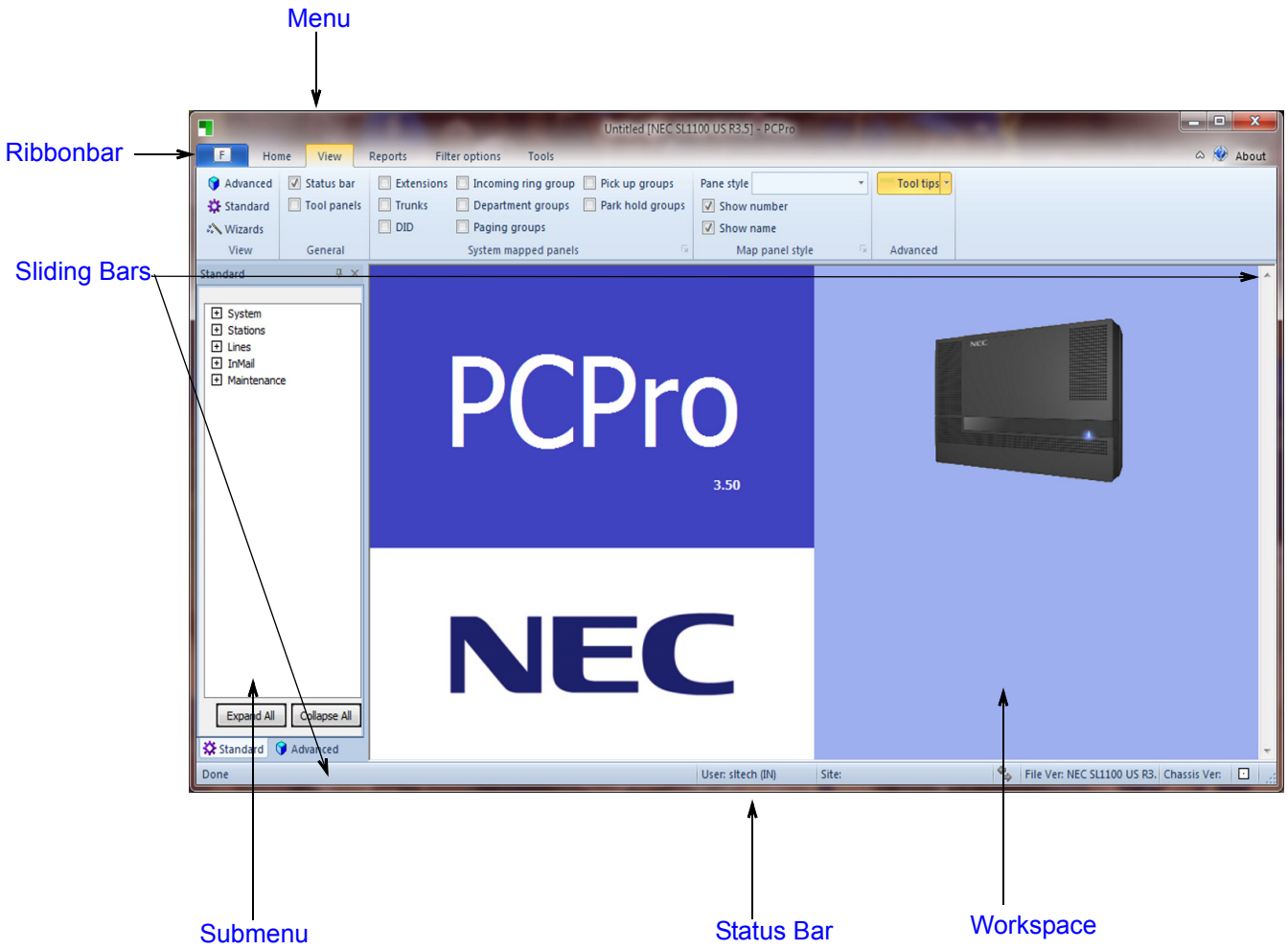


Figure 3-1 PCPro Application Layout

SECTION 2 MENU

The menu displays the list of functions available in PCPro. Some of these commands have images next to them so you can quickly associate the command with the image.

SECTION 3 TOOLBAR

The Toolbar is a group of buttons that map to items in the application menu. The toolbar allows for quick and convenient access to the most common PCPro commands. The items on the toolbar are shown in Figure 3-2 PCPro Toolbar.

The keyboard shortcuts (where applicable) are listed below the toolbar identification in Figure 3-2 PCPro Toolbar.

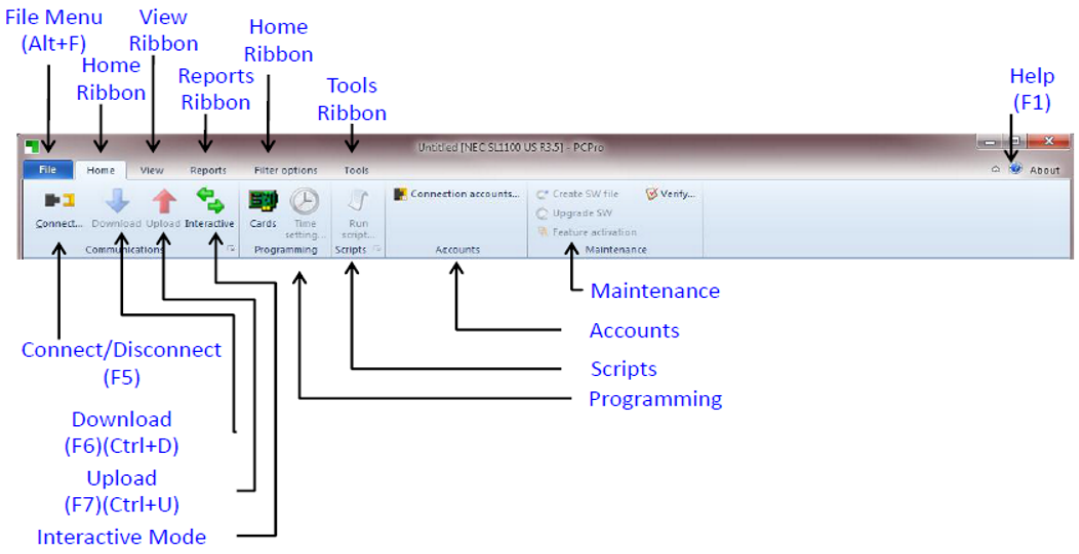


Figure 3-2 PCPro Toolbar

The full list of the PCPro menu and toolbar hierarchy is found in Chapter 7 - Menu and Toolbar Reference.

SECTION 4 SUBMENU AREA

The Submenu Area is used to navigate through Hardware Settings, Standard View (refer to Chapter 4 - Standard View), Wizards (refer to Chapter 5 - Wizards View) and Advanced View (refer to Chapter 6 Advanced View on page 6-1). Selections made from the submenu area updates the workspace with the related settings.

SECTION 5 WORKSPACE

The Workspace is where all programming occurs. The Workspace consists of various selections made from the Submenu Area and the Workspace itself. Common Workspace components are further explained.

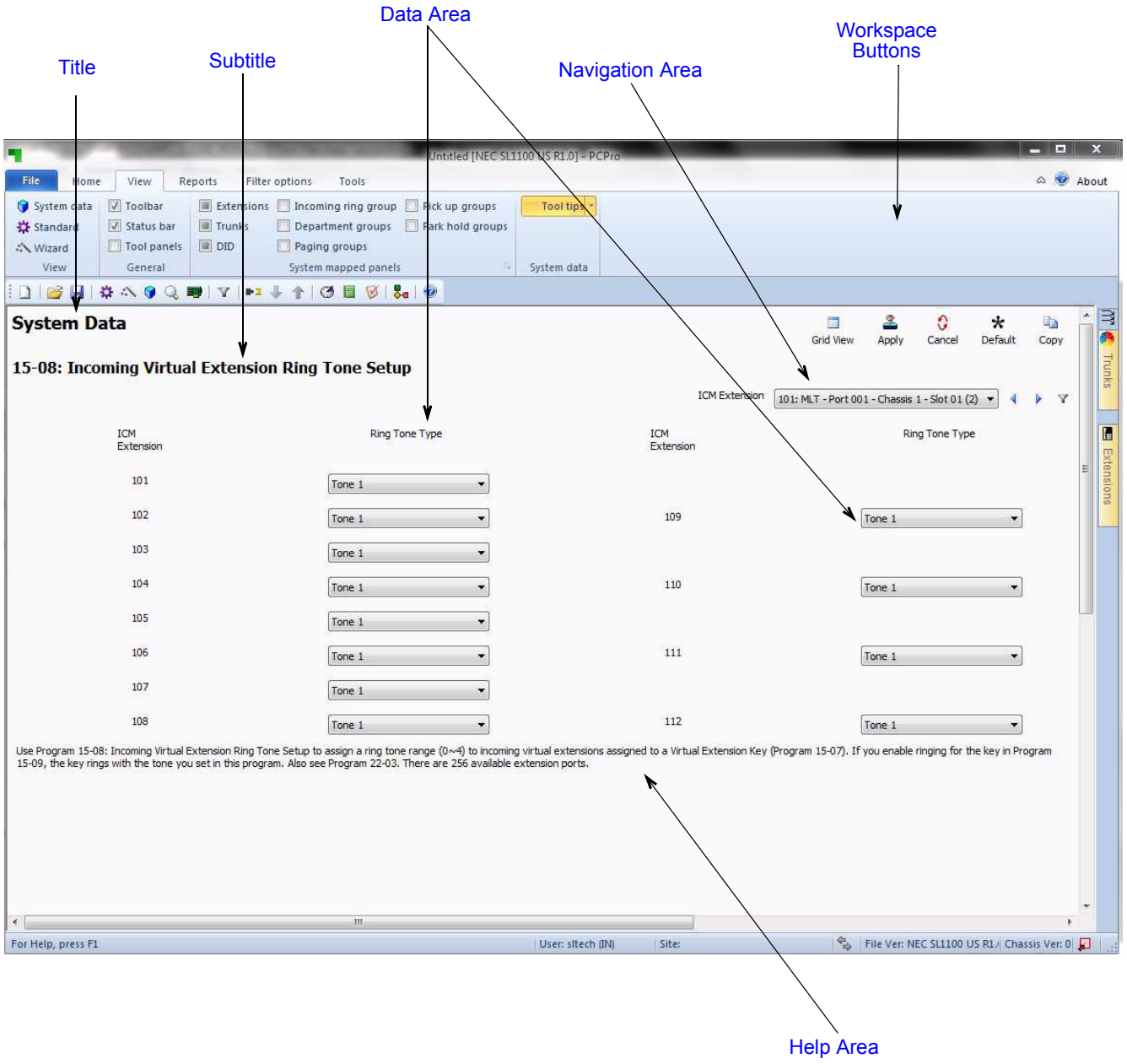


Figure 3-3 PCPro Workspace

5.1 Title

Title describes what the current settings in the Workspace are related to. This is associated with the selection made in the Submenu Area. The title is situated at the top left corner of the Workspace.

5.2 Subtitle

Subtitle shows further information about what the you are programming.

5.3 Workspace Buttons

The Workspace buttons area displays different buttons relevant to current programming. These buttons include:

Table 3-1 Workspace Buttons

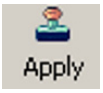
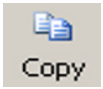
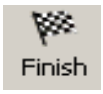
Button	Description
	**Apply** sets changes recently made on the active screen. Attempting to apply an invalid value prompts a validation message detailing the error. In this case, changes are not applied until the value is made valid.
	Back returns to the previous screen for the specified feature. This button is only available when using Wizards.
	Cancel discards recent changes made to the active screen that have not been applied and displays the Home screen in the Workspace.
	**Copy** shows the Copy dialog. Refer to Appendix B - Copy/Fill for more information.
	Default resets the active screen to the system default values.
	**Finish** indicates that this is the only program for this feature. Once you have entered the information for the program, you are finished programming the feature.

Table 3-1 Workspace Buttons

Button	Description
	Form View is available on screens that have a large number of values that must be entered (e.g., screens with telephone extensions). When Form View is selected, the screen switches to a table format, allowing you to more easily enter a large number of values for a specified extension. For example, if assigning your incoming virtual ring tones for internal extensions, you can switch from Grid View to Form View to list all of the extensions in table format. Note that this option is not available on all screens.
	Grid View is available on screens that have a large number of values that must be entered (e.g., screens with telephone extensions). When Grid View is selected, the screen switches to the default view, which displays the values with pulldown boxes. For example, if assigning you incoming virtual ring tones for internal extensions, you can switch between Grid View to Form View. Note that this option is not available on all screens.
	Next proceeds to the next screen for the feature. When all of the programs have been displayed for the selected feature, pressing Next returns you to the Main screen. This button is only available when using Wizards.

When you do not click the **Apply** button, but do one of the following, the system applies the changes as if you had clicked the **Apply** button.

- ❑ Attempt to leave the current screen.
- ❑ Attempt to navigate a different item within the system data.
- ❑ Use the Previous button.
- ❑ Use the Next button.
- ❑ Save the active configuration.
- ❑ Exit the application. (Note that on some screens, the system prompts you to save the changes or to exit without saving them.)
- ❑ Generate a report.

5.4 Navigation Area

To navigate to different items within a program, use the various navigation buttons.

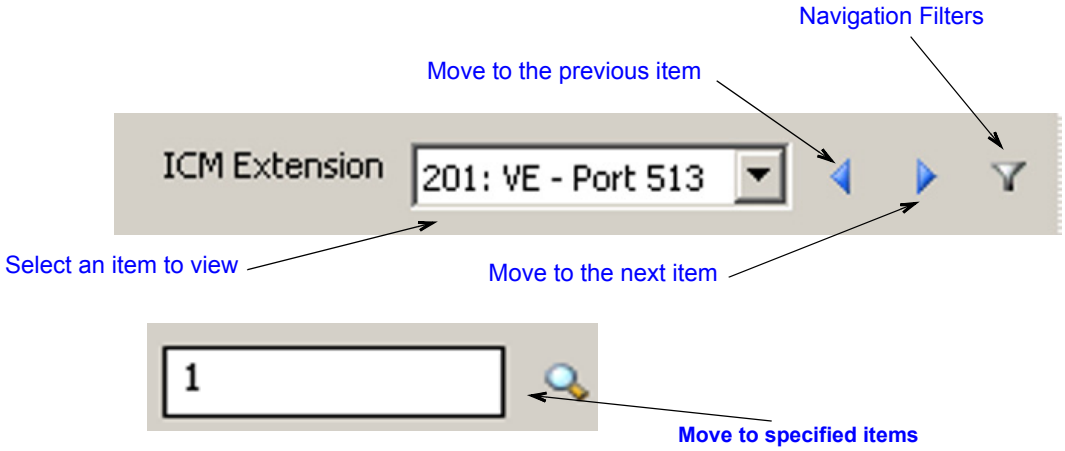


Figure 3-4 PCPro Navigation Buttons

Table 3-2 Navigational Buttons and Drop Down List

Button/Menu	Description
Selections	Select the item from the drop down list. PCPro automatically moves to the selected item.
Ranges	Use this button to select a range of values. Type in the value and press the 'Go' button (magnifying glass icon) or press **Enter**. PCPro displays a range of available items, beginning with the value you typed. For example, if you typed Station Port 300, PCPro displays a range of ports beginning with port 300.
Previous/Next	Use Previous to show settings of the preceding item. Use Next to show settings of the next item.

5.5 Data Area

The Data Area is where actual system data appears. The contents of this area are specific to what the you are programming. For example, if programming PRG 10-02, this area shows all the data items within 10-02.

The contents of the Data Area are linked to the various system data *views* available. These are:

- Standard
- Wizards
- System Data

5.6 Help Area

The Help Area shows help text relevant for the data in the Data Area. More extensive help can usually be found in the application online help (F1 key).

5.7 Status Bar

The status bar, which is a horizontal area at the bottom of the Workspace, provides information about the current state of what you are viewing in the Workspace and any other contextual information.

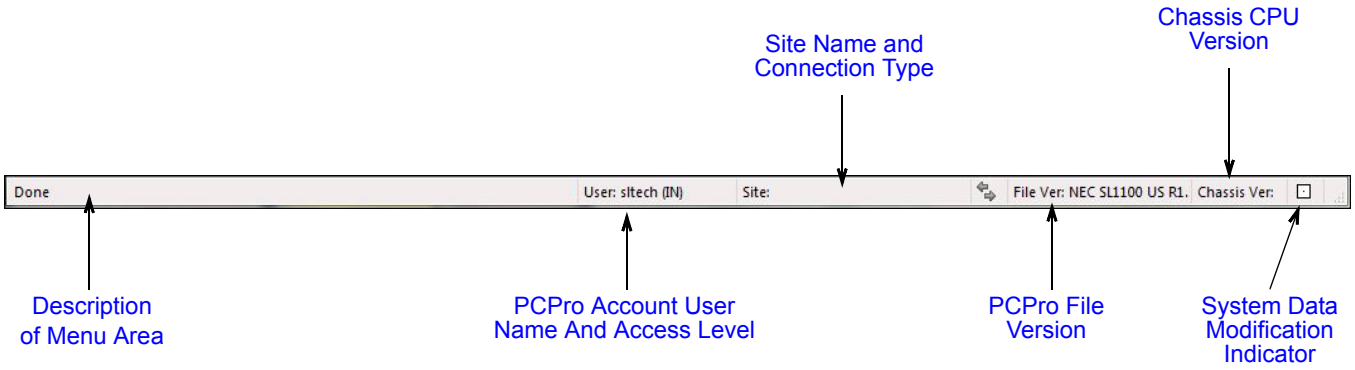


Figure 3-5 PCPro Status Bar

-- NOTES --

CHAPTER 4 *Standard View*

SECTION 1 OVERVIEW

Standard View combines related settings into one screen, allowing a quick setup of a high level task. Settings on these screens work together, allowing you to understand how settings relate to each other. Standard screens are grouped into System, Stations, Lines, InMail, and Maintenance. This name indicates the tasks with which the screen is related.

Auto Hide: Clicking this icon hides the Standard submenu list and docks the tabs on the left side of the screen.

Close: Clicking this icon closes the Standard submenu list and tabs.

Figure 4-1 Standard View Submenu

SECTION 2 STANDARD VIEW SUBMENU

2.1 Accessing Standard View

You can access Standard View submenu area using any of the following methods:

- From the Standard View submenu, select the Ribbon Item View**> Standard**.

  or…

- Press **F9**.

  or…

- If the submenu area is currently open, select the **Standard** tab depicting the purple cog icon.

Once selected, the Standard View menu appears in the Programming submenu area.

To view a particular Standard View screen, click on the screen name.

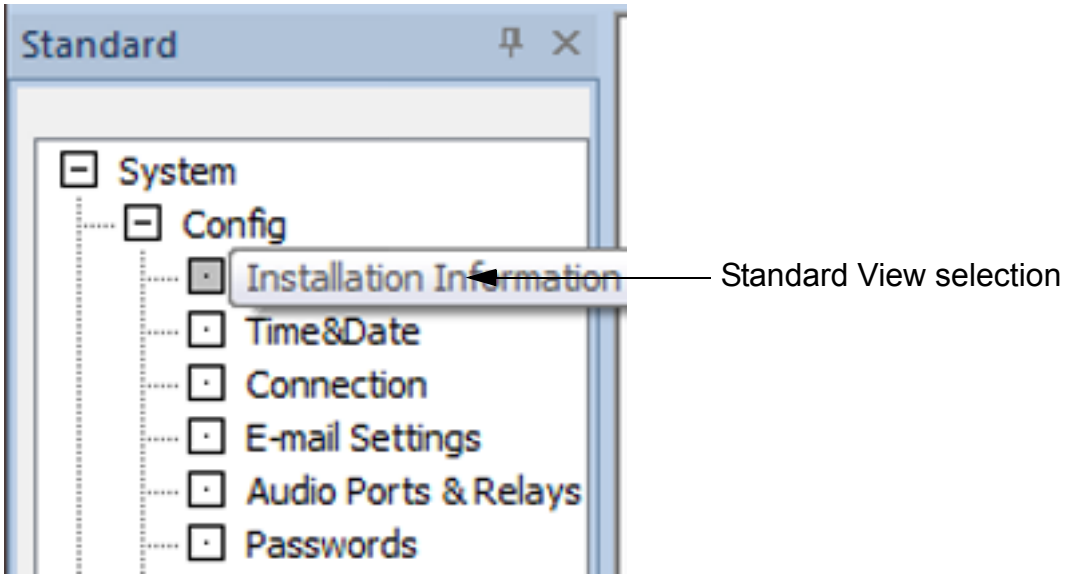


Figure 4-2 Selecting a Standard View Screen

2.2 Using a Standard View Screen

Each Standard View screen contains different programming items. However, the following common methods apply:

1. Select the Standard View screen from the Standard View menu relevant to the desired task.
2. Modify settings on the screen.
3. Press the **Apply** button to save the changes.

The method in modifying settings for each screen is explained in the help menu.

The remainder of this chapter discusses the individual options available from the Standard View submenu.

SECTION 3 SYSTEM

The System section of the Standard View is used to define the most common system wide settings in the SL1100. The System section consists of Config, Options, Blades/ Ports, Numbering, Dialing Rules, Class of Service, Timers, Speed Dials, VOIP, VoiceMail, SLNet, ACD, and Hotel/Motel settings. Each of these subsections will be displayed later in this section.

3.1 Config

Installation Information - define the Installation Date and the SMTP name for when alarm reports are e-mailed. (ex: smtp.your-isp.com)

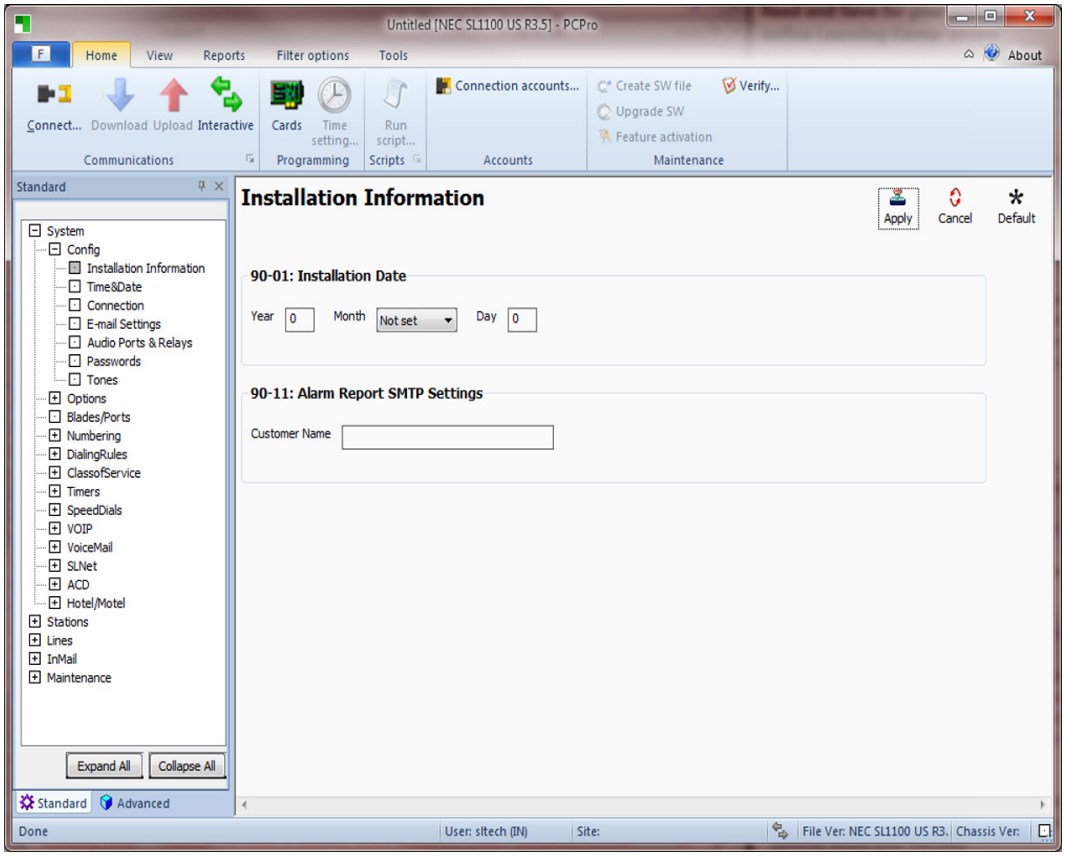


Figure 4-3 Installation Information Screen

Time&Date

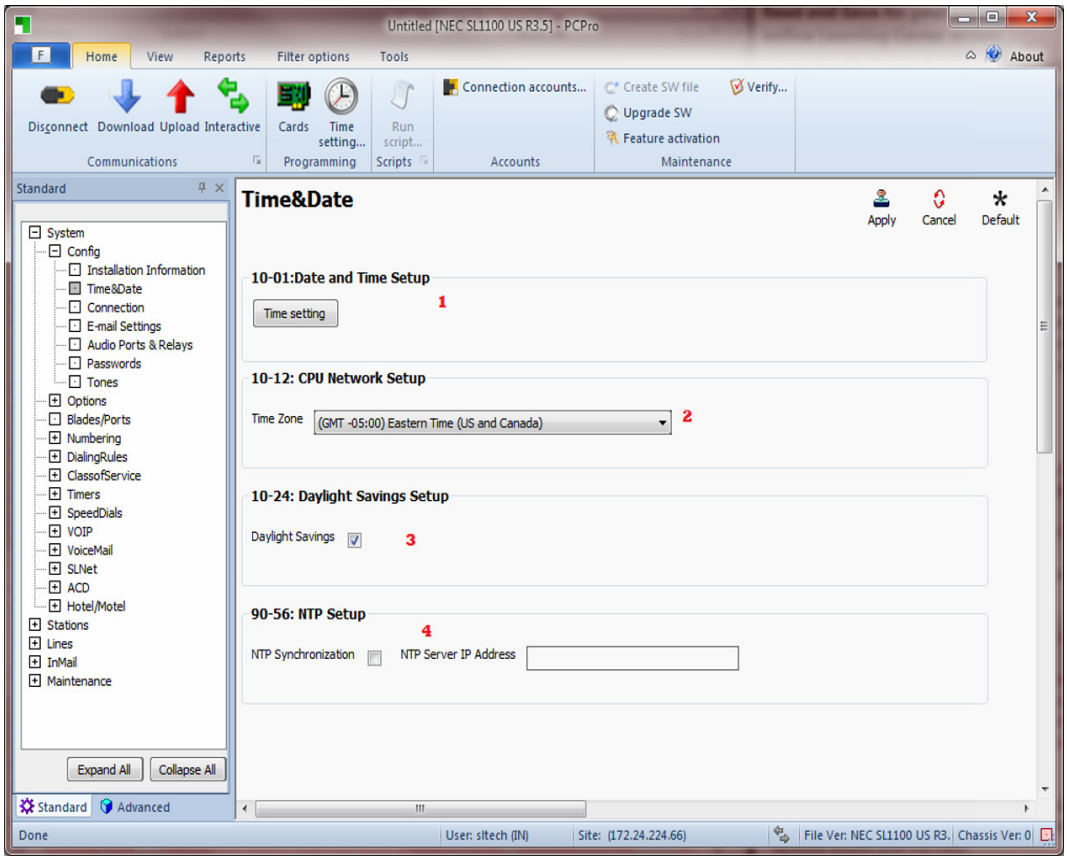


Figure 4-4 Time and Date

1. Define the Date and Time by clicking the time settings button. You must be connected to the system for this button to be active.
2. Define the Time Zone for the CPU.
3. Select if the system will follow Daylight Savings time.
4. If they system is to get it's time using Network Time Protocol, enable it and define the IP address of the NTP Server.

Connection

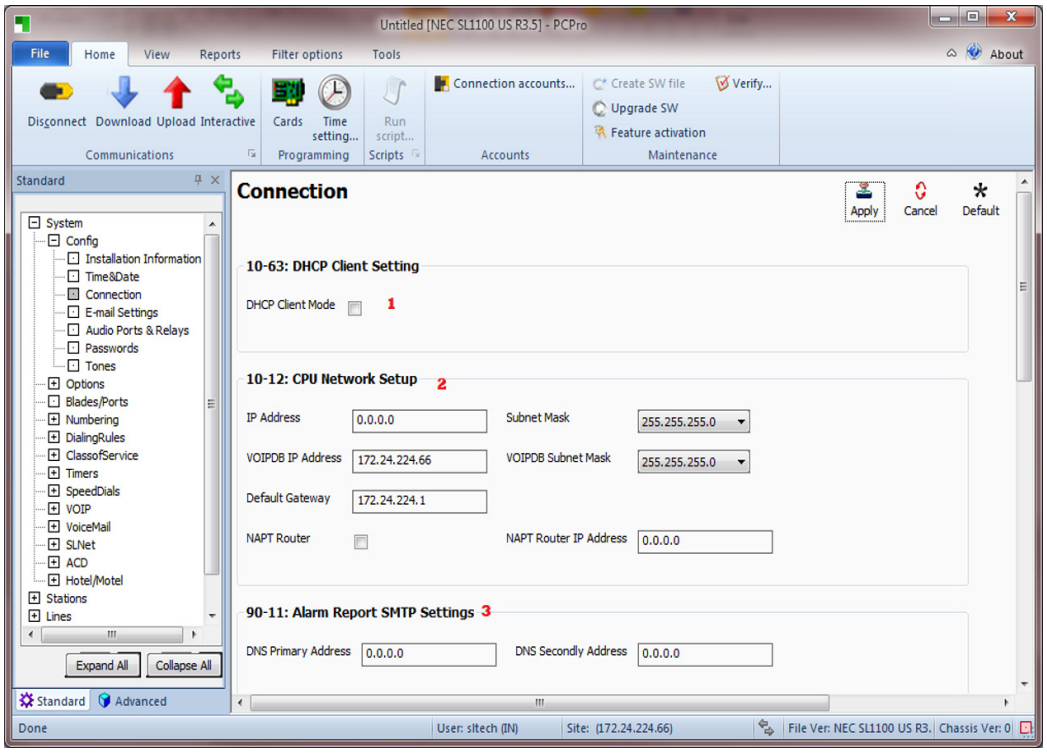


Figure 4-5 Connection Screen

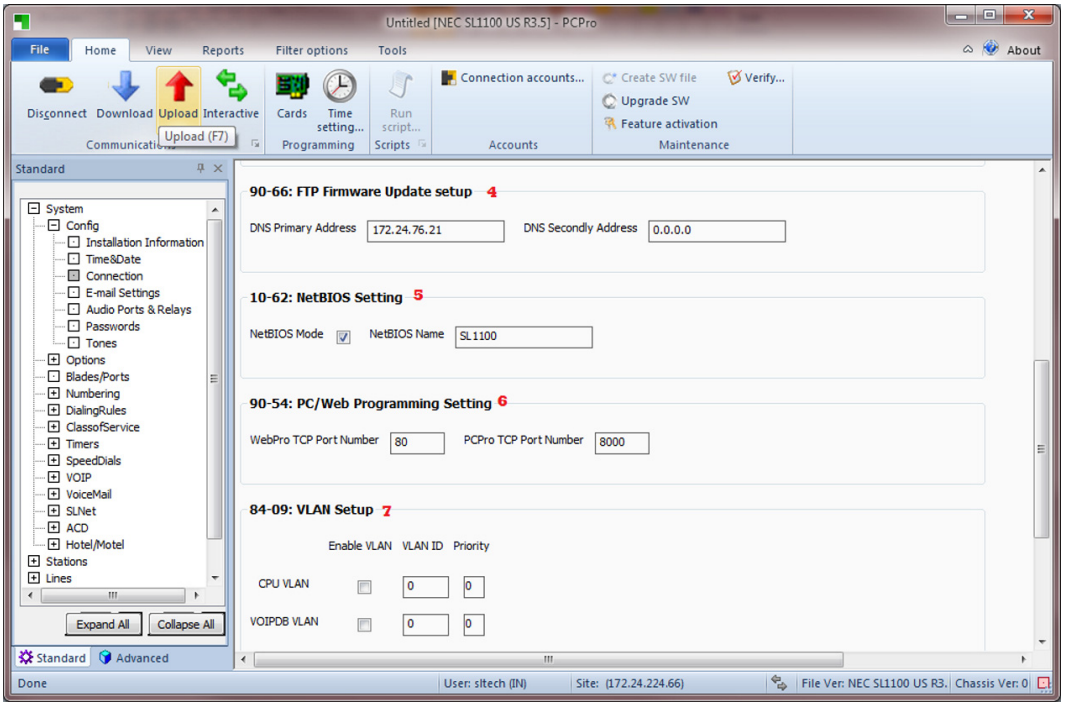


Figure 4-6 Connection Settings

1. If the SL1100 is to get it's IP Address via DHCP, enable it by checking DHCP Client Mode.
2. If the SL1100 is to have a static IP address, define the IP Address, Subnet Mask, VoIPDB IP Address, VOIPDB Subnet Mask, Default Gateway, NAPT Router, and NAPT Router IP Address.
3. When alarm reports are to be emailed, Define the DNS Primary and Secondary addresses.
4. Define the DNS Primary and Secondary addresses for FTP Firmware Update.
5. Define the NetBIOS Settings
6. If the PC Pro and Webpro ports need to be changed, change them in PC/Web Programming Settings.
7. Define the VLAN Setup for the CPU port and VOIPDB Port.

E-Mail Settings

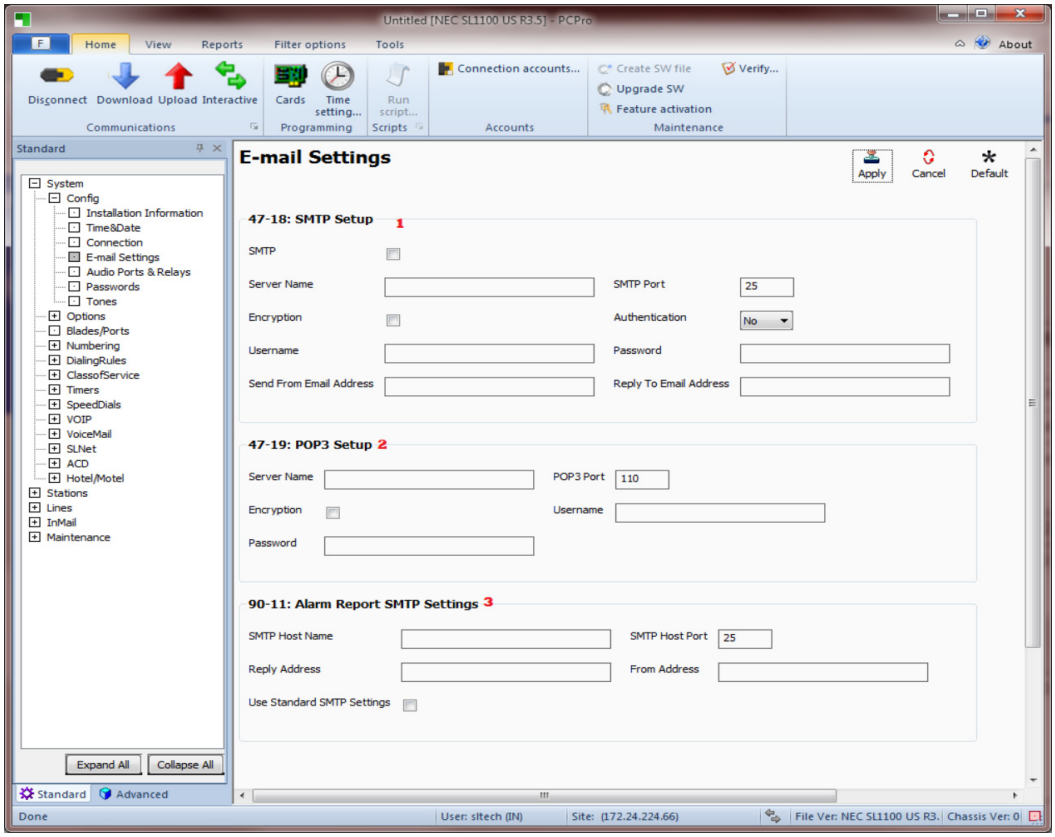


Figure 4-7 E-Mail Settings

1. Define the SMTP settings, if InMail SMTP e-mail notification is used.
2. Define the POP3 settings if InMail POP3 e-mail notification is used.

3. Define the Alarm Report SMTP Settings if Alarm Reports are to be emailed.

Audio Ports & Relays

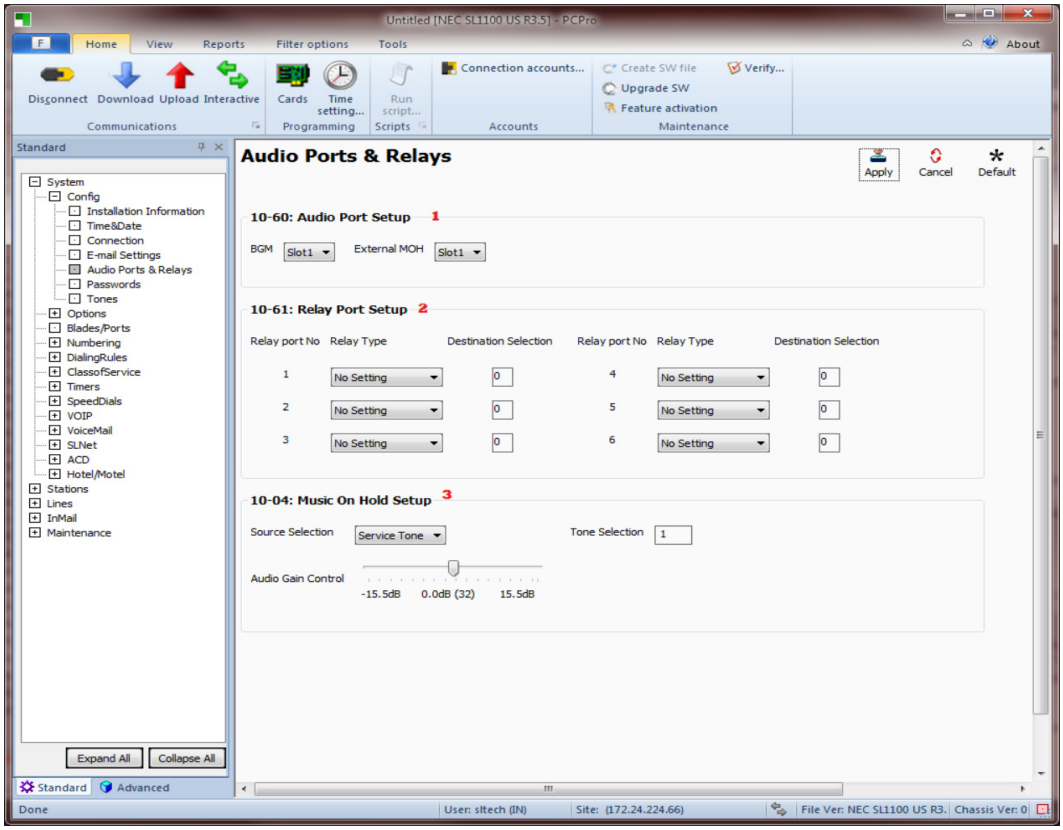


Figure 4-8 Audio Ports and Relays

1. Define the source for Background Music and External Music on Hold.
2. Define the Relay Port Settings
3. Define the Music on Hold Settings

Passwords

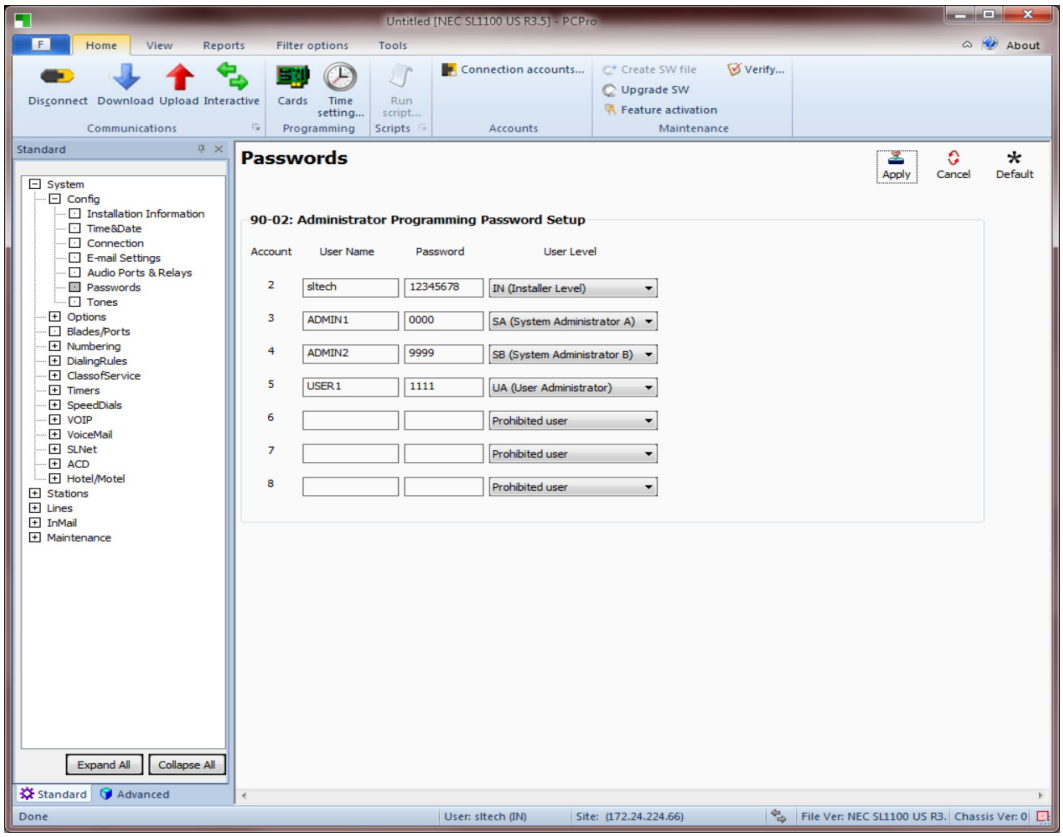


Figure 4-9 Passwords Screen

1. If needed, edit or add Administrator Programming Passwords.

Tones

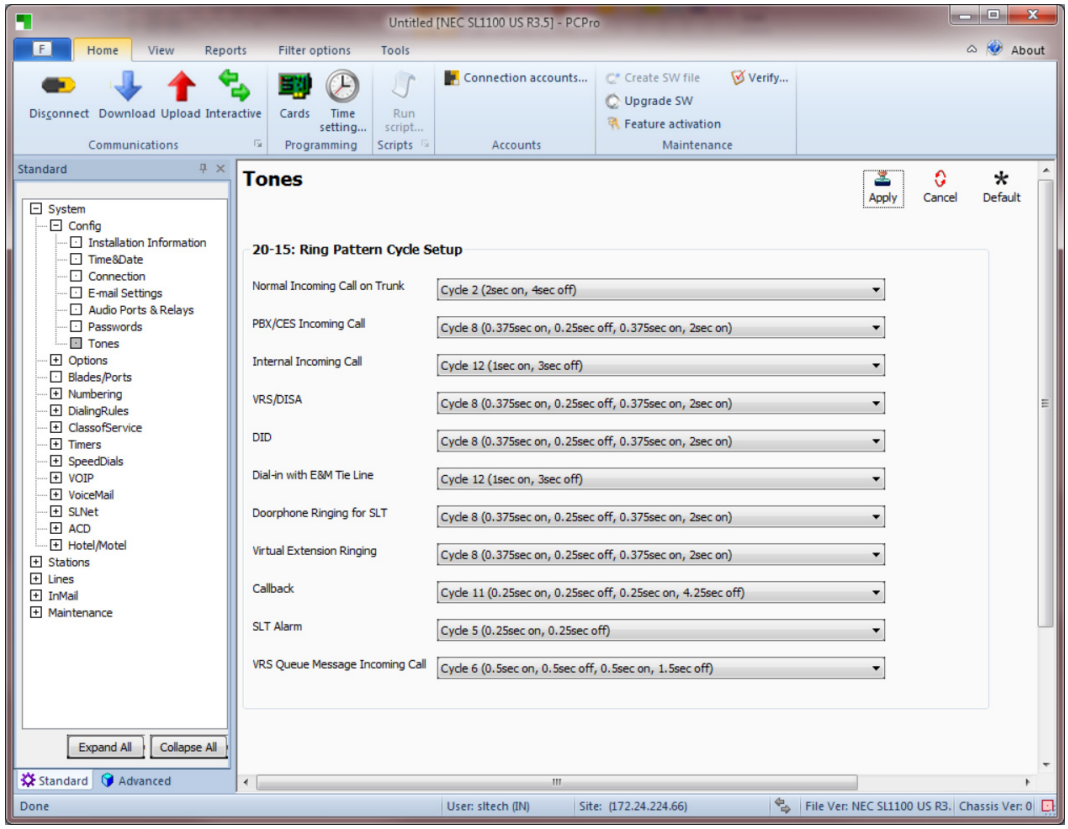


Figure 4-10 Tones Screen

1. Define the ring cycle for each of the ring tones.

3.2 Options

Setup

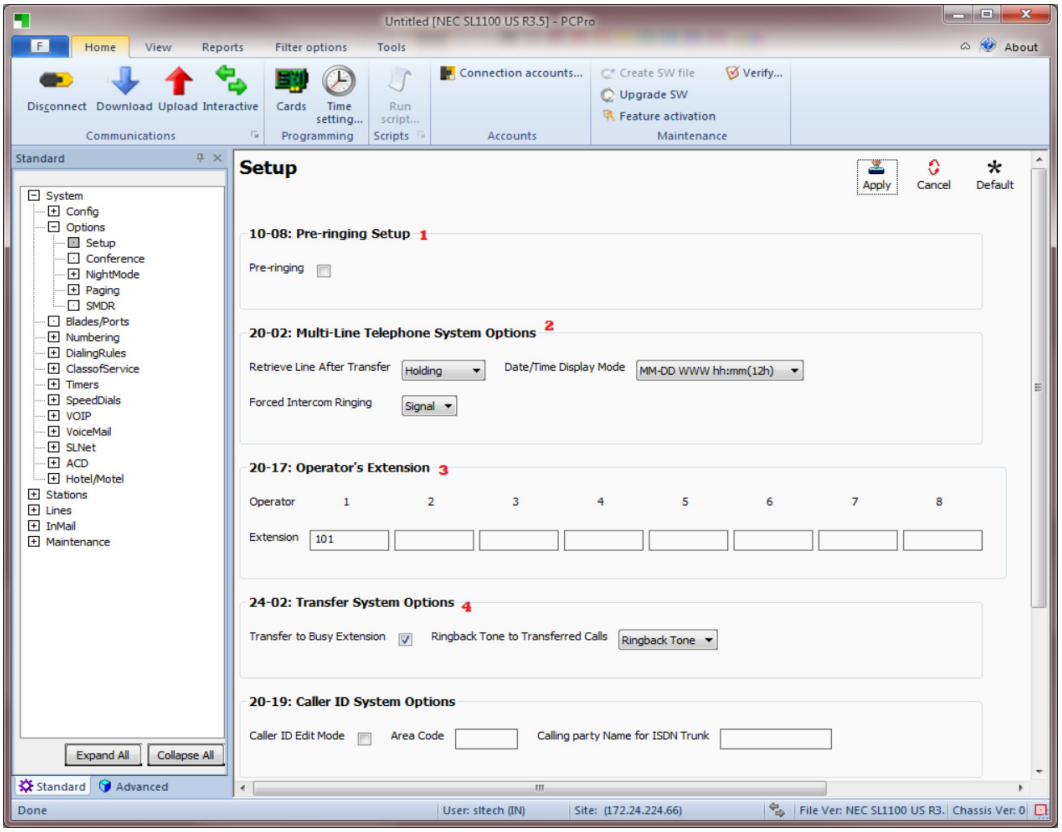


Figure 4-11 Options Setup Screen

1. Enable or Disable pre-ringing for trunk calls.
2. Define the Multi-Line Telephone Options
3. Define the Operator's Extension(s)
4. Define the Transfer System Options
5. Define the Caller ID System Options

Conference

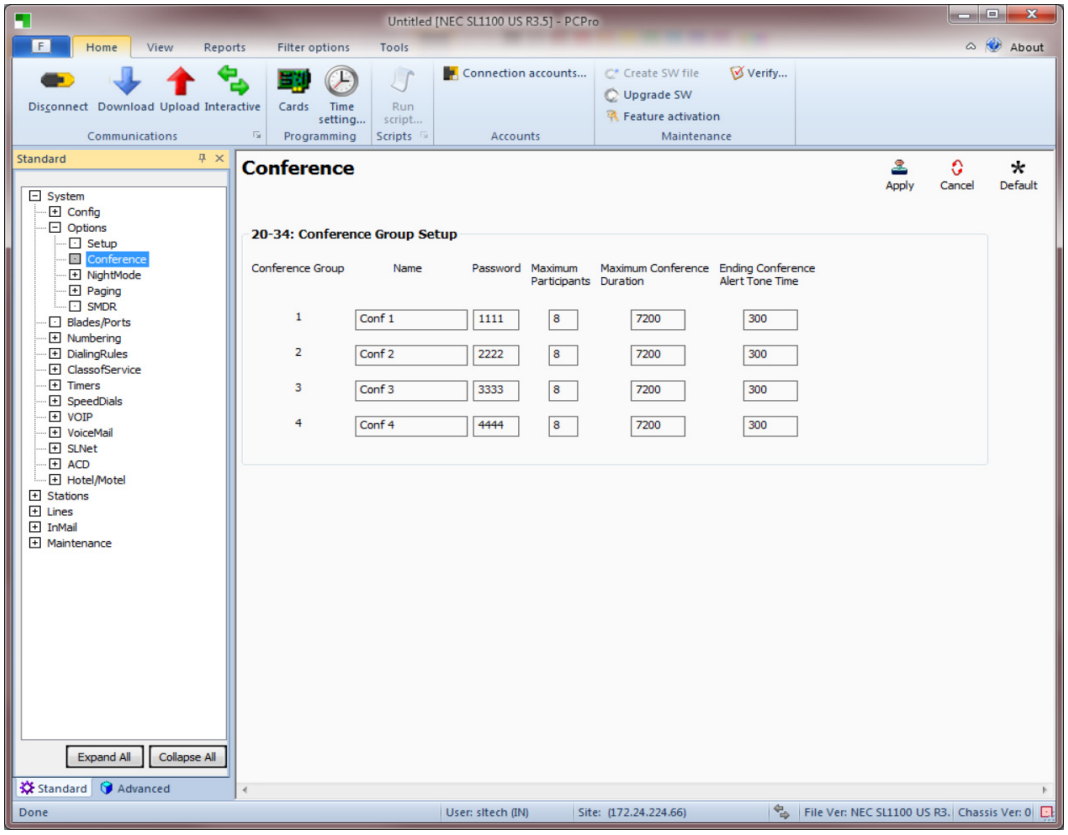


Figure 4-12 Conference Screen

1. Define the Conference Group Setup.

Night Mode

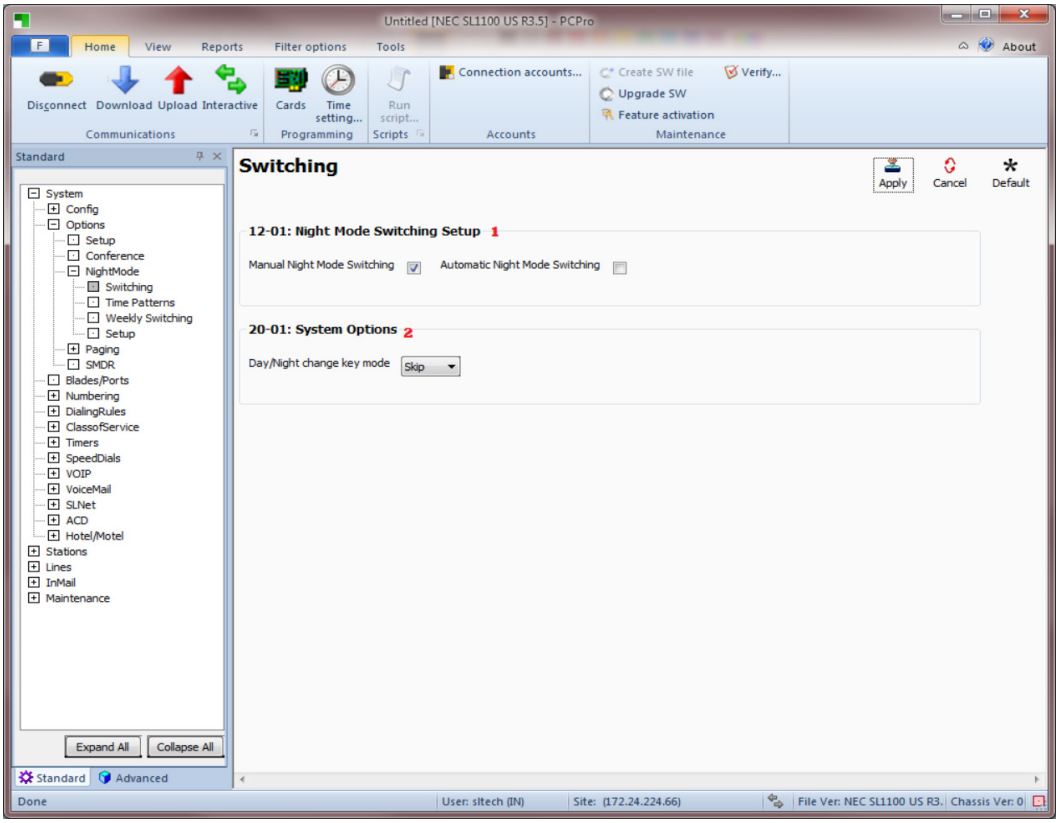


Figure 4-13 Night Mode Switching Screen

1. Define the Night Mode Switching Setup.
2. Define the operation of the Night Mode Key.

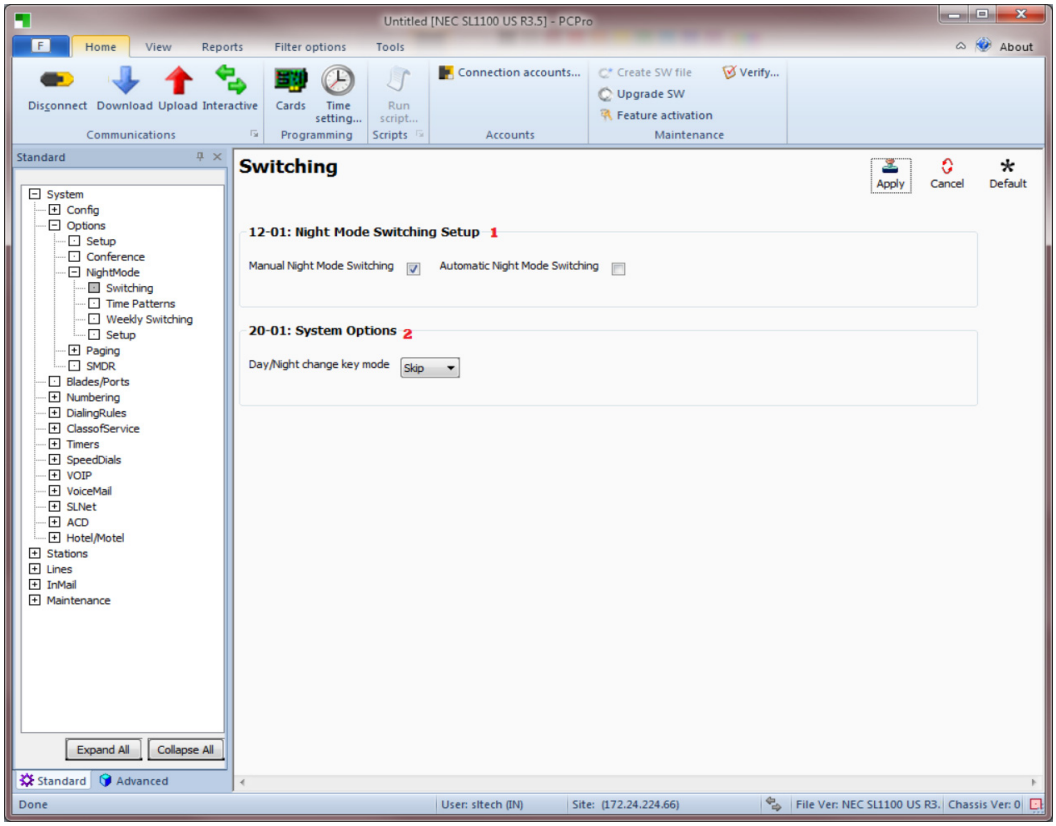


Figure 4-14 Night Mode Screen (continued)

1. Define the Time Patterns for Automatic Night Service.

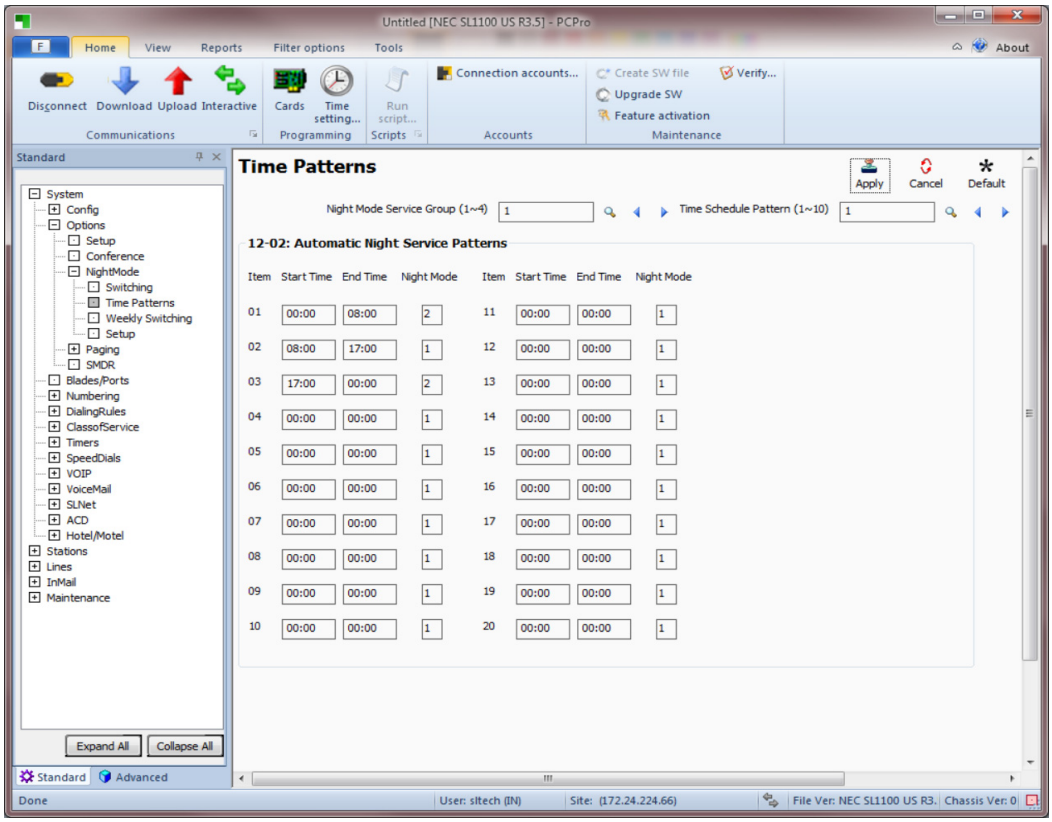


Figure 4-15 Time Pattern Settings

1. Define the time pattern each Night Mode Service group will follow an each day of the week.

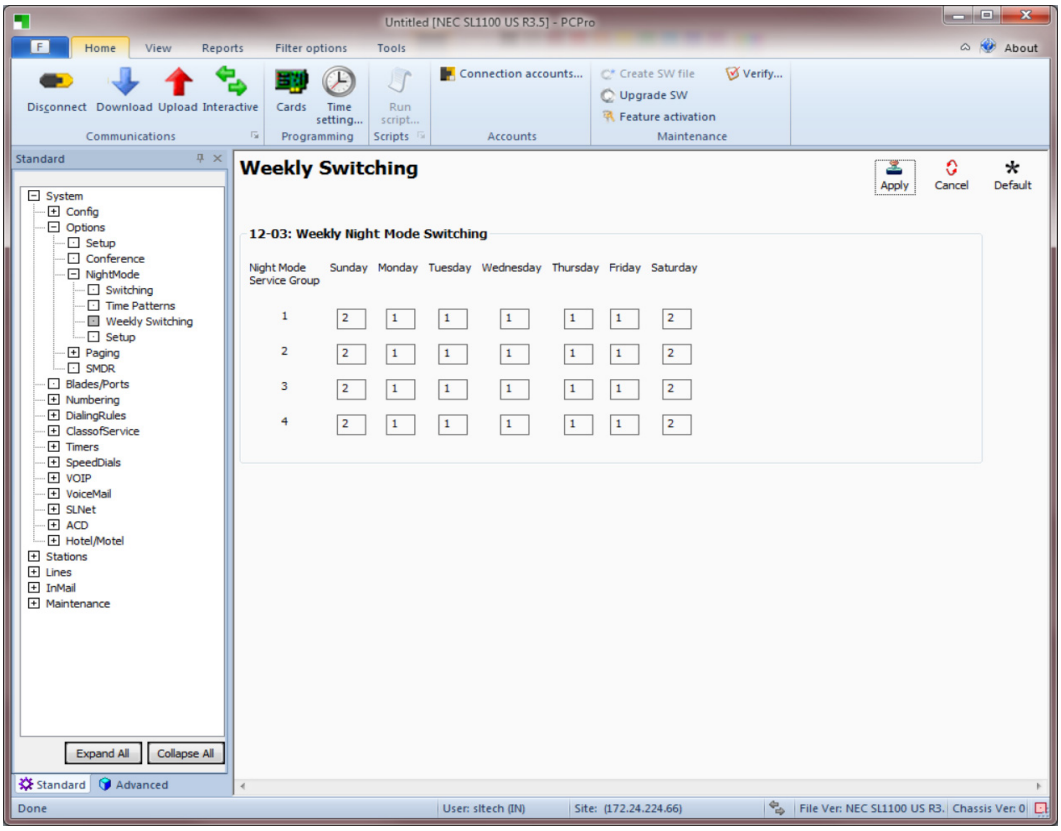


Figure 4-16 Weekly Night Mode Settings

1. Define the Night Mode Name for each Night Mode Service Group.
2. Define the Night Mode the Toggle key toggles between.

Paging

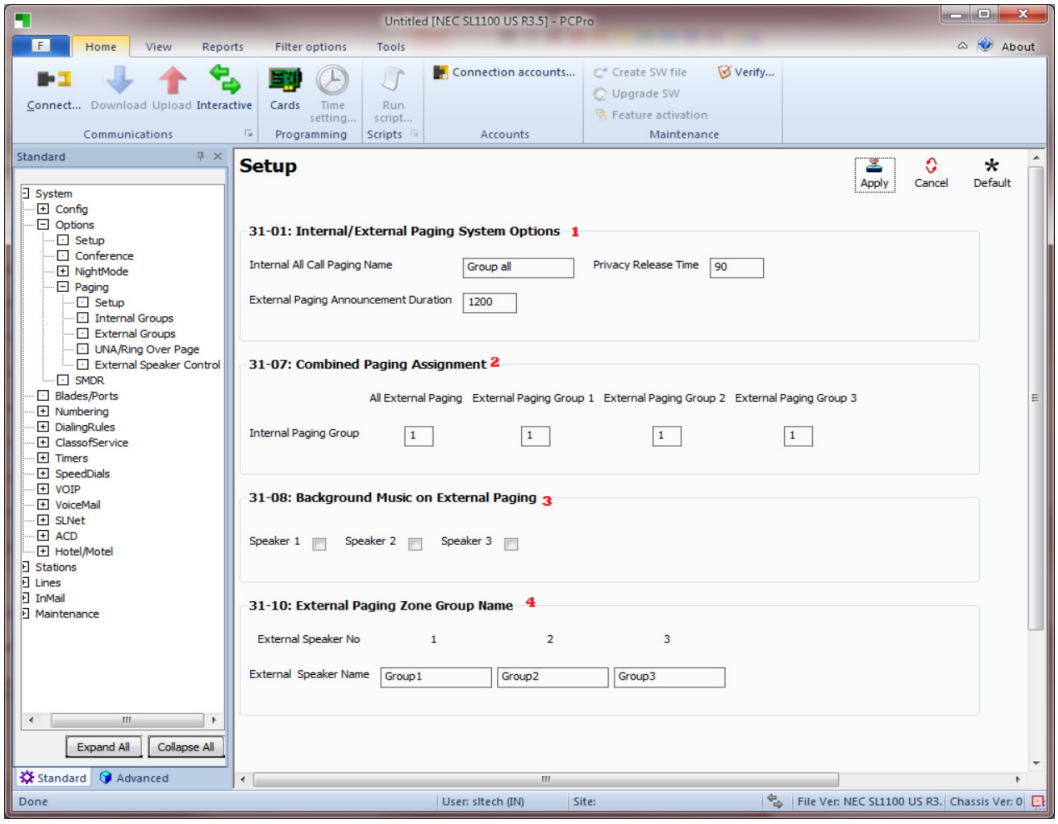


Figure 4-17 Paging

1. Define the Internal and External Paging Options
2. Assign an External Paging Group to an Internal Paging Zone for Combined Paging.
3. Define the Background Music option for each External Paging Zone.
4. Define the External Paging Zone Group names.

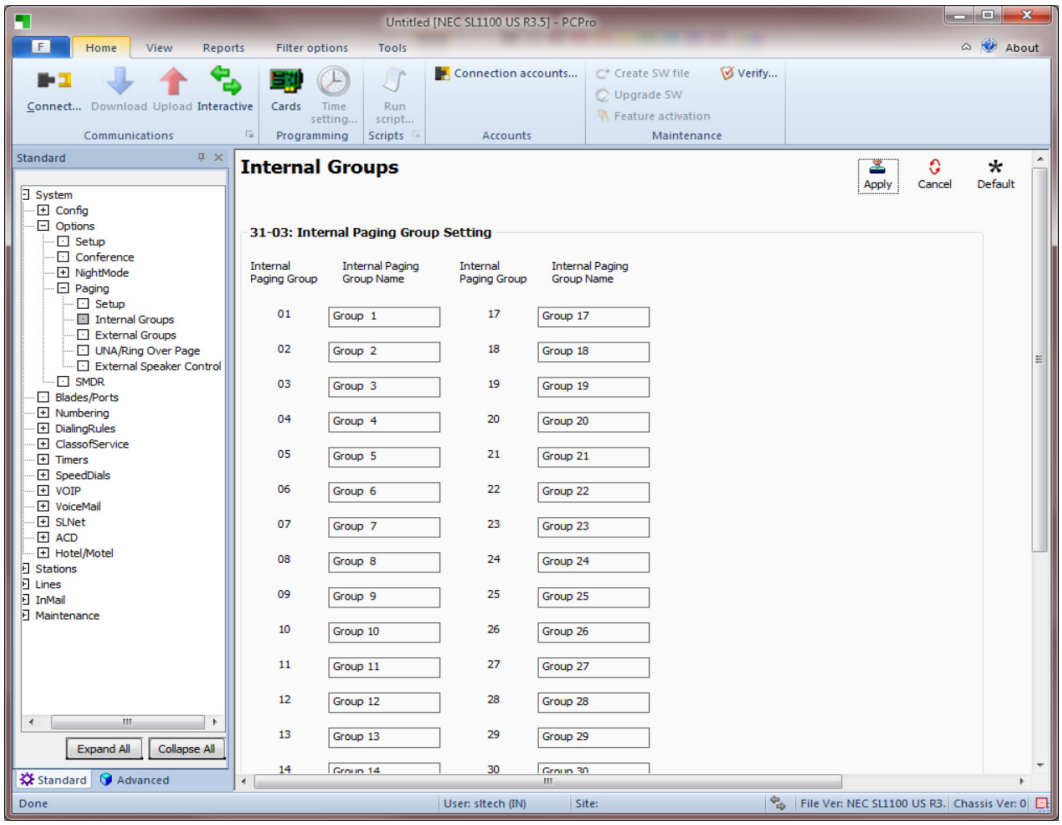


Figure 4-18 Internal Paging Group Setting

1. Assign names to Internal Paging Groups.

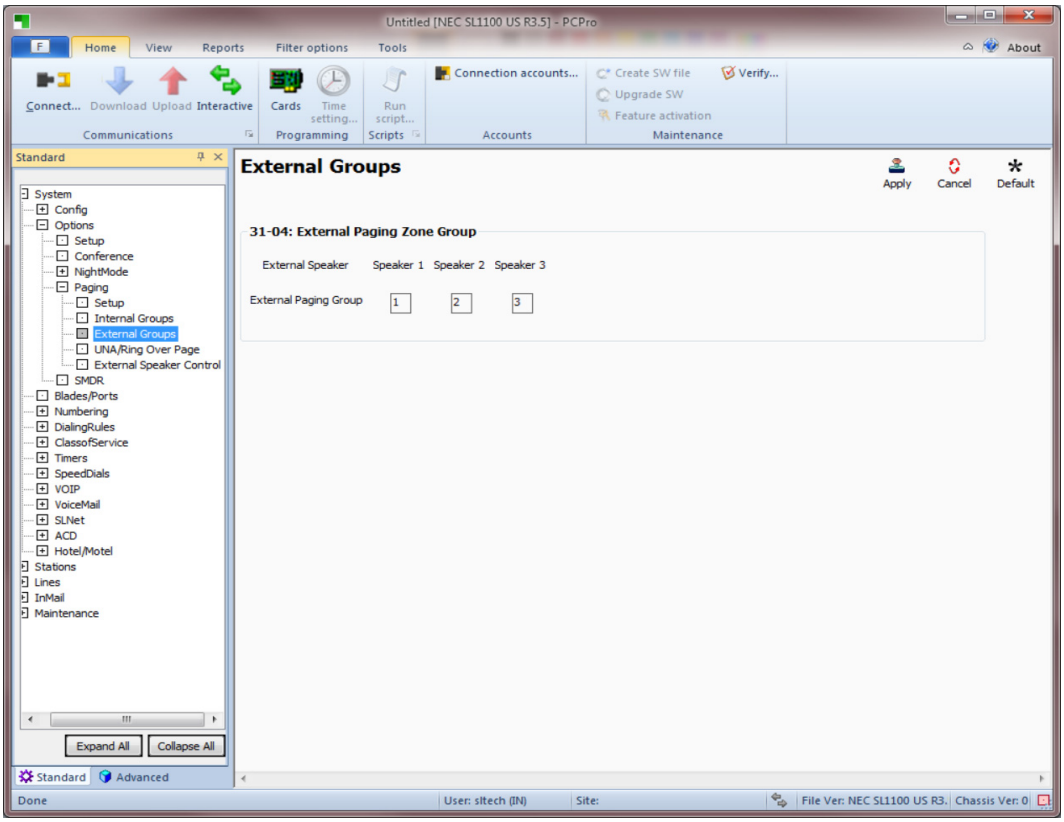


Figure 4-19 External Paging Groups

1. Assign each External Paging zone to an External Paging group.

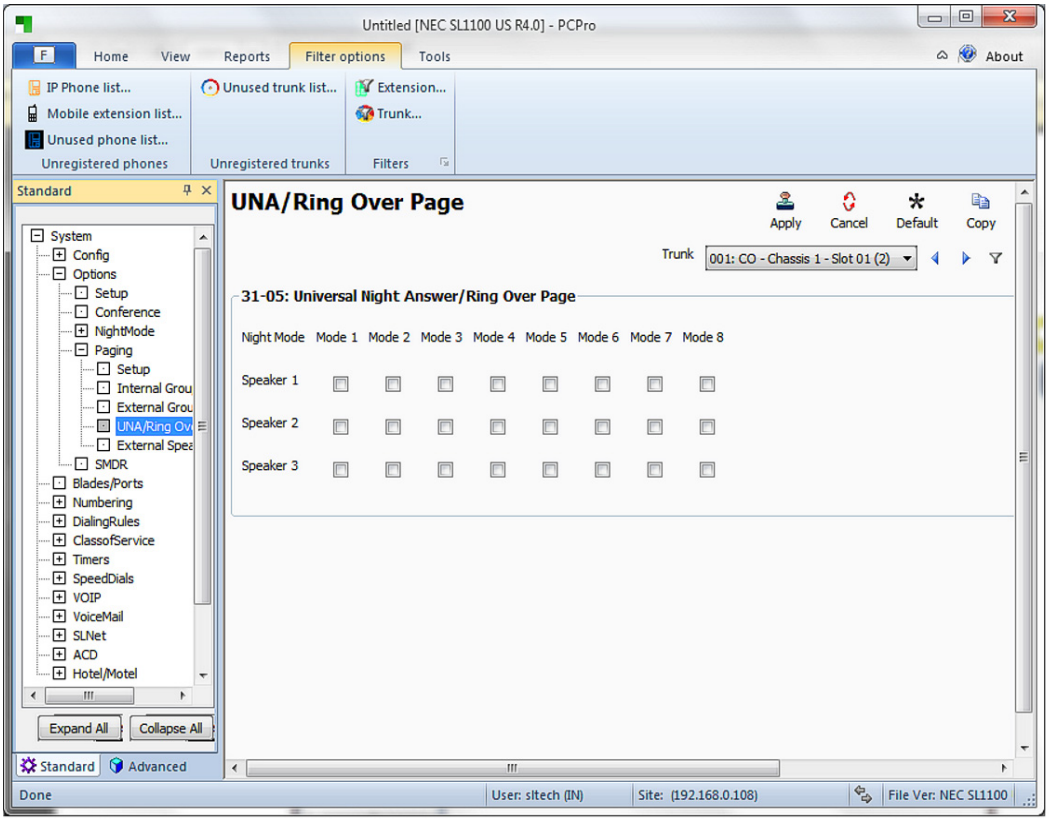


Figure 4-20 Universal Night Answer

1. Assign Universal Night Answer ringing to each external Paging Zone.

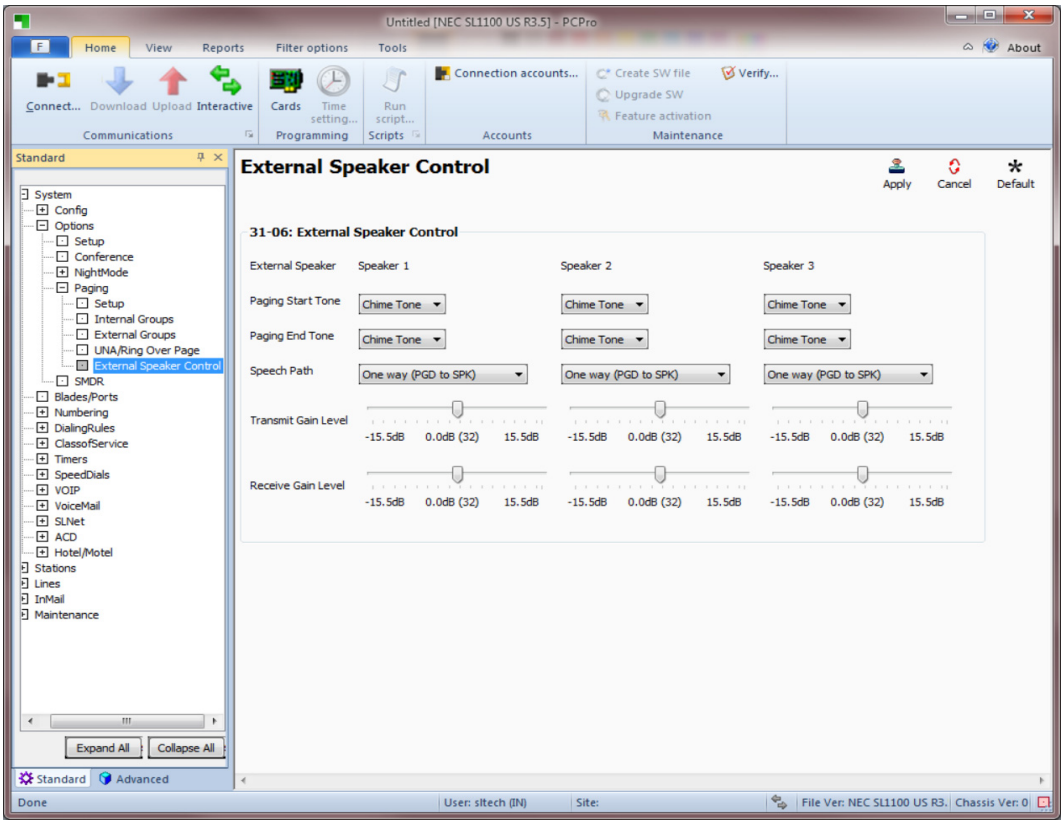


Figure 4-21 External Speaker Settings

1. Define the settings for the external speaker using an amplifier.

SMDR

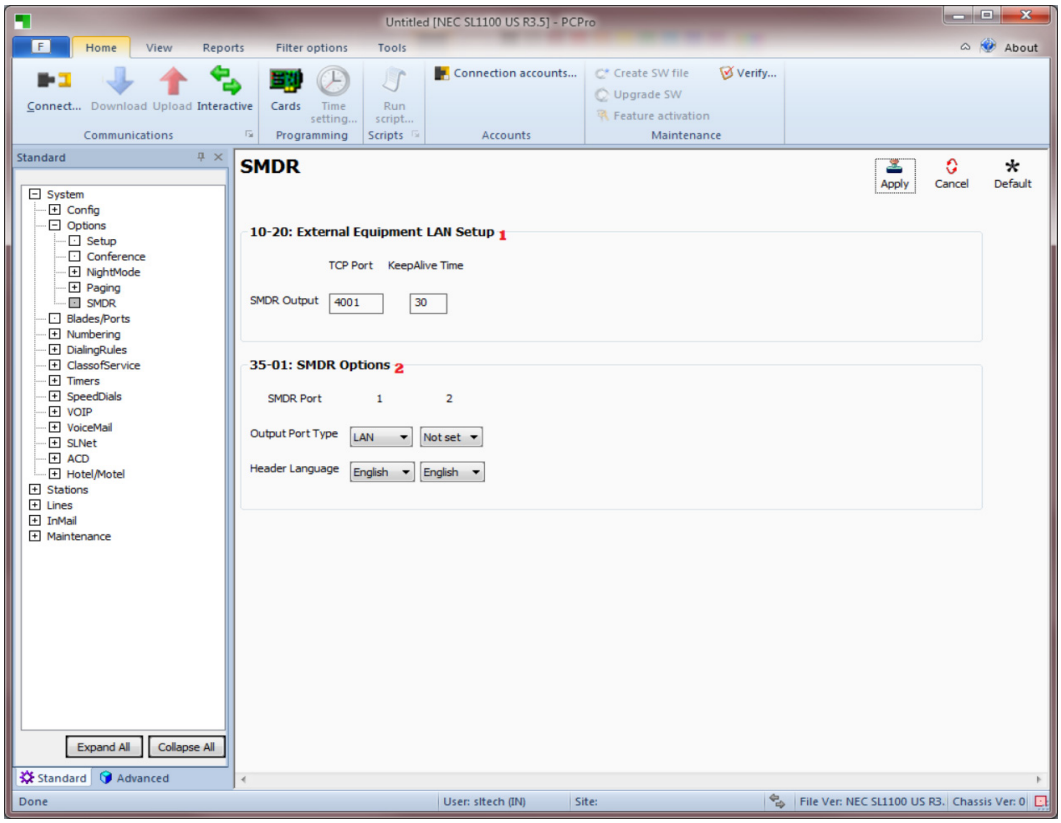


Figure 4-22 SMDR Screen

1. Define the TCP Port and KeepAlive Time for SMDR Output.
2. Define the SMDR Port Type and Header Language.

3.3 Blades/Ports

The screen represents a conceptual model of the chassis and the blade packages within it. To obtain blade details download the configuration from the chassis. The blade slots display the blade types (these are the blades that can be inserted in the selected slot), the telephone/trunk port range (these are the ports used by the blade) and firmware version (firmware being used by the blade).

On this screen, you can right mouse click on the desired slot. A popup menu is displayed indicating the configurable options for that slot. Once you have selected the blade that is installed in that slot, the blade name is displayed on the front of the slot location.

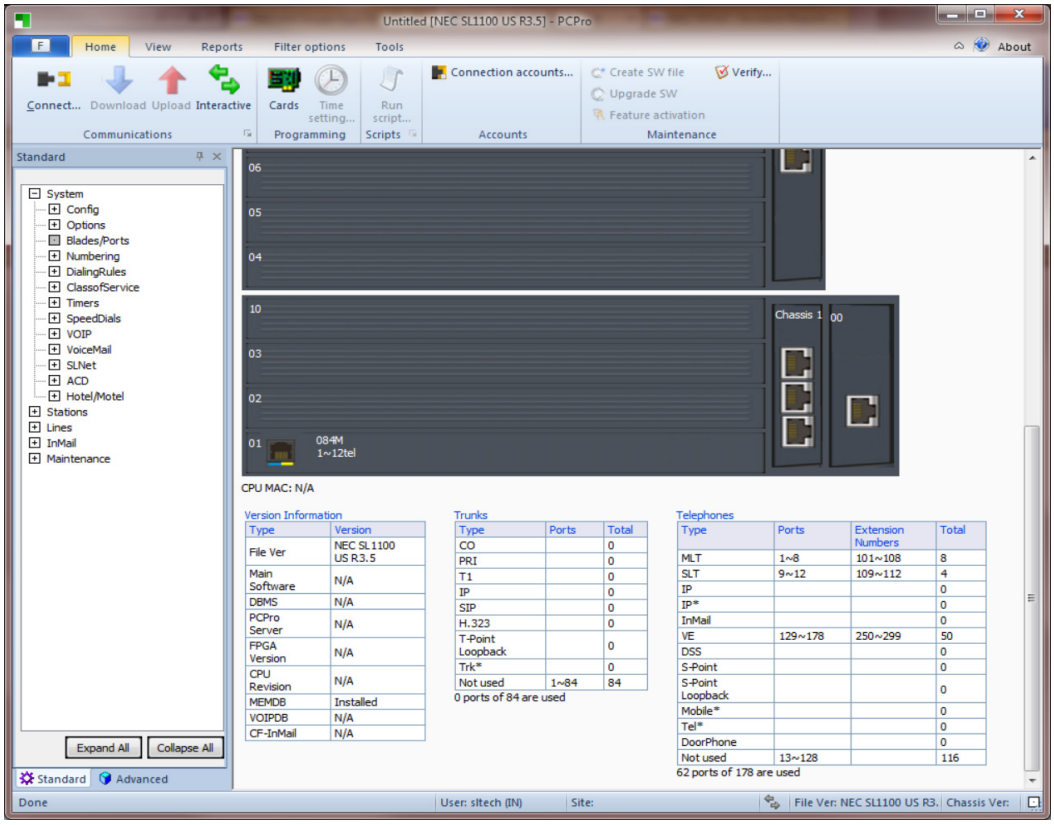


Figure 4-23 Blades/Ports

3.3.1 Adding a Blade

To add a blade, complete the following steps:

1. With the mouse, right click on the slot where you want the blade to reside.
2. A popup menu appears listing the blade types that can be installed. *There are two additional options on the popup menu. These are Configure Card and Delete Card. Note that these two options are only available if a blade has previously been added.*
3. Select a blade type relevant to the blade to install.
4. Another popup menu appears listing blades associated with the selected blade type.
5. Select the desired blade package you want to add. The slot changes appearances indicating the blade installed, the firmware version being used, the port type, and the port range being used.

3.3.2 Removing a Blade

To remove a blade, complete the following steps:

1. With the mouse, right click on the blade you want to remove.
2. When the popup menu is displayed, select **Delete Card**. The blade is removed and the slot and port type range it was utilizing is now available for use by another blade.

3.4 Numbering

Numbering Plan-System Numbering

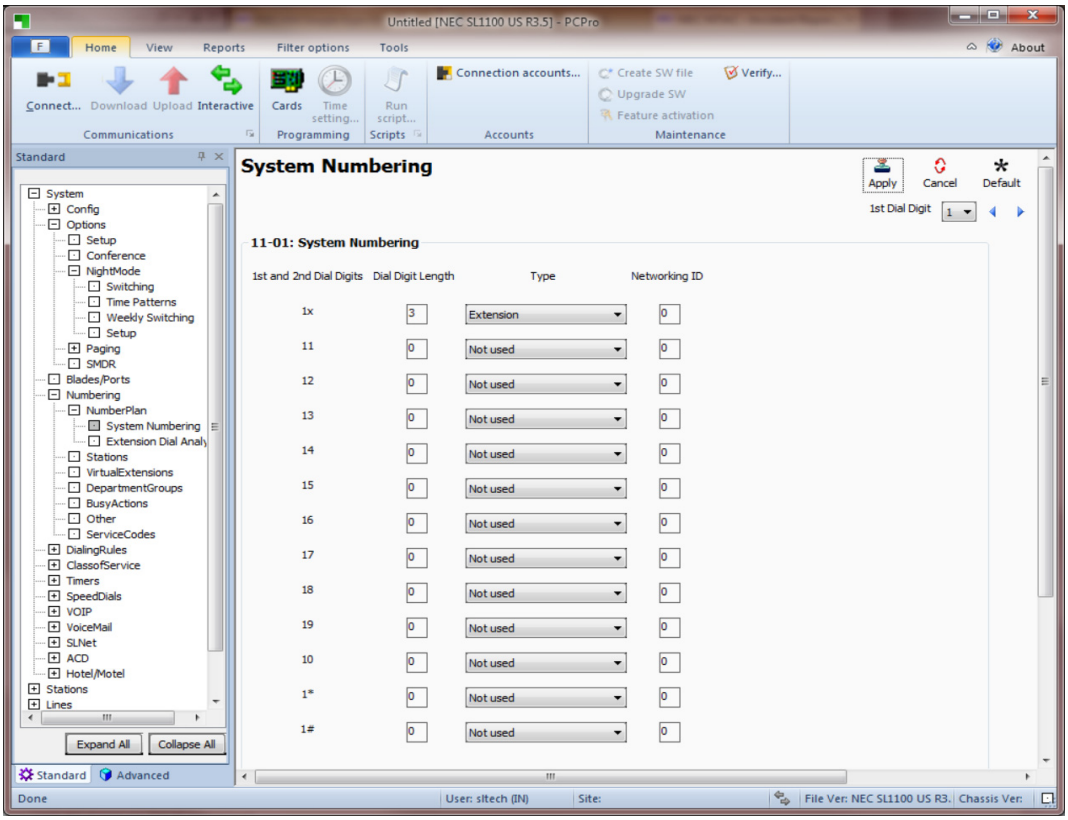


Figure 4-24 Numbering Plan - System Numbering

Define the digit length and Dial type for each digit. If the Numbering Plan will be broken out past the 1st digit, set the dial type to Dial Extension Analyze.

Numbering Plan-Extension Dial Analyze

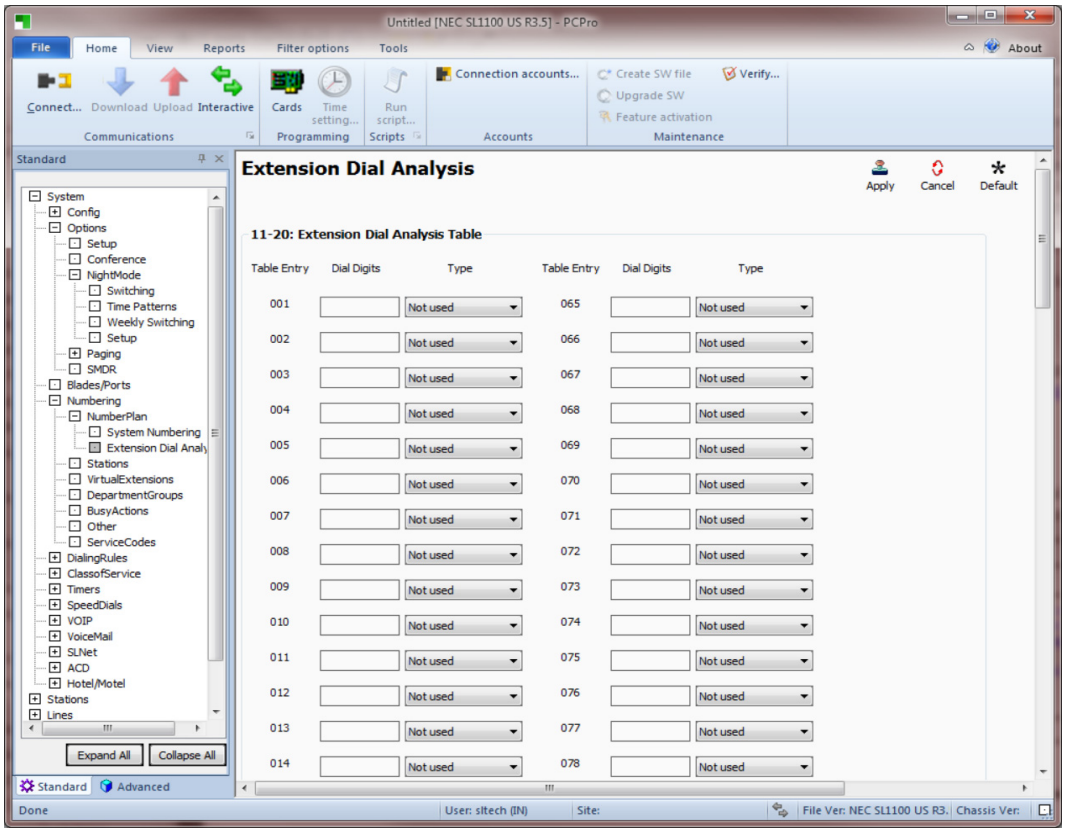


Figure 4-25 Numbering Plan - Extension Dial Analysis

If the Numbing Plan is broken out past the 1st digit, define the Dial Digits and their dial type.

Stations

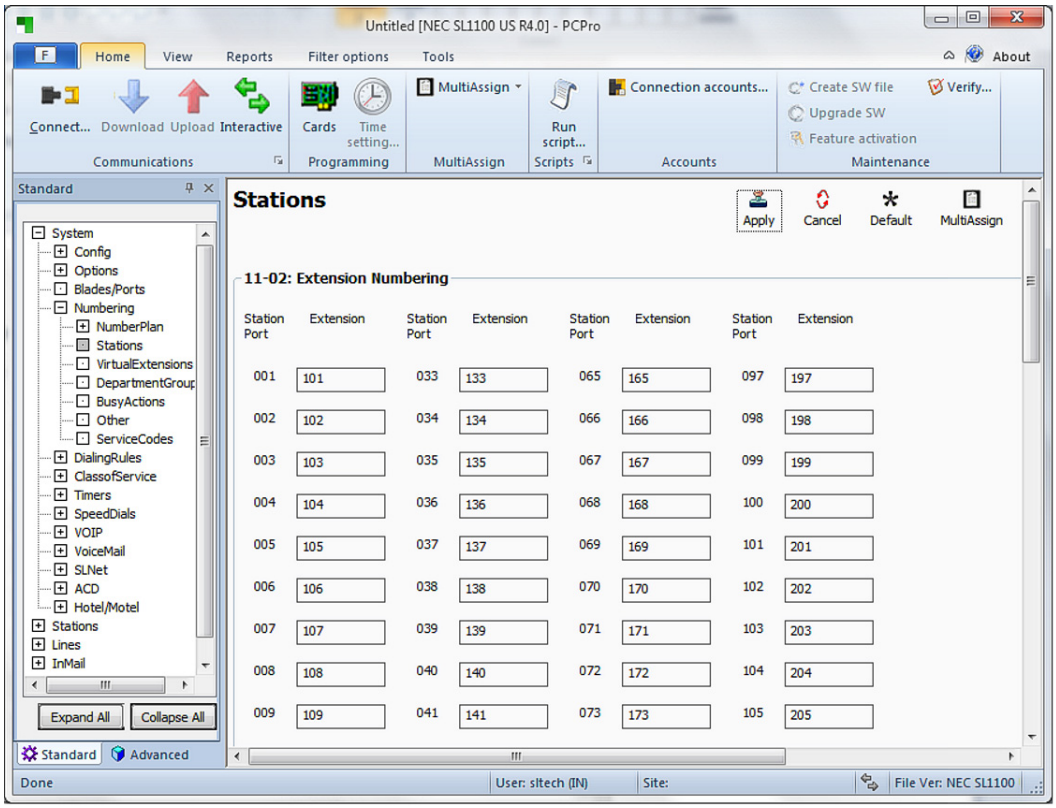


Figure 4-26 Stations Screen

Assign extension numbers to station ports.

Virtual Extensions

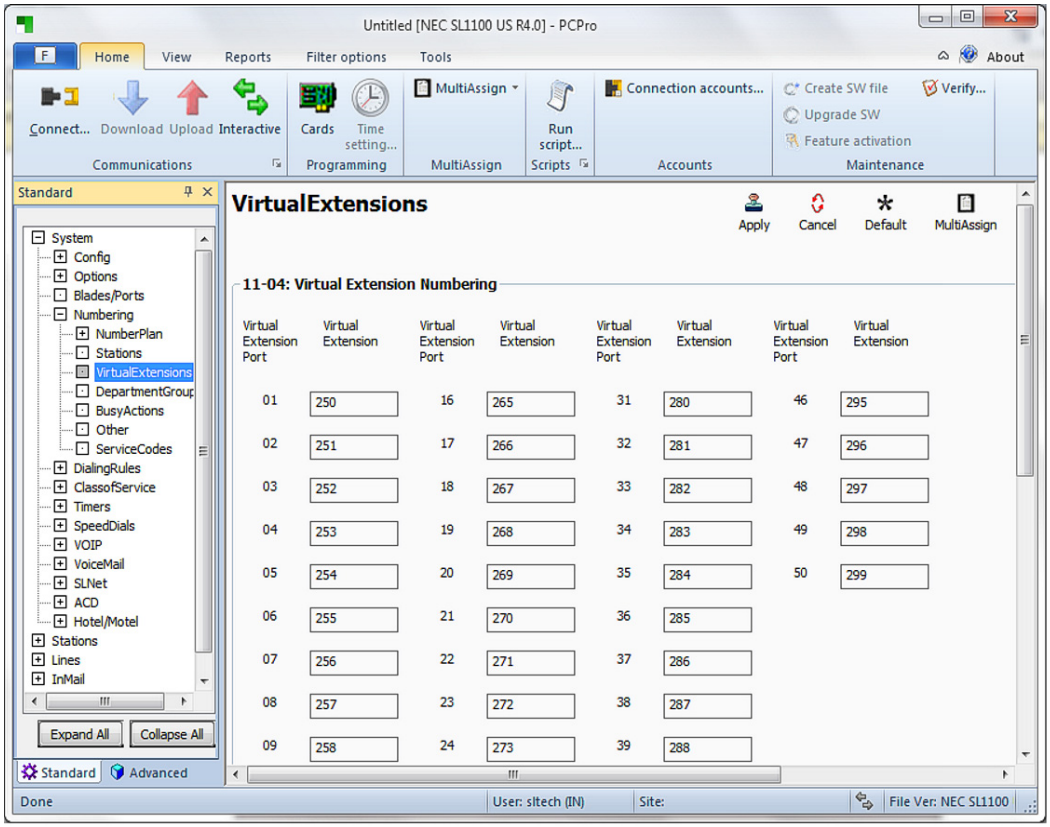


Figure 4-27 Virtual Extensions

Assign extension numbers to Virtual Extension ports.

Department Groups

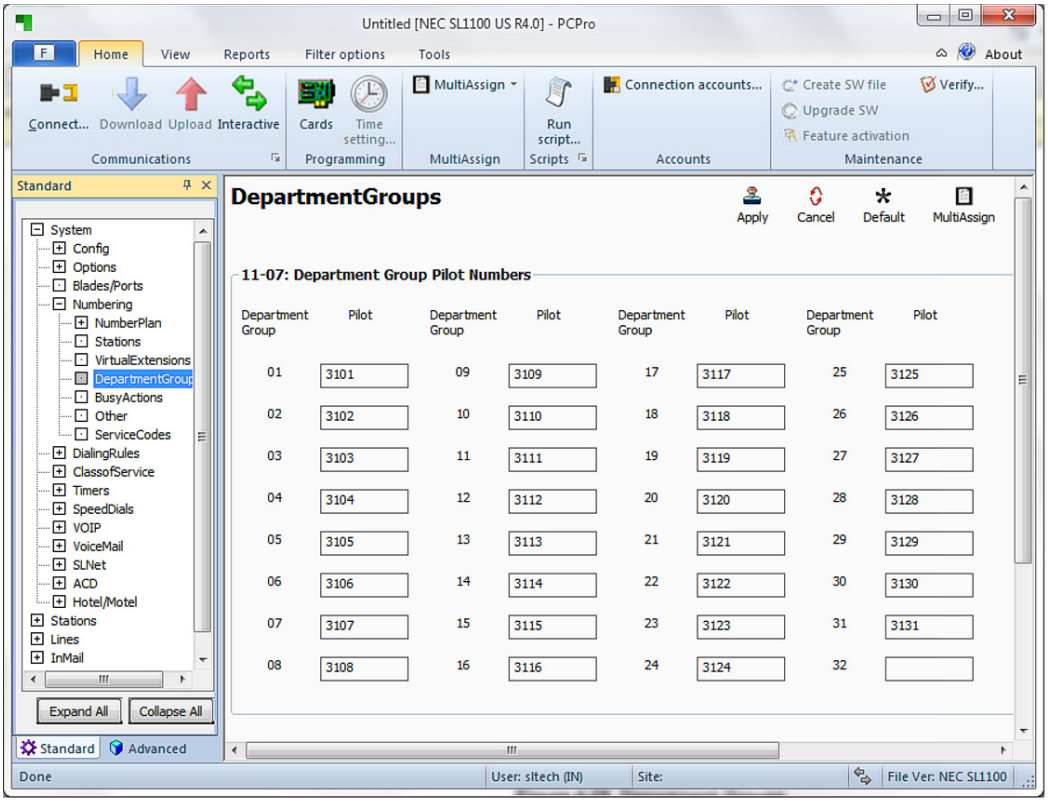


Figure 4-28 Department Groups

Assign Pilot numbers to each Department Group

Busy Actions

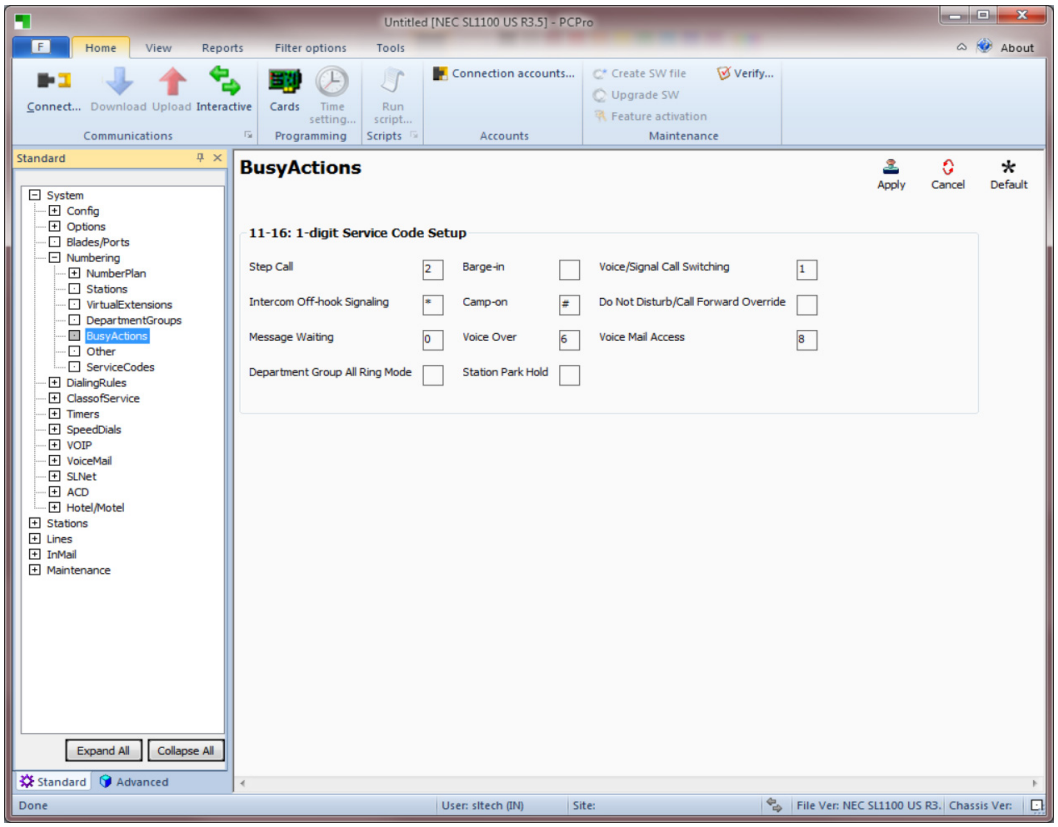


Figure 4-29 Busy Actions

Assign the 1-Digit Service Codes.

Other

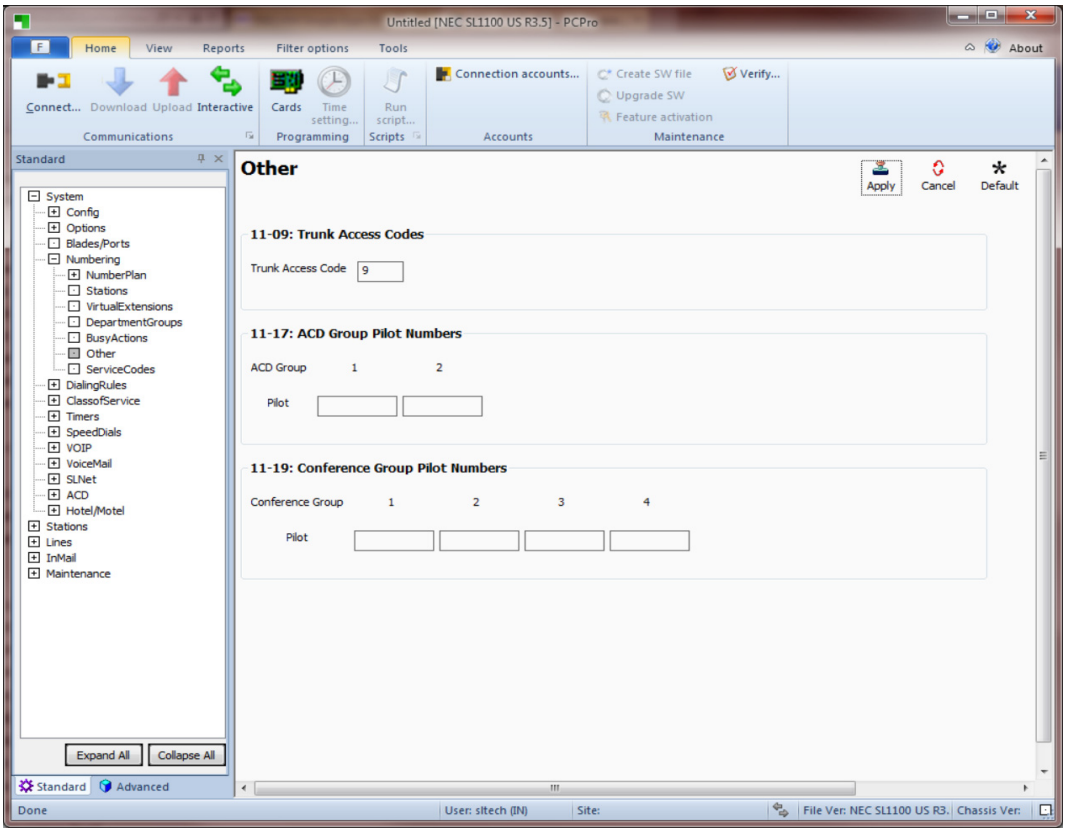


Figure 4-30 Other Settings

Assign the Trunk Access Code, ACD Pilot Numbers, and Conference Group Pilot Numbers.

Service Codes

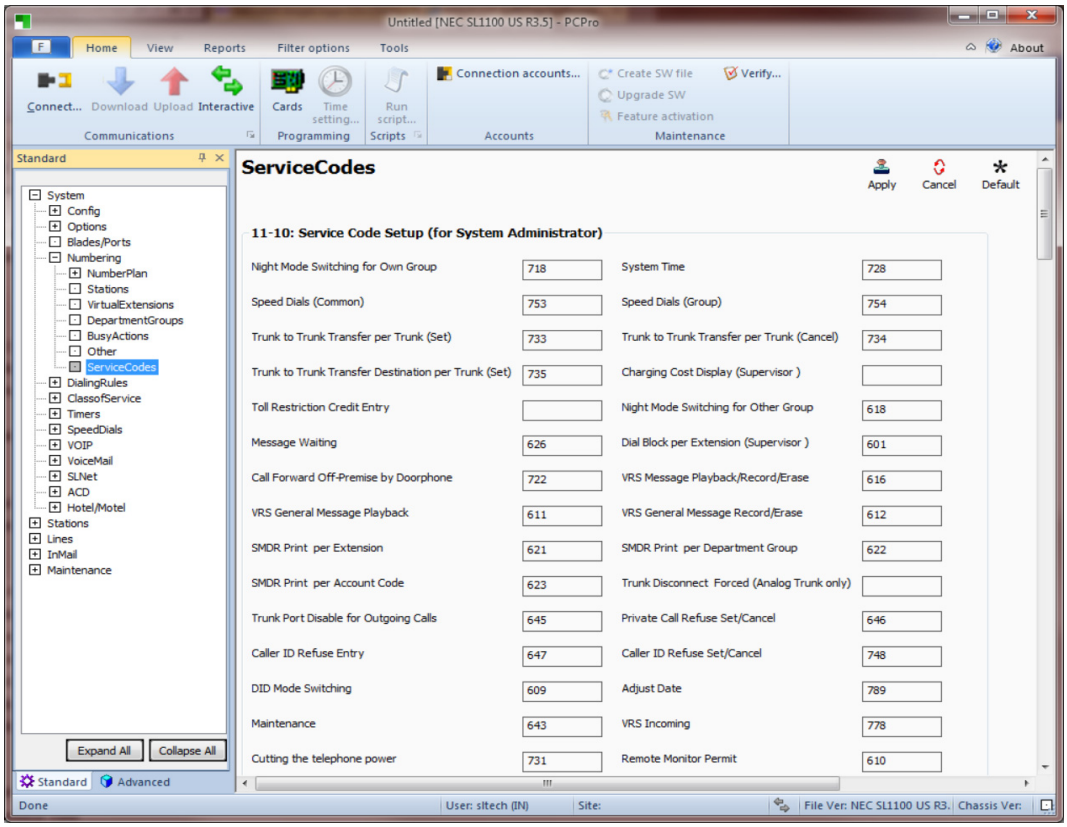


Figure 4-31 Service Codes

Assign the Service Codes for the System Administrator.

3.5 Dialing Rules

Analysis-Table

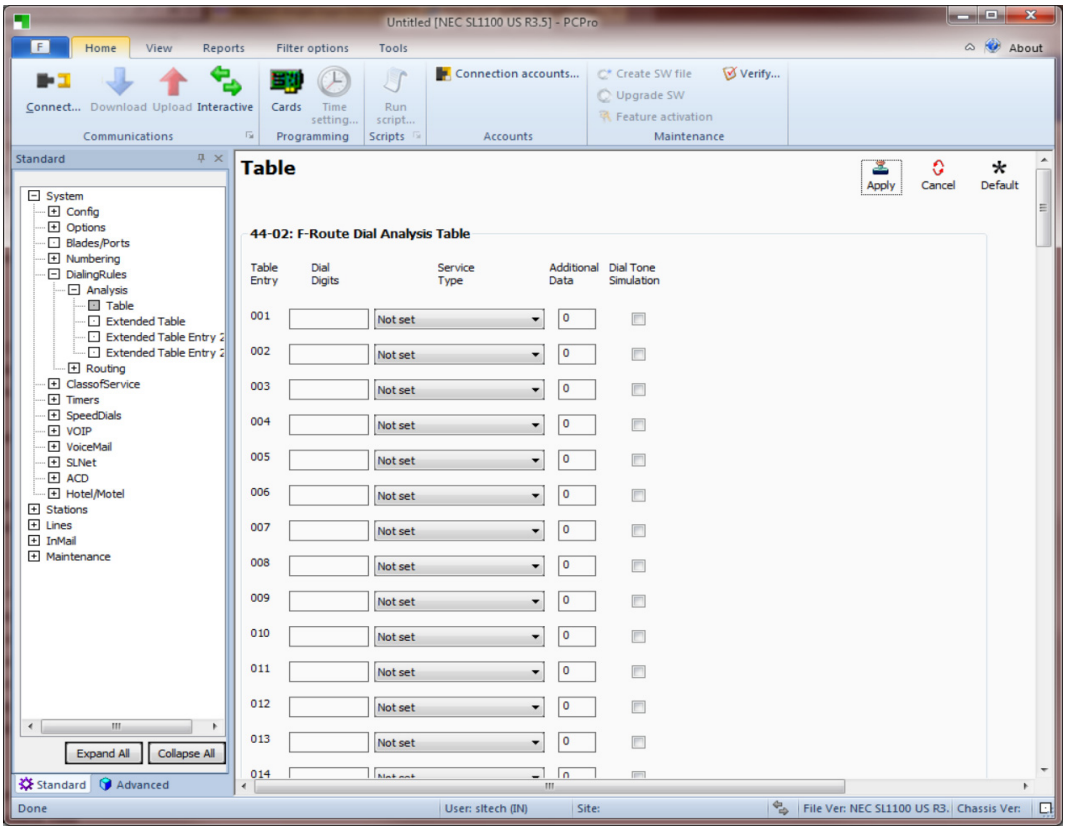


Figure 4-32 Analysis-Table

Assign the Dial Digits, Service Type, Additional Data, and Dial Tone Simulation.

Analysis-Extended Table

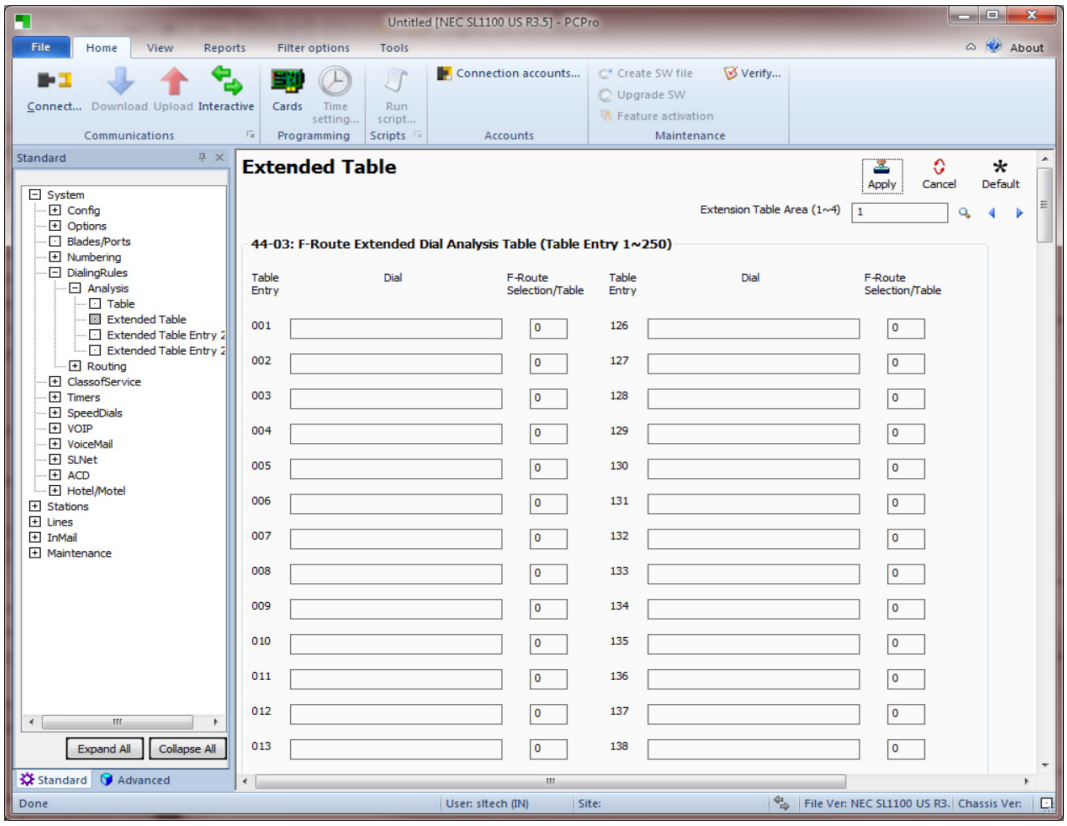


Figure 4-33 Analysis - Extended Table

When the dial digits are more than eight digits, define the dial digits and the F-Route Table.

Analysis-Extended Table Entry 251

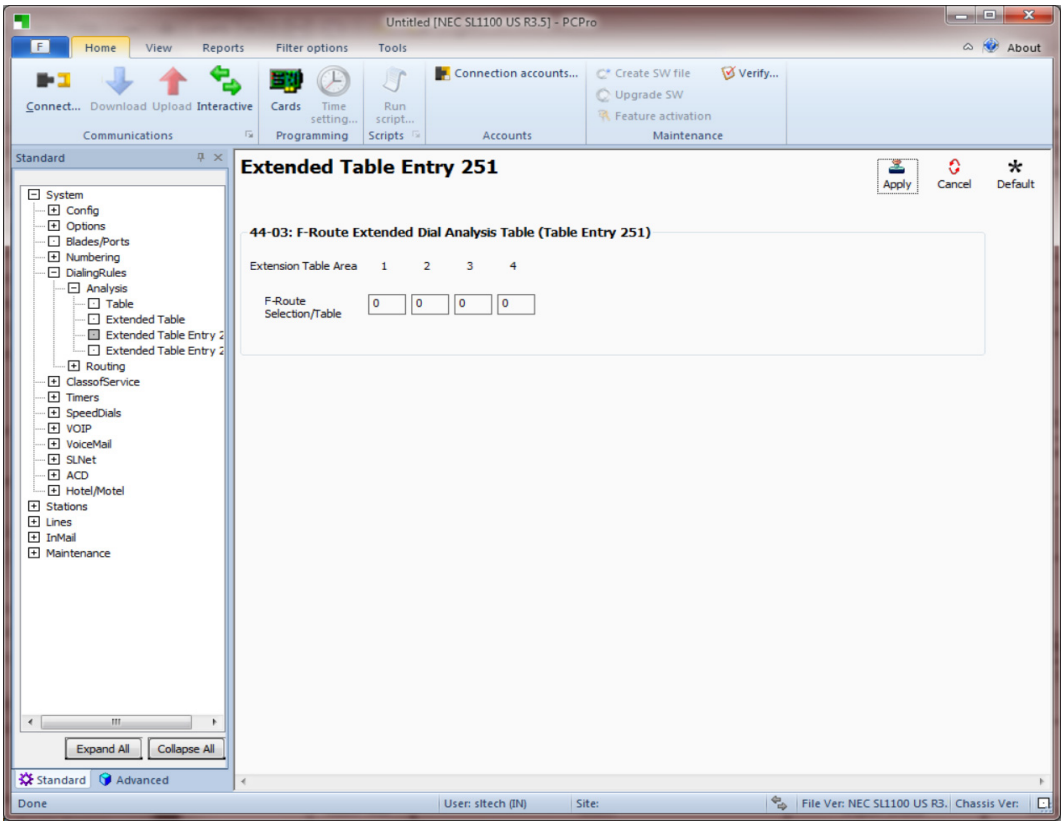


Figure 4-34 Analysis-Extended Table Entry 251

If the received digits do not match the digits set in table 1-250, the F-Route table number defined in table 251 is used.

Analysis-Extended Table Entry 252

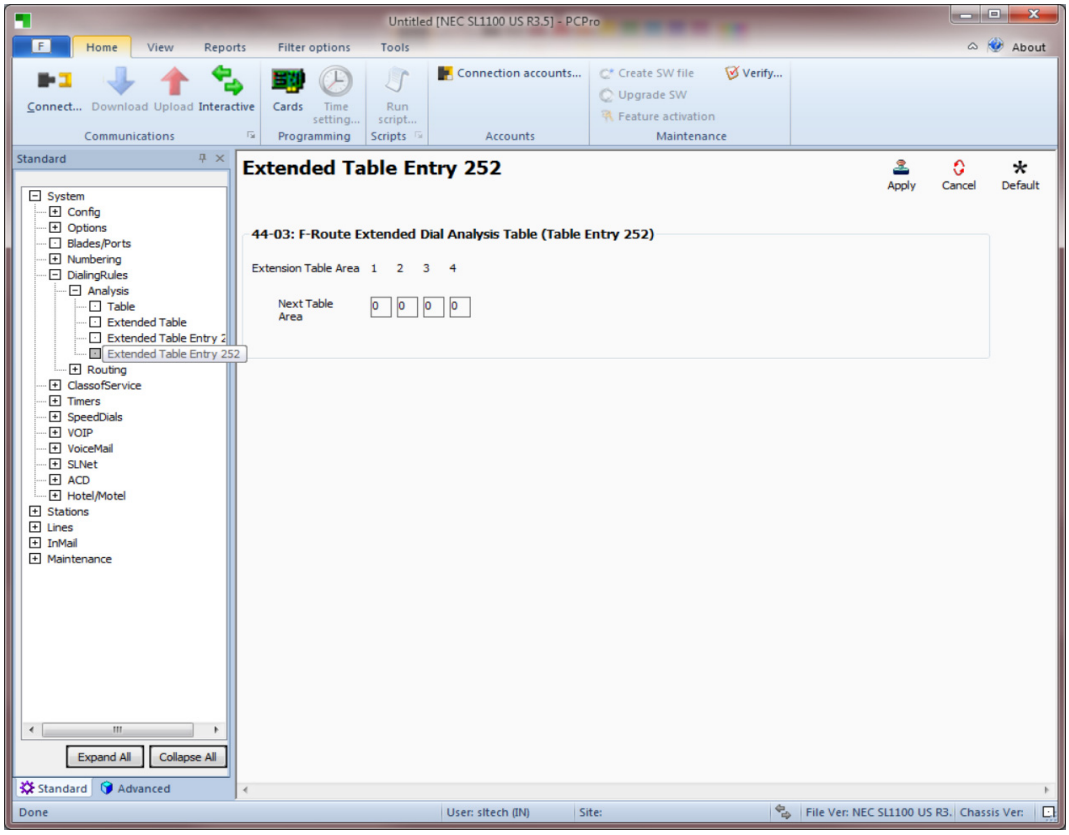


Figure 4-35 Analysis-Extended Table Entry 252

If the received digits do not match the digits set in tables 1-250, table number 252 is used to refer to the next Extension Table Area (1-4).

Routing-Table

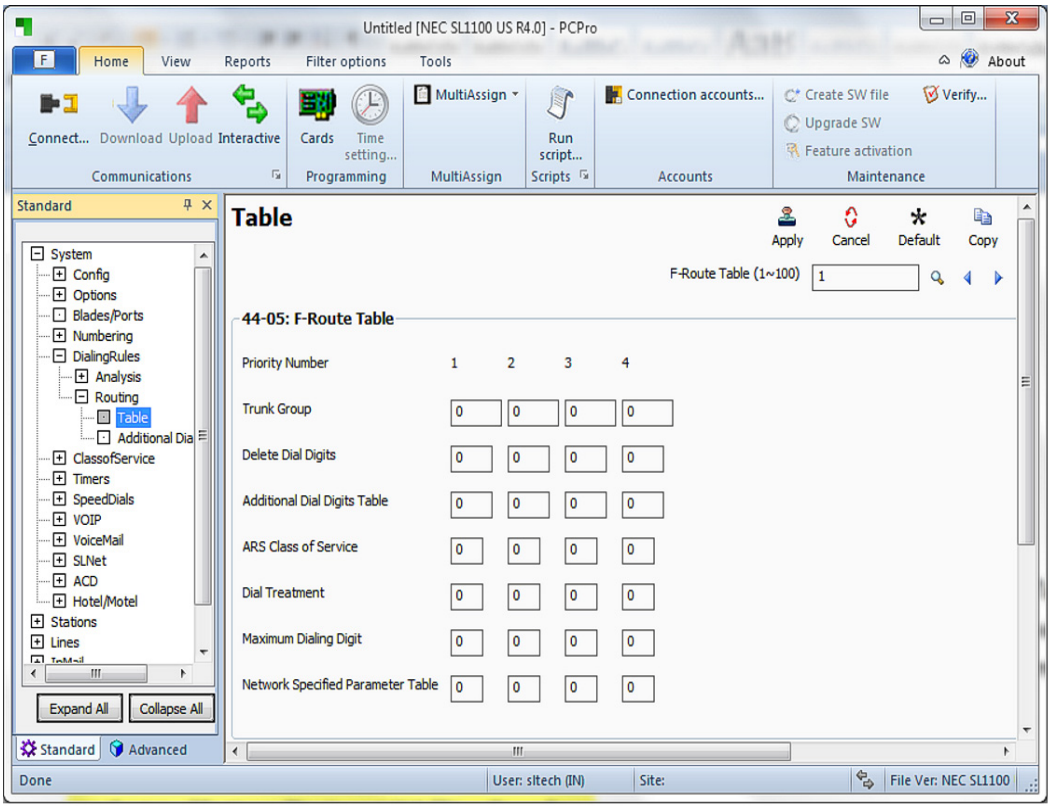


Figure 4-36 F-Routing Table

Define the additional conditions for each F-Route Table.

Routing-Additional Dial Table

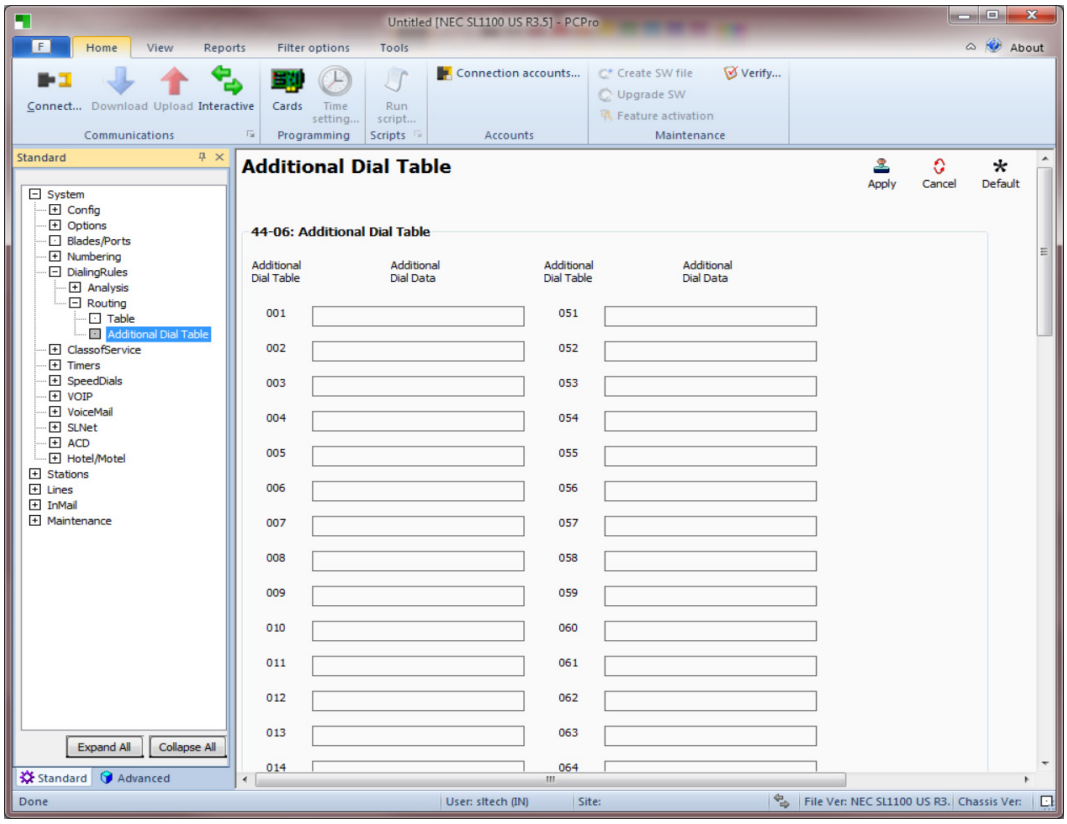


Figure 4-37 Routing-Additional Dial Table

Define digits to be dialed prior to the dialed F-Route Number.

3.6 Class of Service

Administration

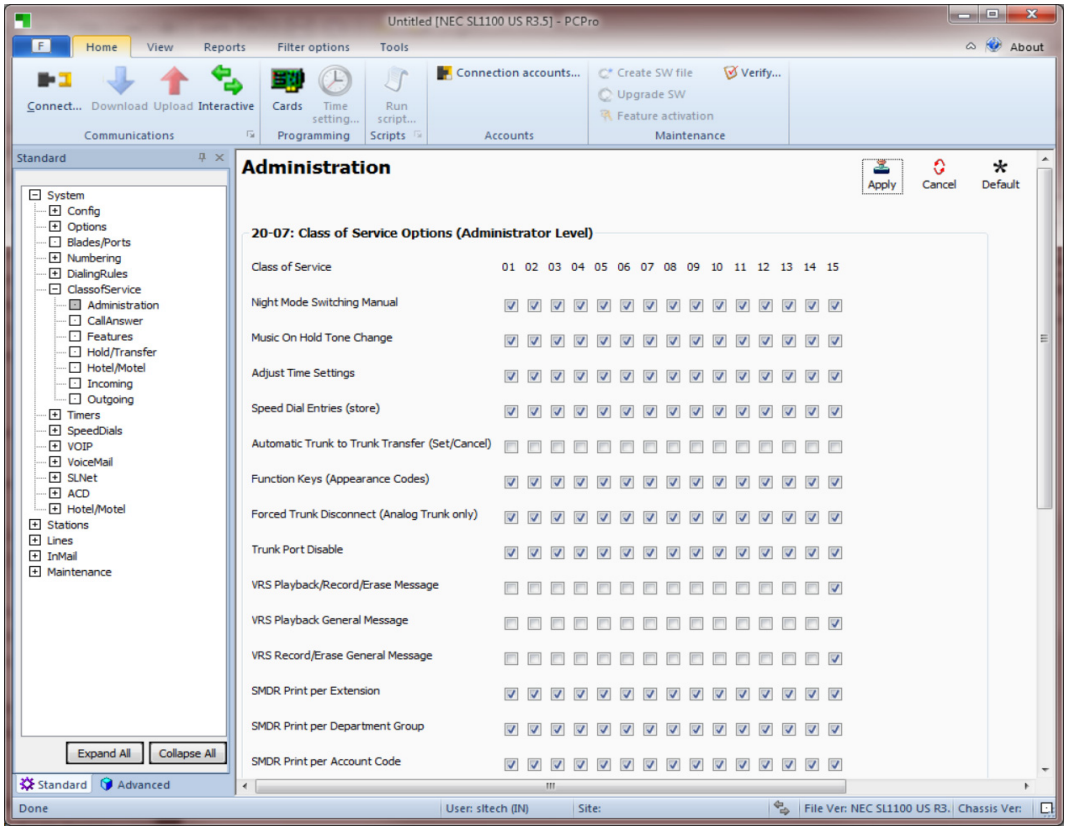


Figure 4-38 COS Administration Screen

Define the Administrator service availability for each extension Class of Service (COS).

Call Answer

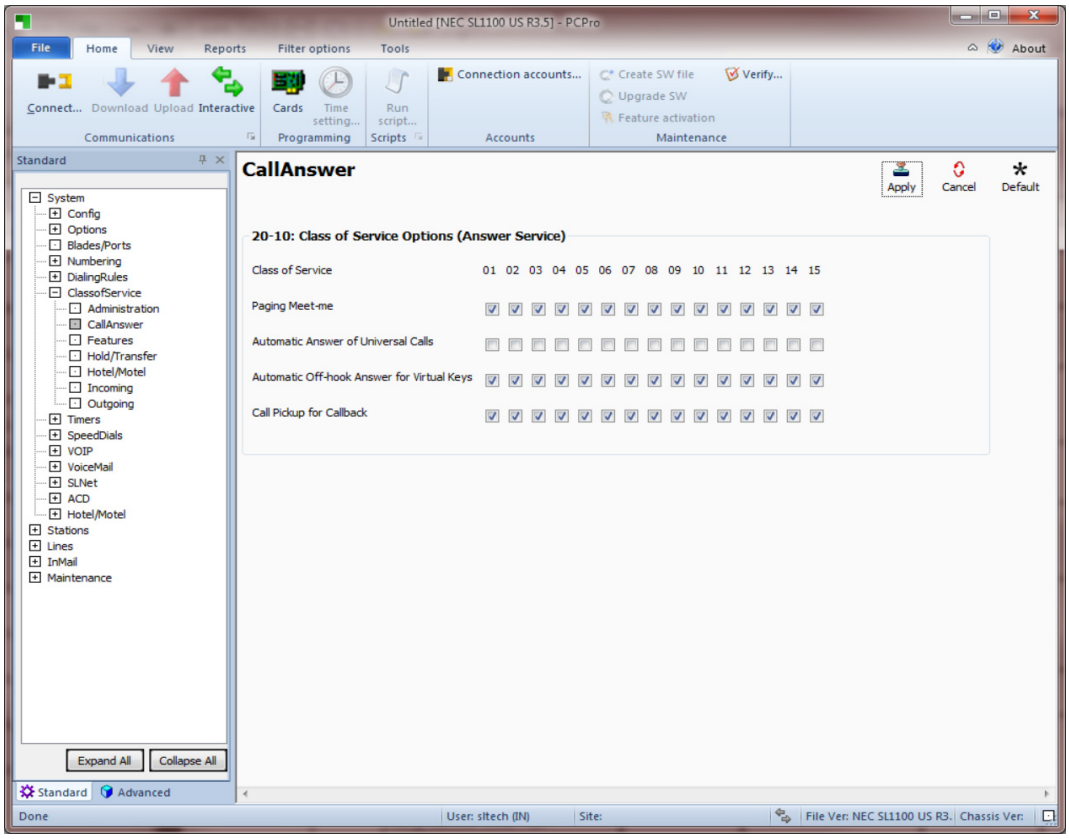


Figure 4-39 Call Answer

Define the answer feature availability for each extension Class of Service (COS).

Features

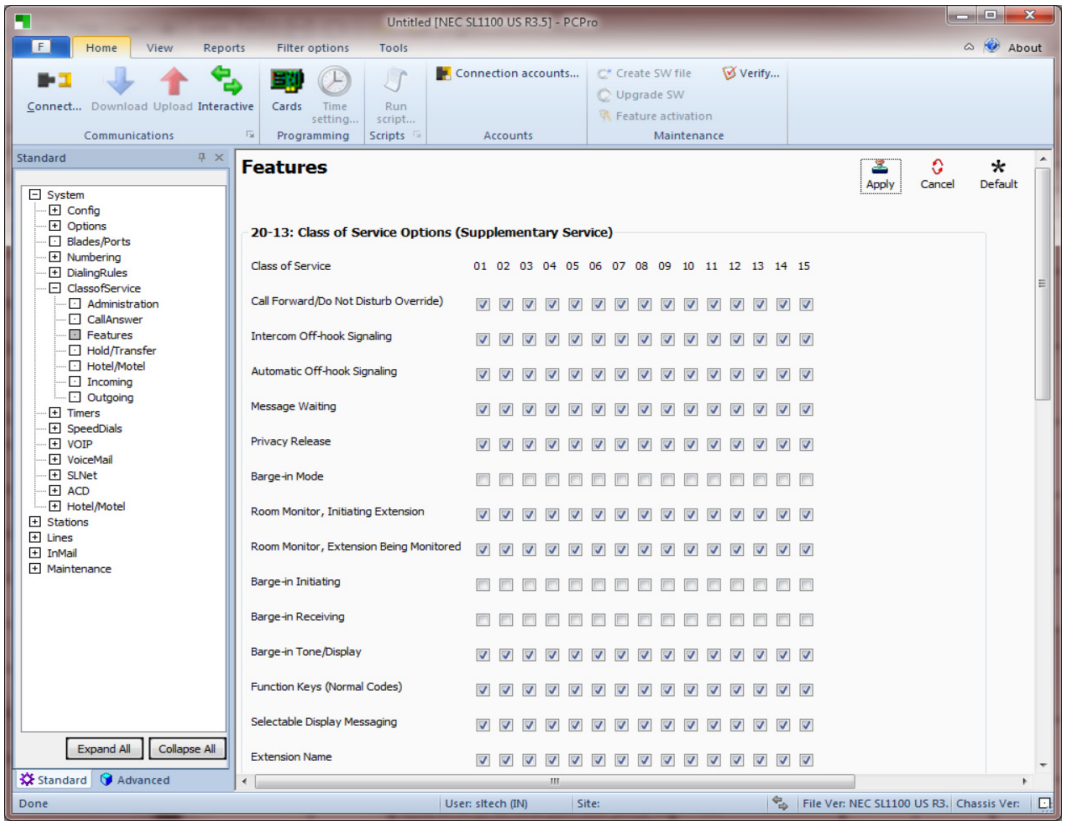


Figure 4-40 Features Screen

Define the supplementary feature availability for each extension Class of Service (COS).

Hold/Transfer

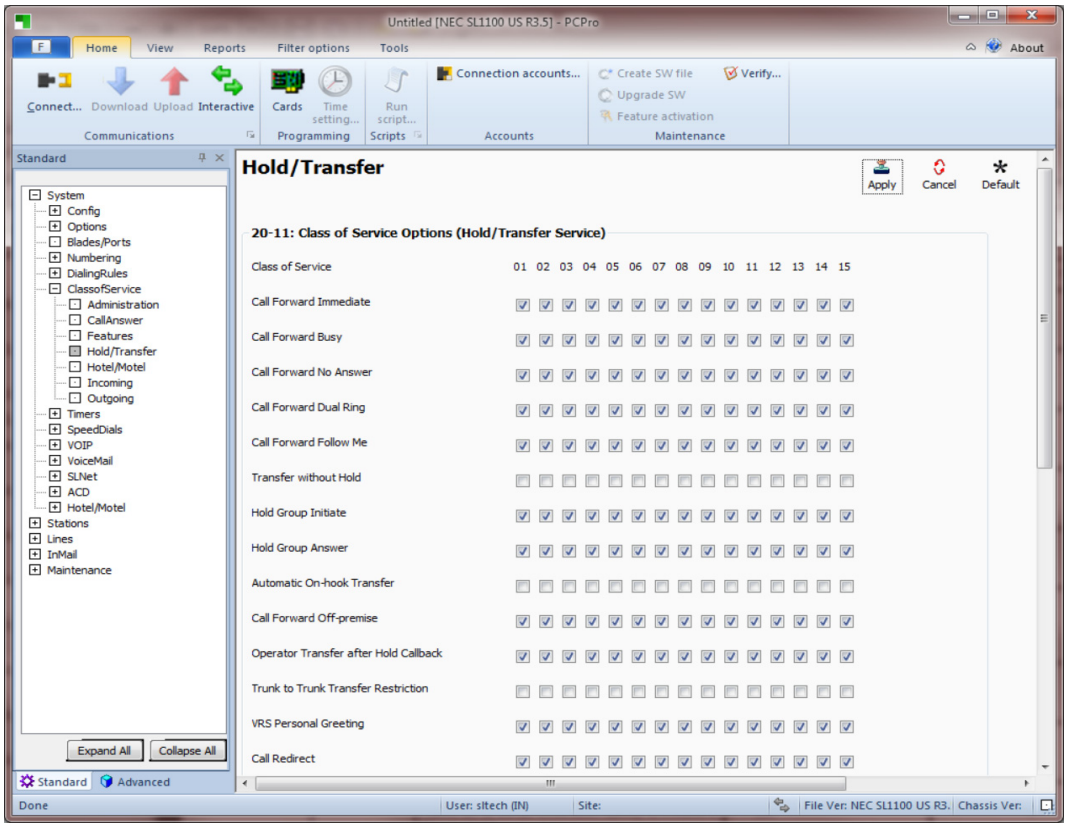


Figure 4-41 Hold/Transfer

Define the Hold and Transfer feature availability for each extension Class of Service (COS).

Hotel/Motel

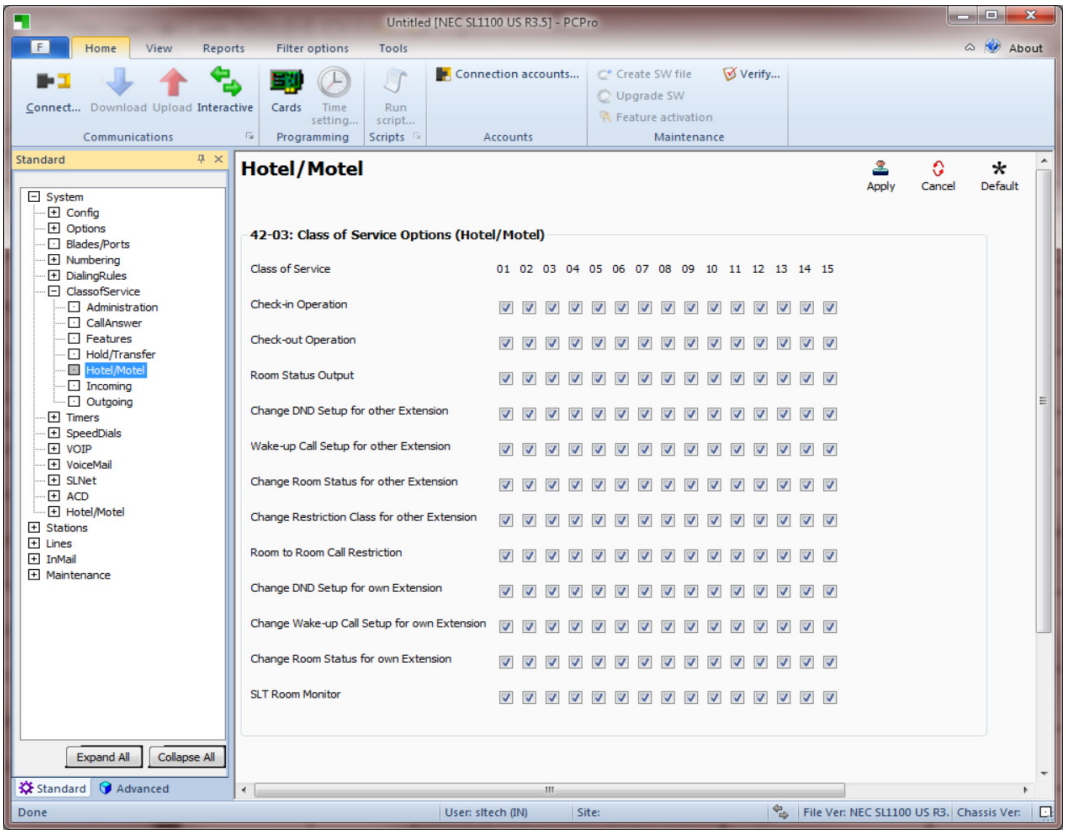


Figure 4-42 Hotel/Motel

Define the Hotel/Motel feature availability for each extension Class of Service (COS).

Incoming

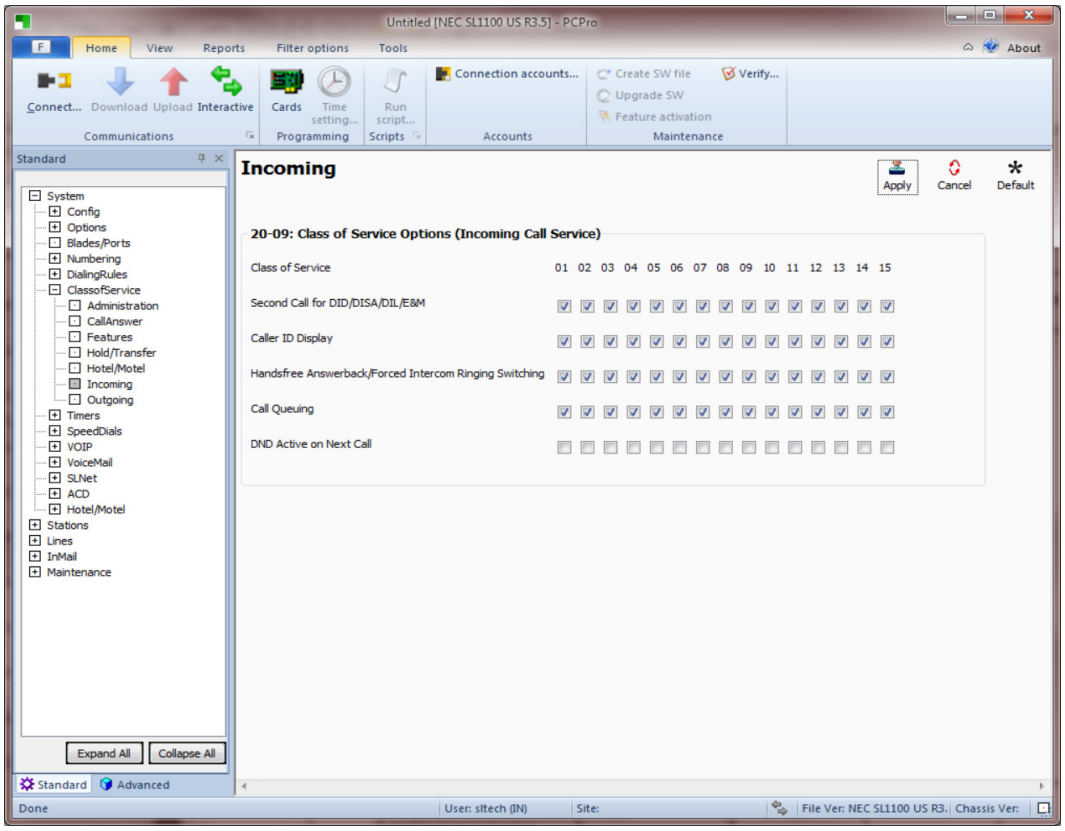


Figure 4-43 Incoming

Define the incoming call feature availability for each extension Class of Service (COS).

Outgoing

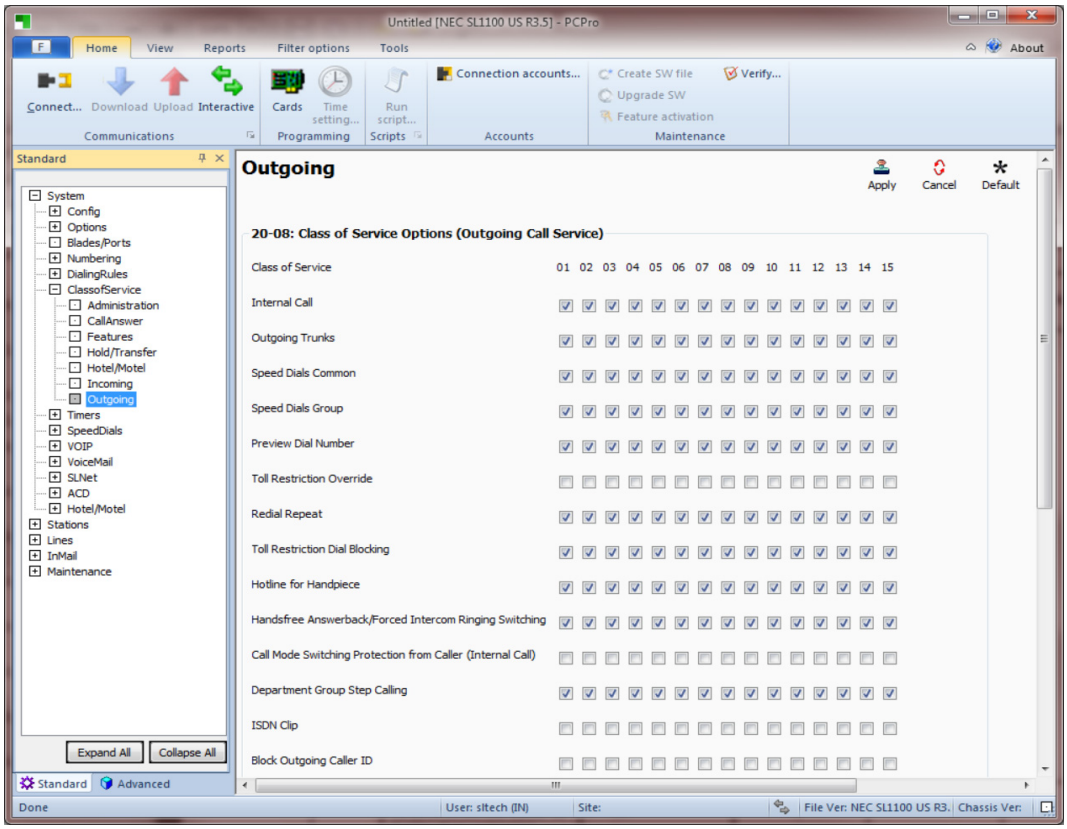


Figure 4-44 Outgoing

Define the outgoing call feature availability for each extension Class of Service (COS).

3.7 Timers

COI

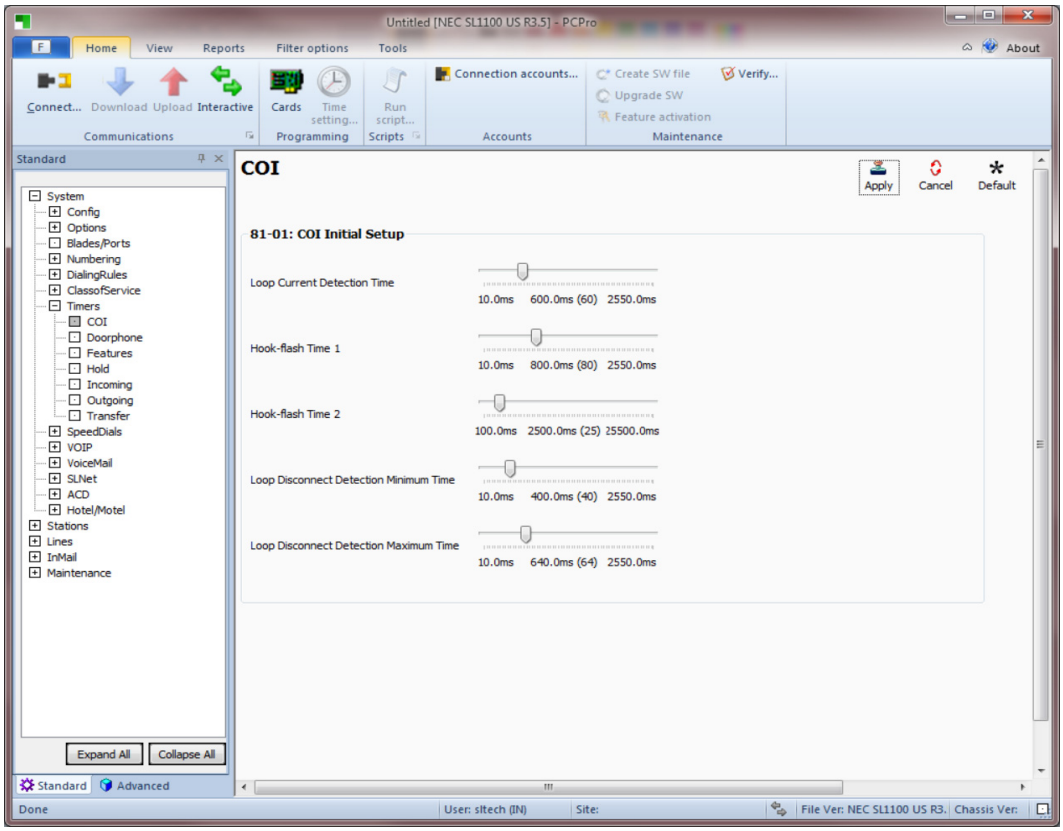


Figure 4-45 COI Timers

Define the basic timers for the COIU.

Doorphone

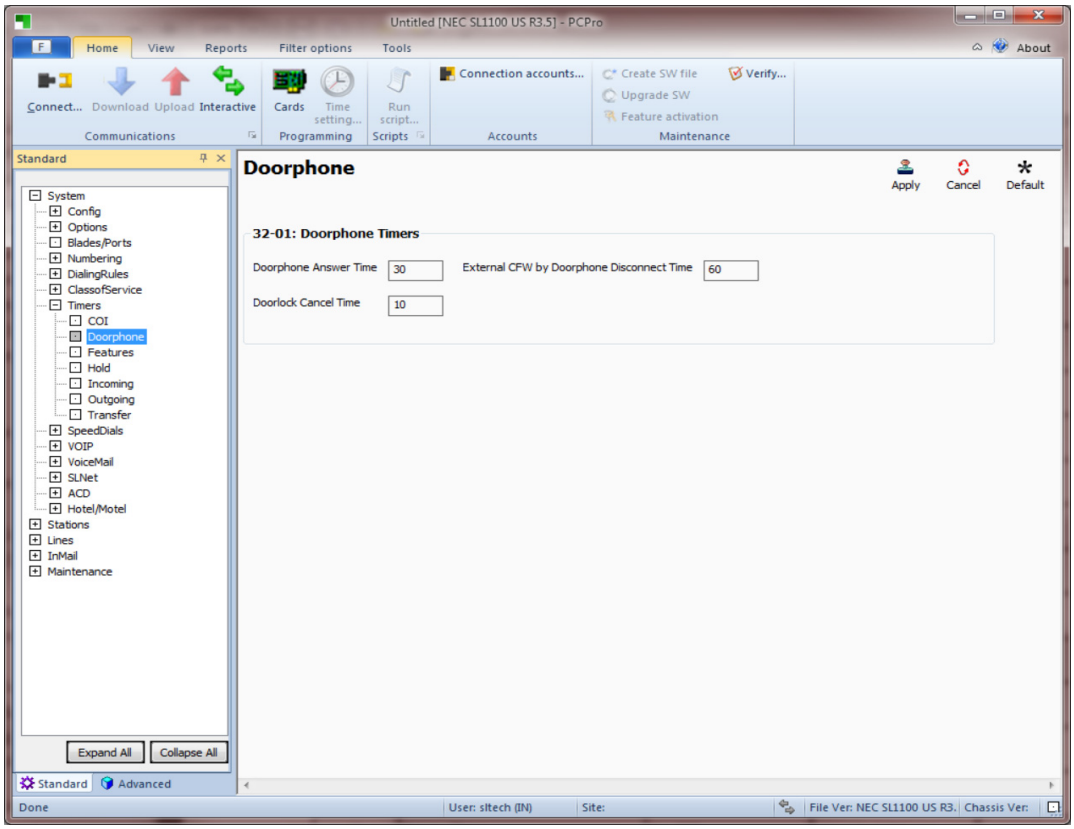


Figure 4-46 Door Box Timers

Define the timers used for the Door Box.

Features

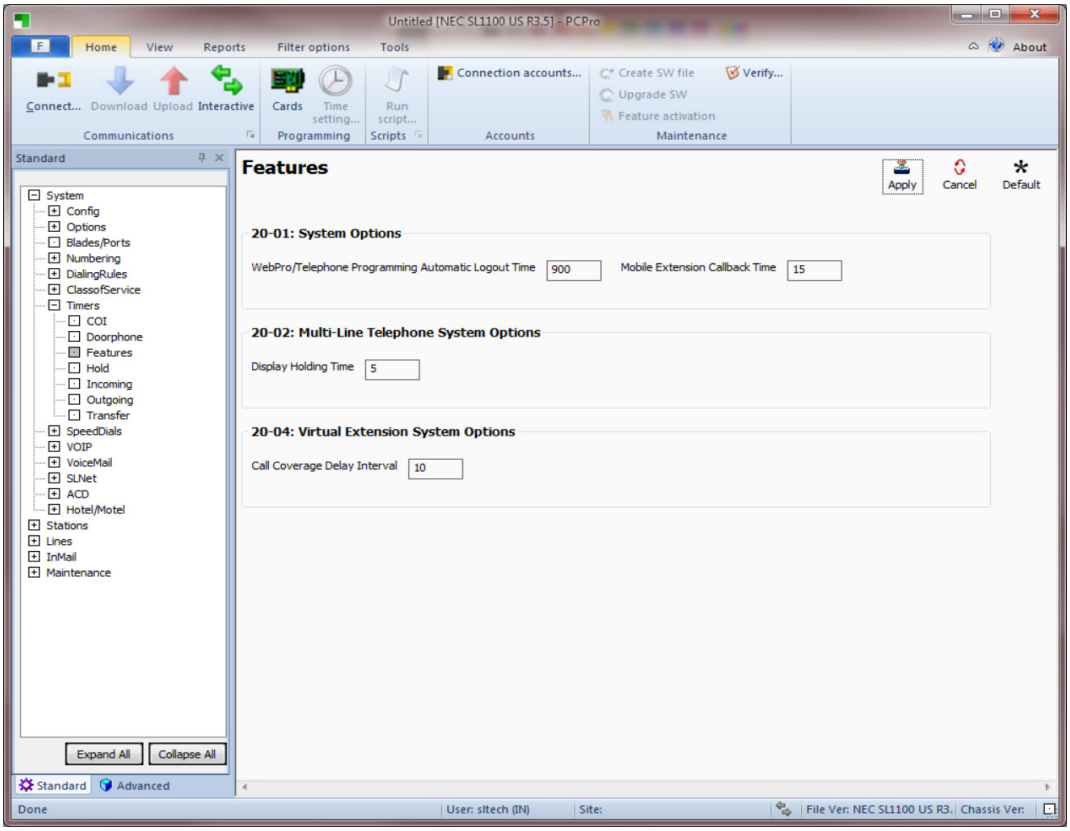


Figure 4-47 Features Timers

Define the basic System, MultiLine Telephone, and Virtual Extension timers.

Hold

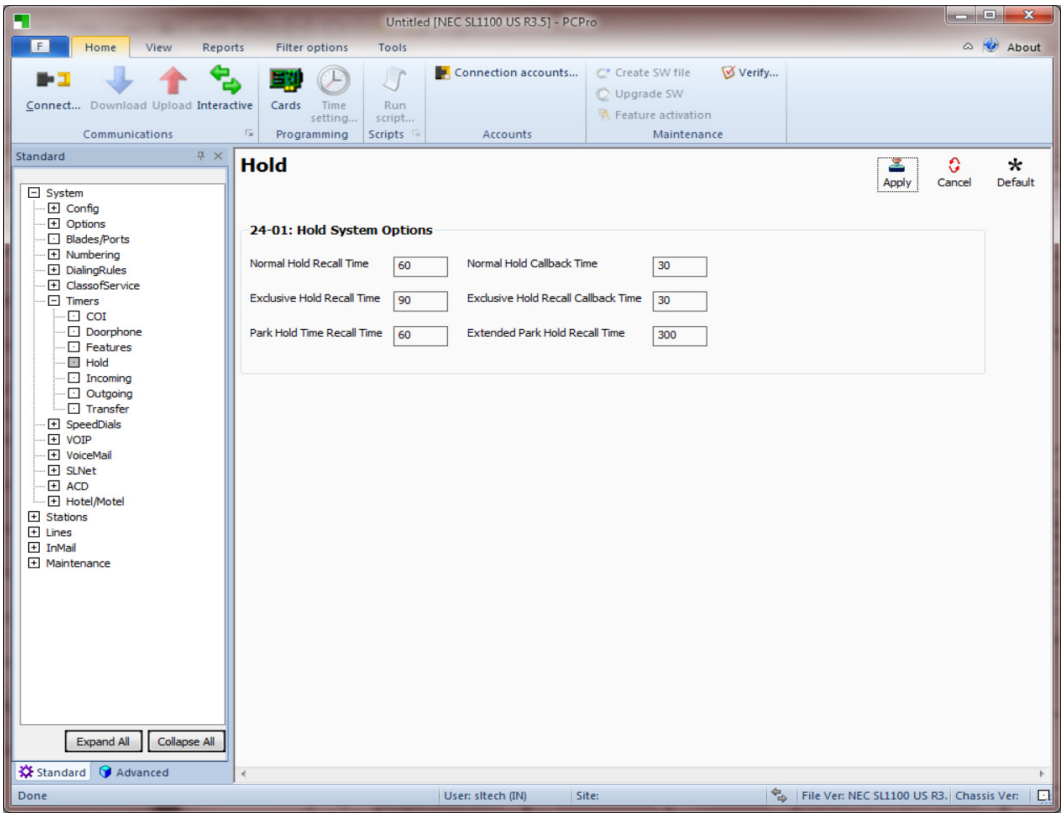


Figure 4-48 Hold Timers

Define the basic system timers for the Hold feature.

Incoming

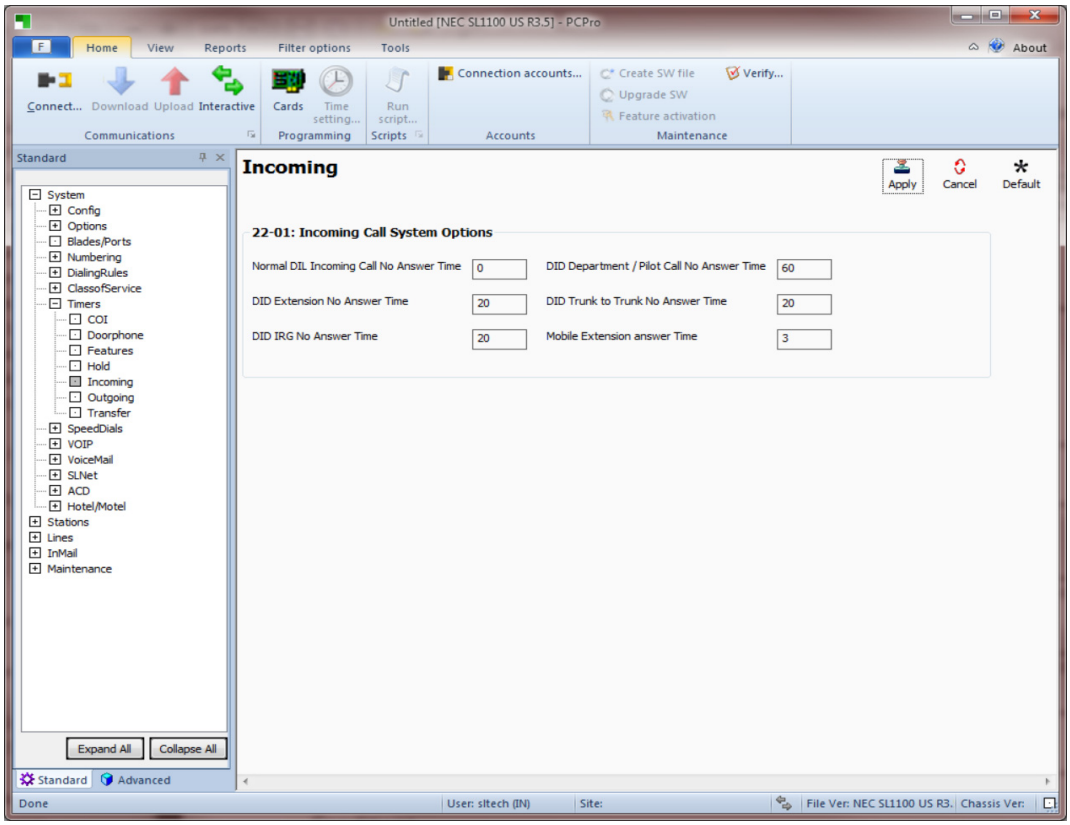


Figure 4-49 Incoming Calls Timers

Define the basic system timers for Incoming Calls.

Outgoing

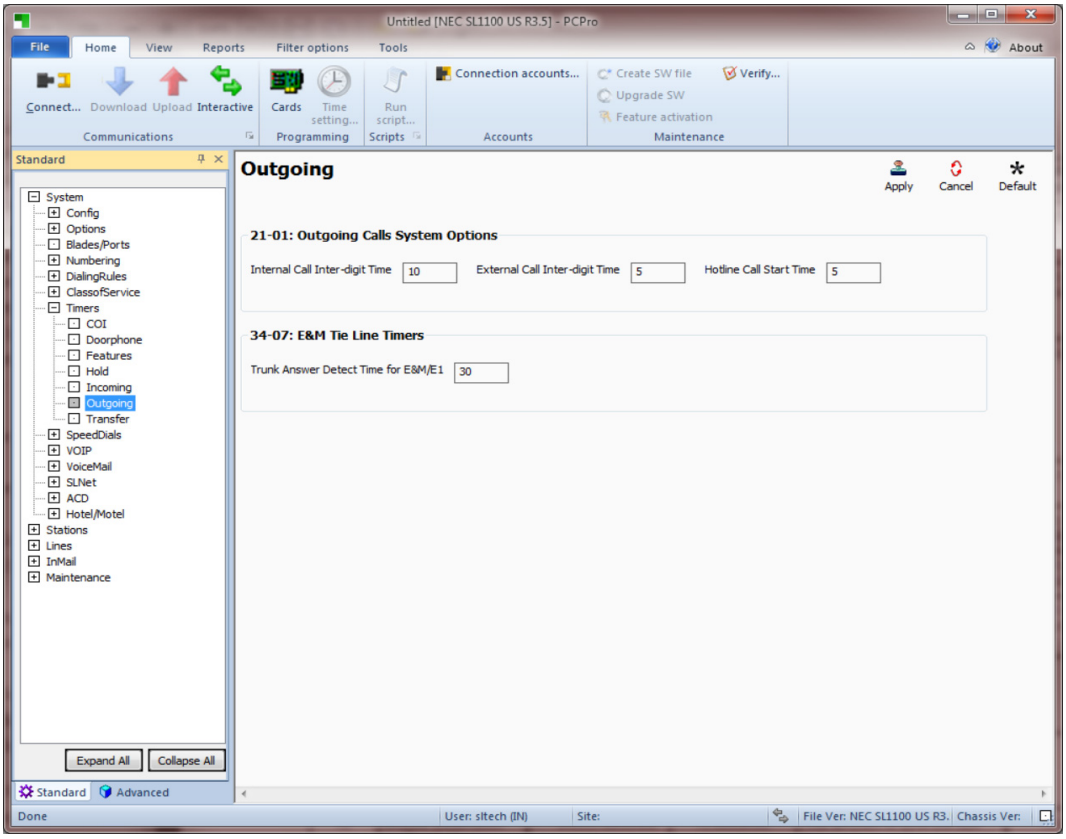


Figure 4-50 Outgoing Calls Timers

Define the basic system timers for Outgoing Calls.

Transfer

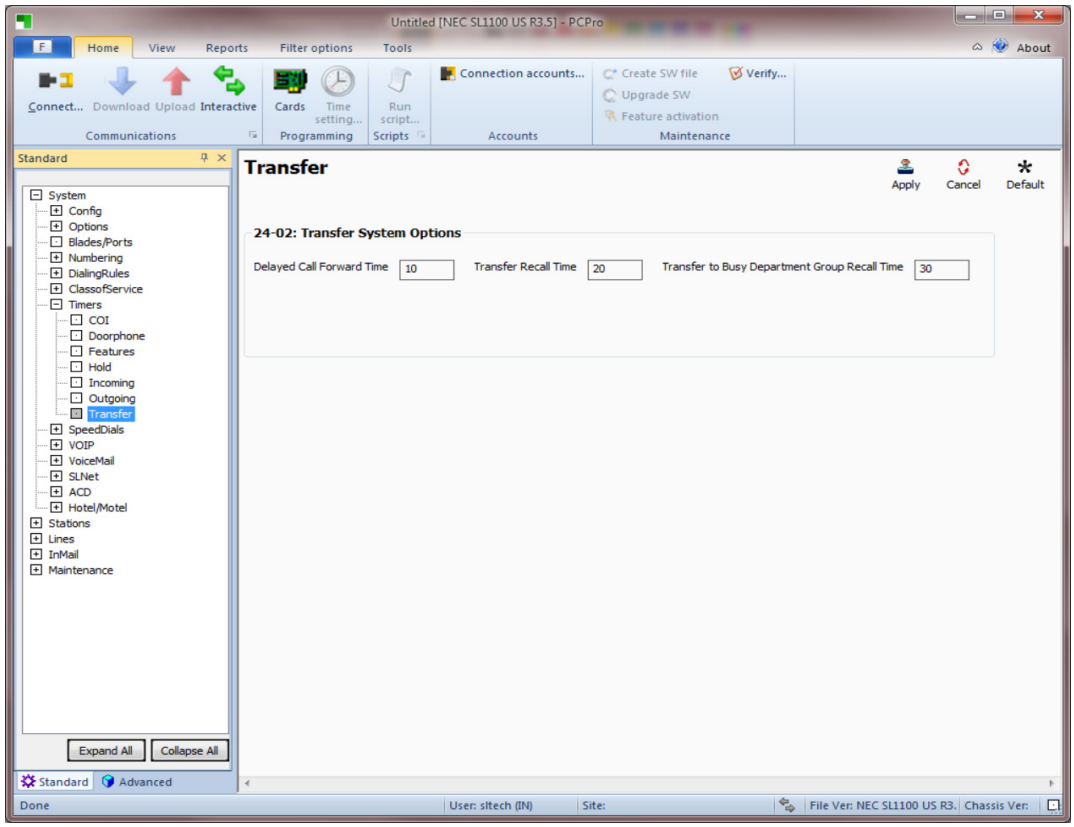


Figure 4-51 Transfer Timer

Define the basic system timers for the Transfer feature.

3.8 Speed Dials

Setup

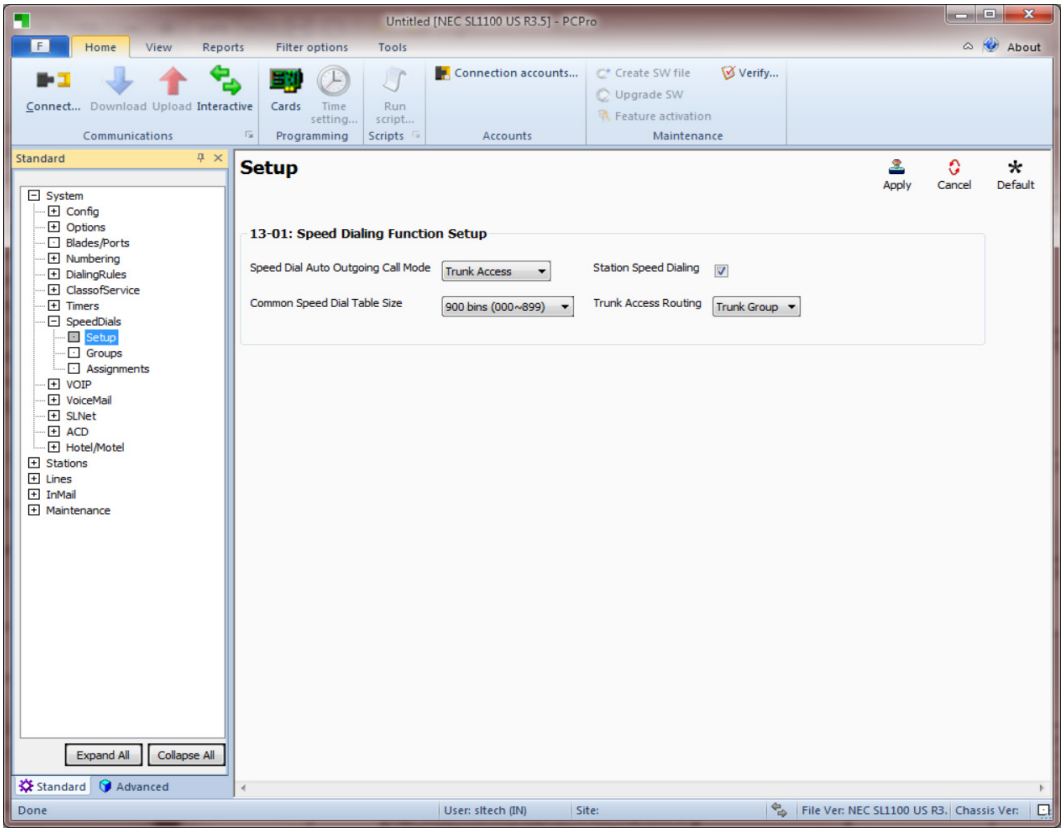


Figure 4-52 Setup Speed Dial Functions

Define the Speed Dial functions.

Groups

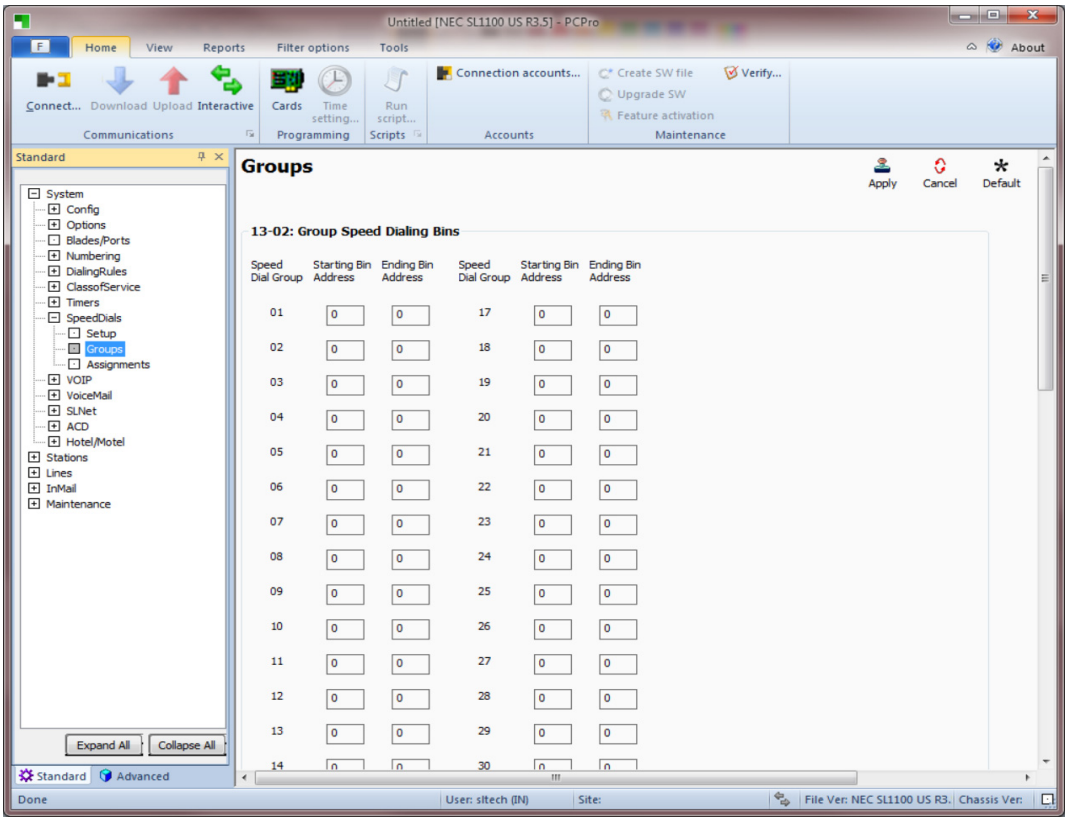


Figure 4-53 Bin Numbers

Define the range of bin numbers to be used by each Speed Dialing group.

Assignments

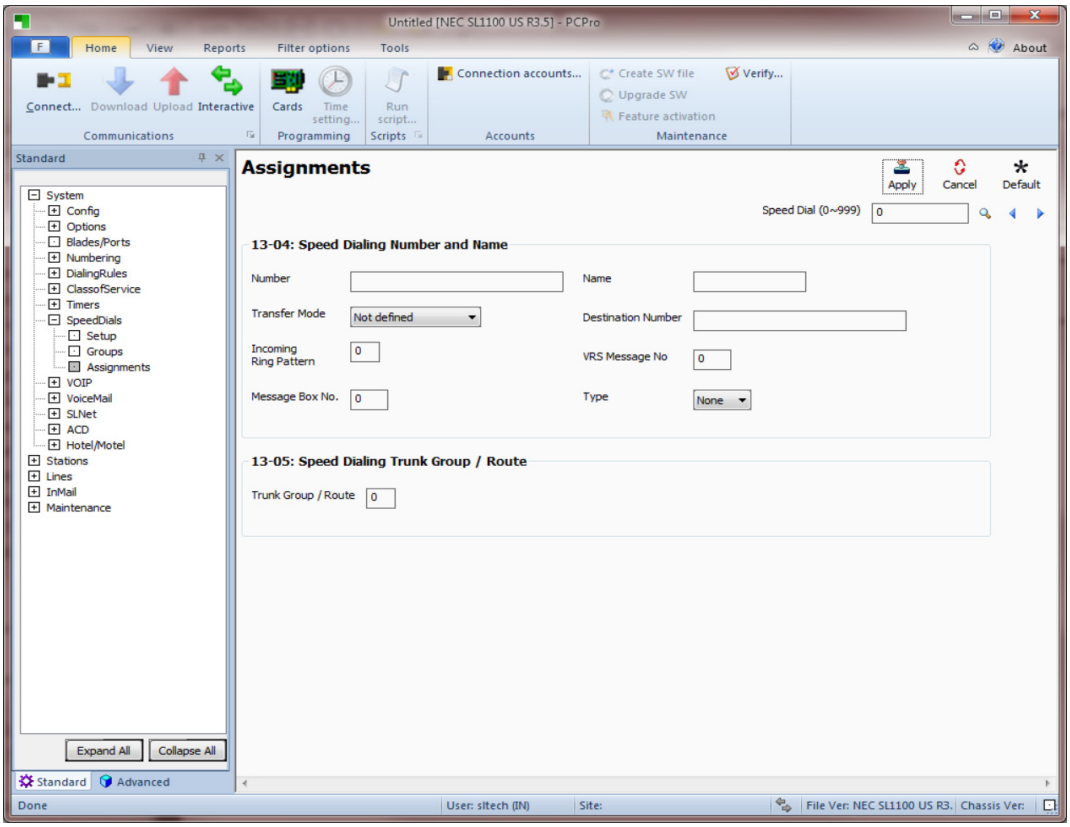


Figure 4-54 Assigning Speed Dial Features

Define the Speed Dial Numbers and Names and the Trunk Group/Route to be used.

3.9 VOIP

IP Keysets- Basic Setup

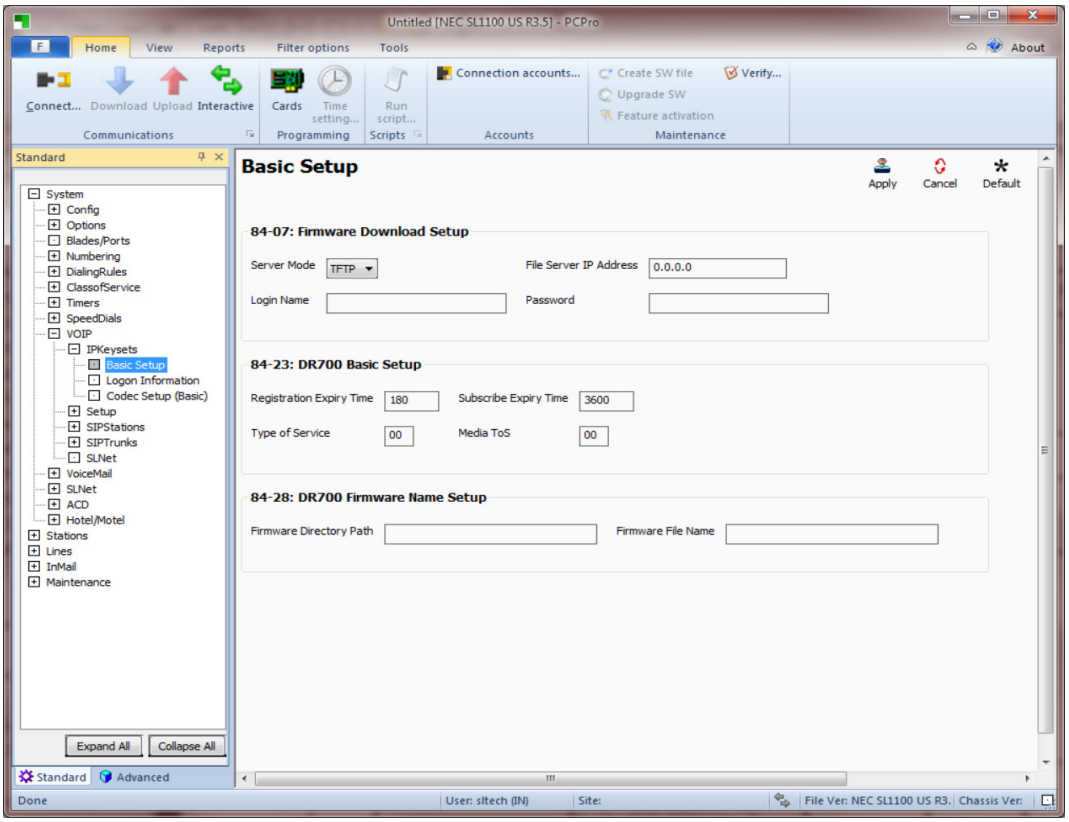


Figure 4-55 IP Keysets - Basic Setup

Define the Basic Setup for IP Keysets.

IP Keysets- Logon Information

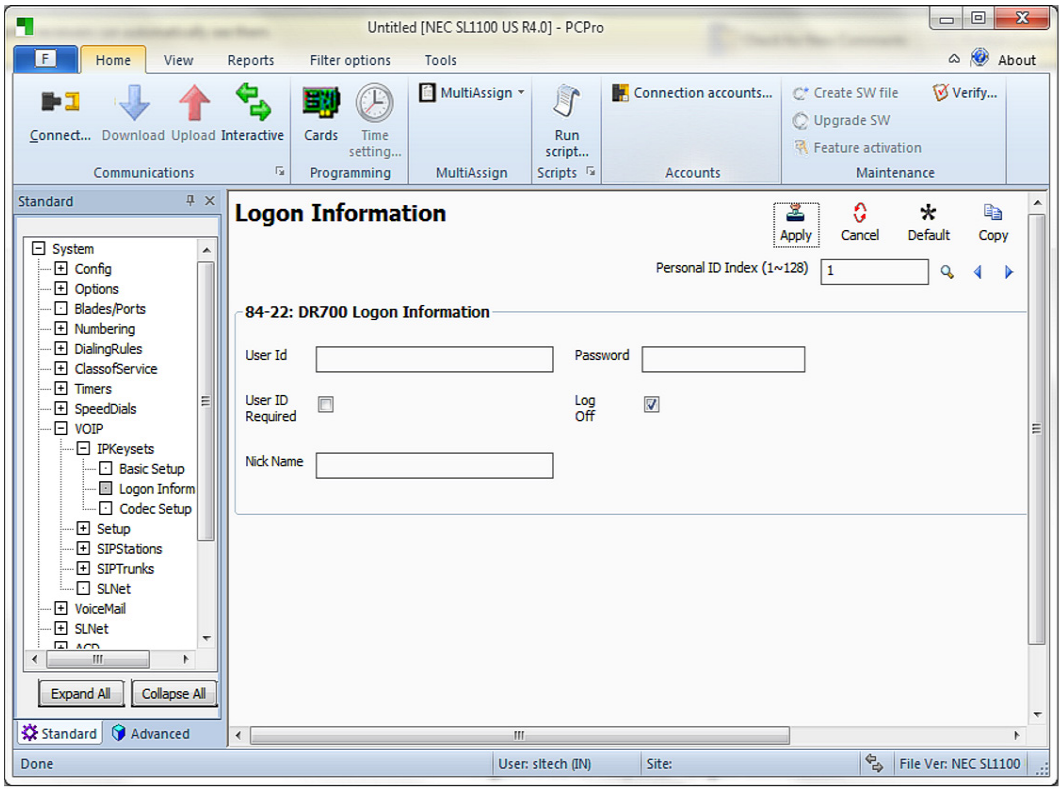


Figure 4-56 IP Keysets - Logon Information

Define the Logon Information used when Automatic or Manual registration is used.

IP Keysets-Codec Setup (Basic)

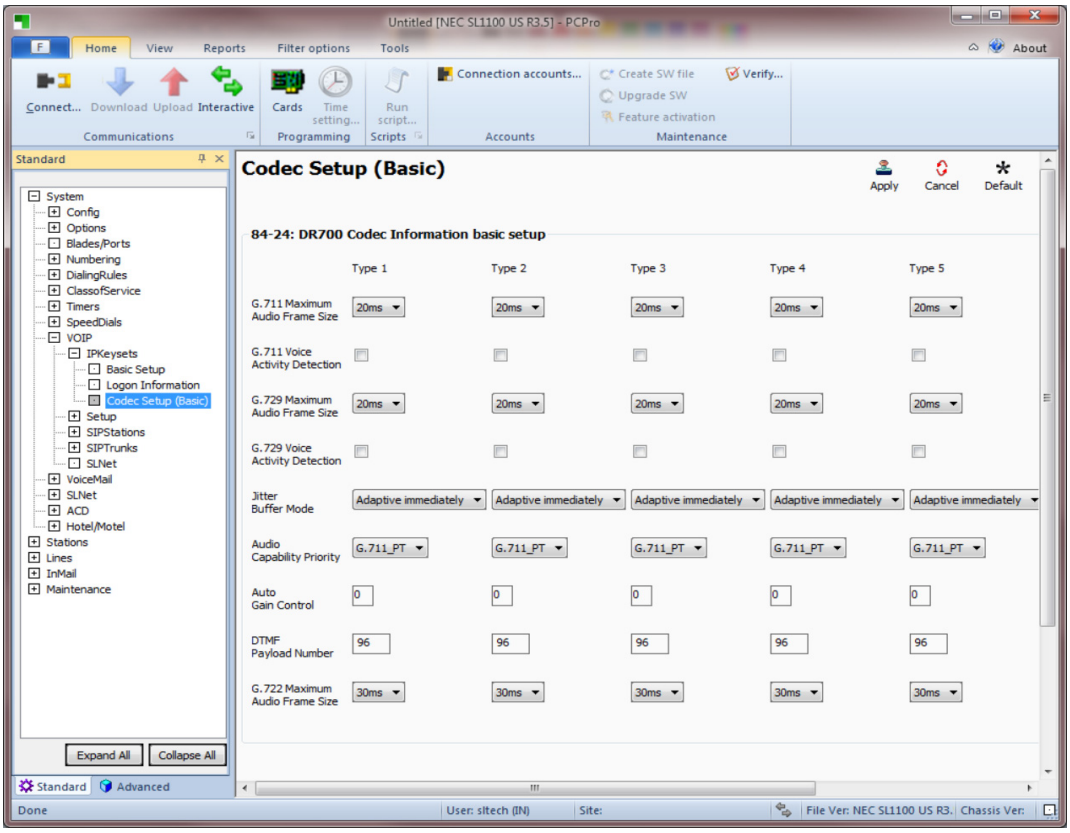


Figure 4-57 IP Keysets - Codec Setup (Basic)

Define the CODEC of each type of DR700 Multiline Telephone.

Setup-ToS

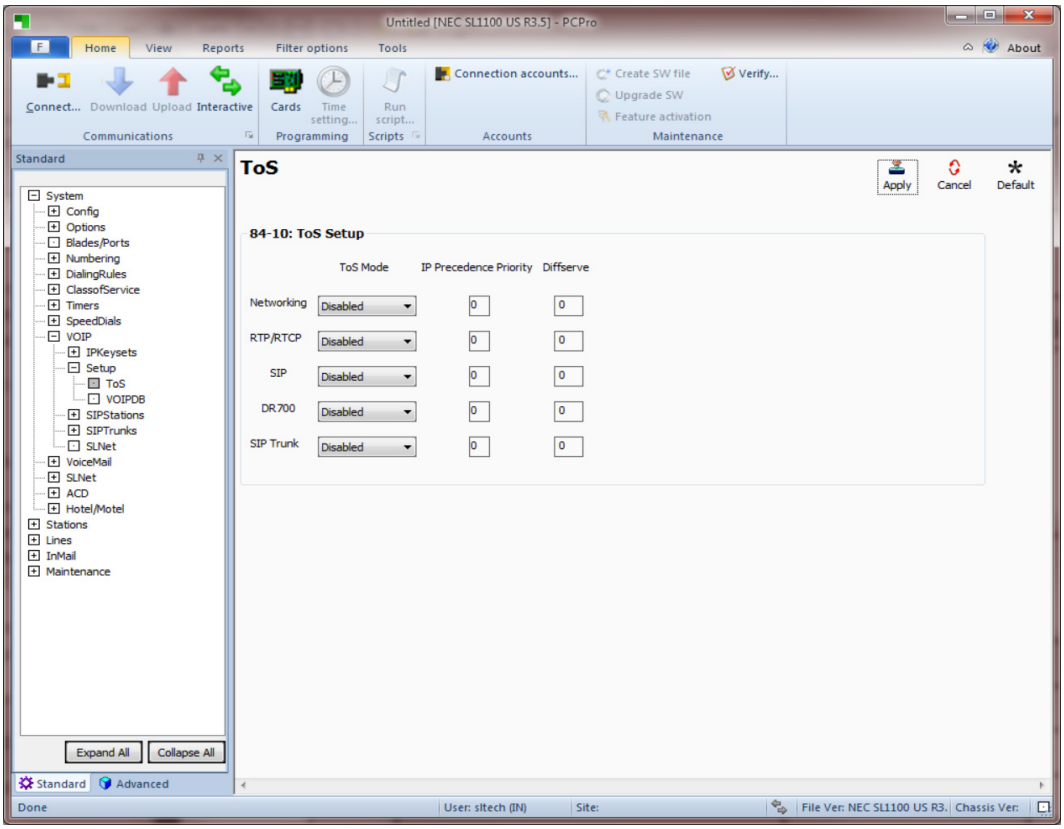


Figure 4-58 Setup - Type of Service (ToS)

Define the ToS Setup.

Setup-VOIPDB

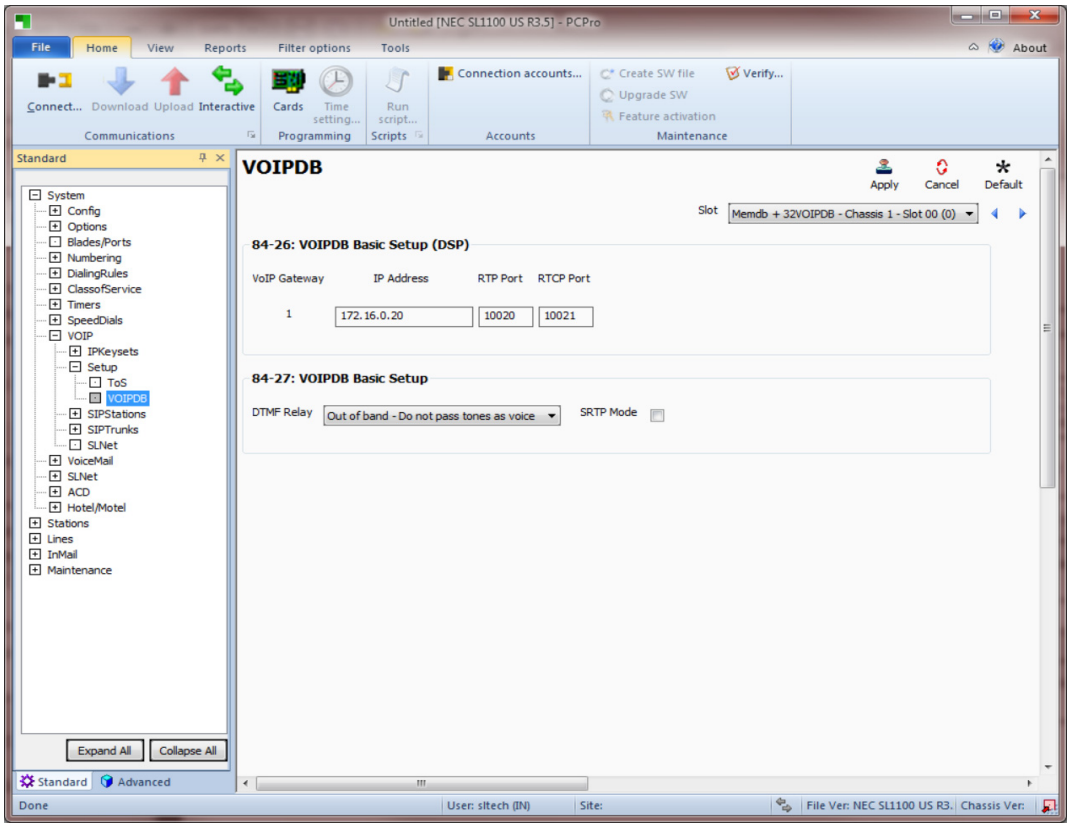


Figure 4-59 Setup - VOIPDB

Define the IP Address, Port, and DTMF type for the VOIPDB.

SIP Stations-Basic Setup

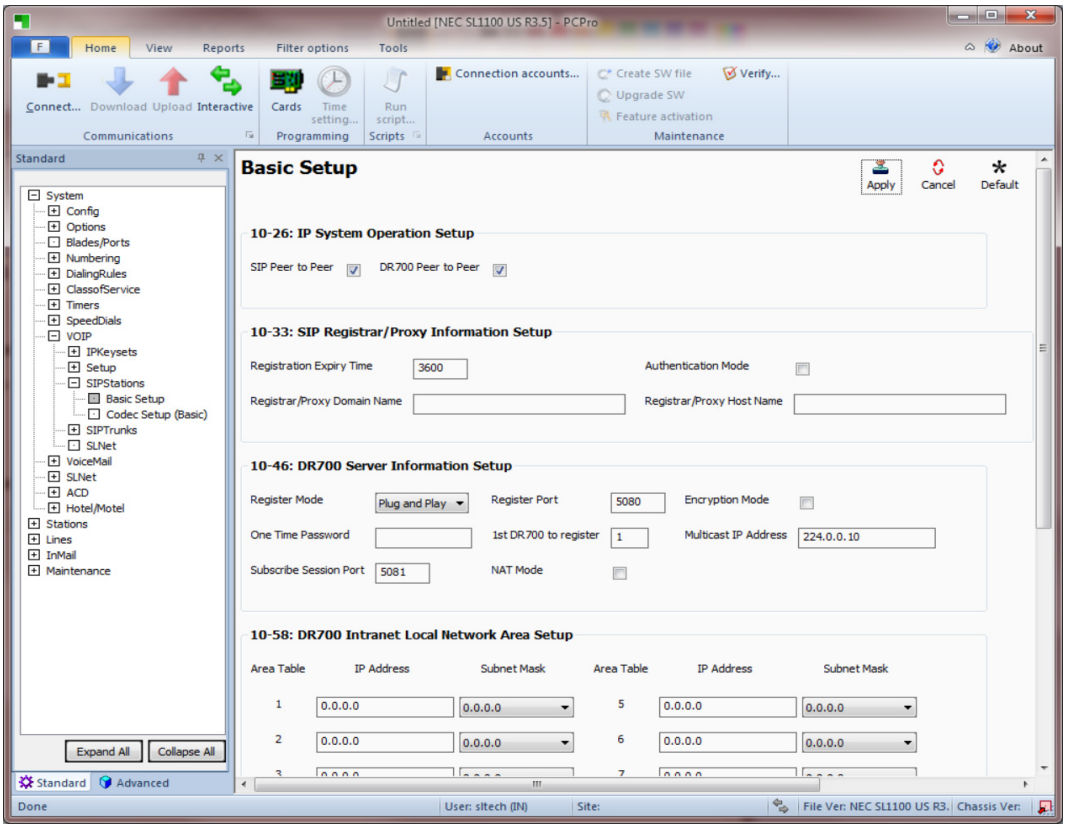


Figure 4-60 SIP Stations - Basic Setup

Define the System Operation, Registrar/Proxy, Server Information, and Intranet Setup for SIP Stations.

SIP Stations-Codec Setup (Basic)

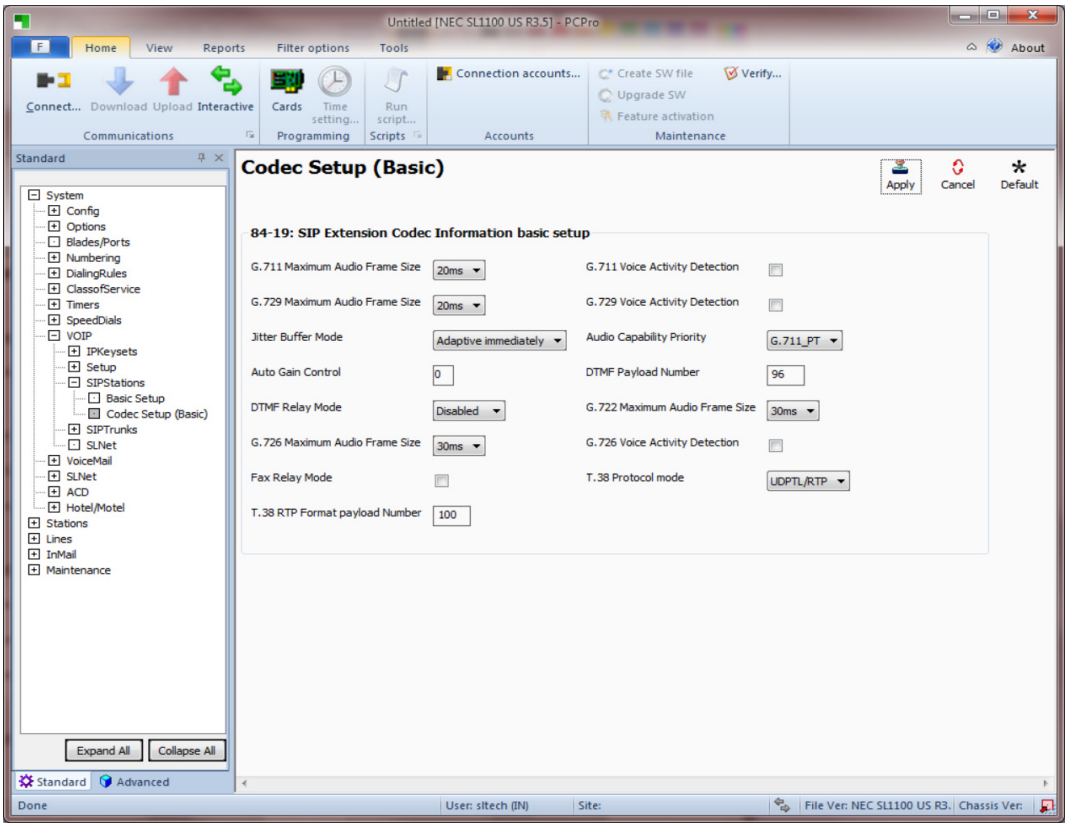


Figure 4-61 SIP Stations - Codec Setup (Basic)

Define the CODEC information for SIP Stations.

SIP Trunks-Basic Setup

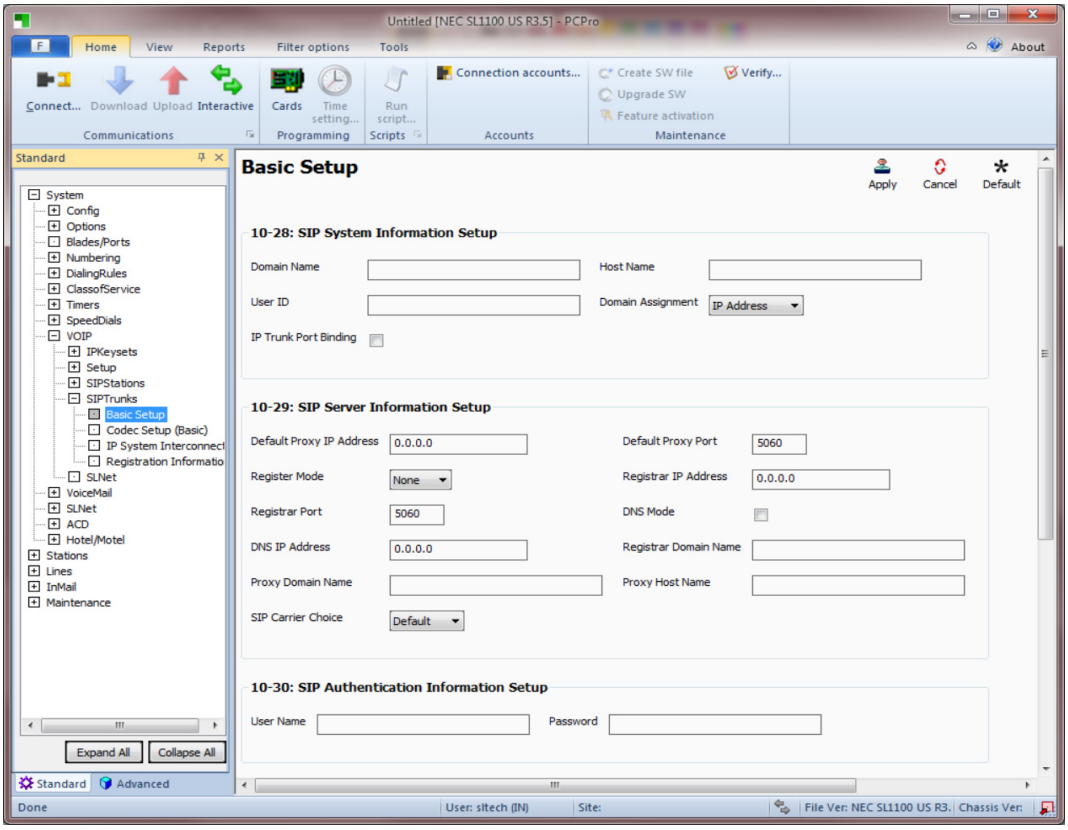


Figure 4-62 SIP Trunks - Basic Setup

Define the basic setup for SIP trunks.

SIP Trunks- Codec Setup (Basic)

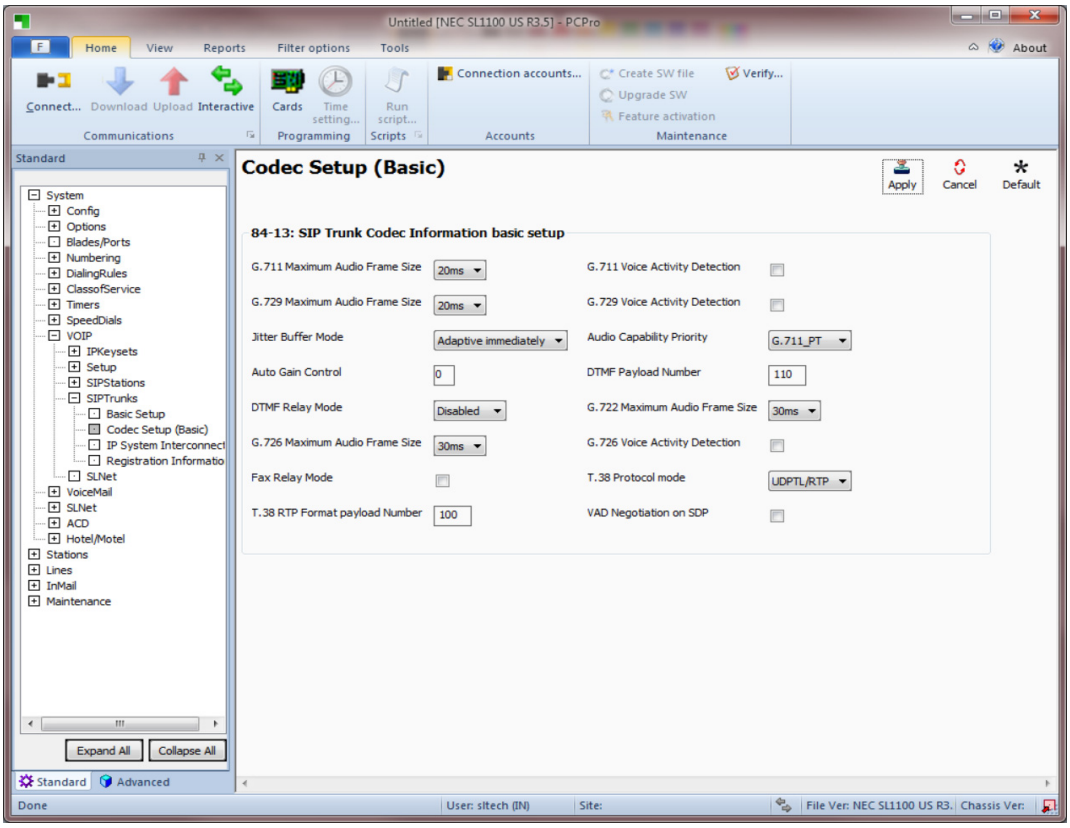


Figure 4-63 SIP Trunks - Codec Setup (Basic)

Define the basic CODEC options for SIP trunks.

SIP Trunks- IP System Interconnect

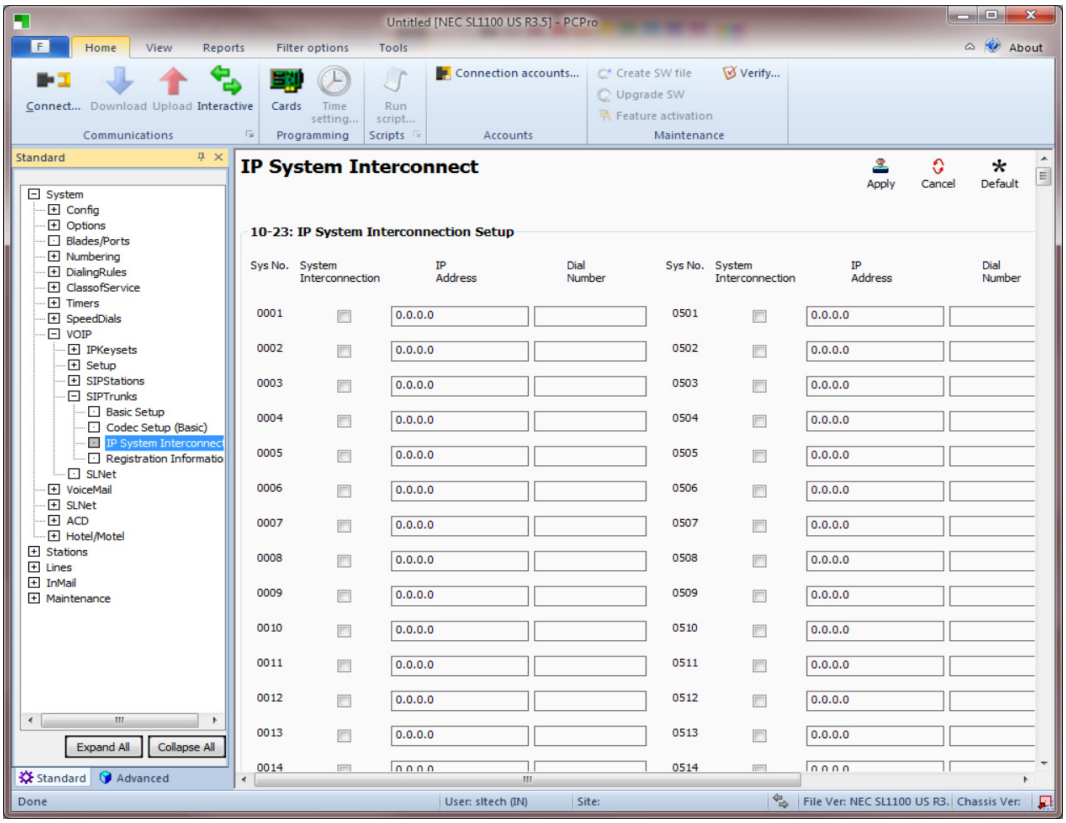


Figure 4-64 SIP Trunks - IP System Interconnect

Define the IP Addresses, call control port numbers, and Dial Numbers for other systems that are interconnected.

SIP Trunks - Registration Information

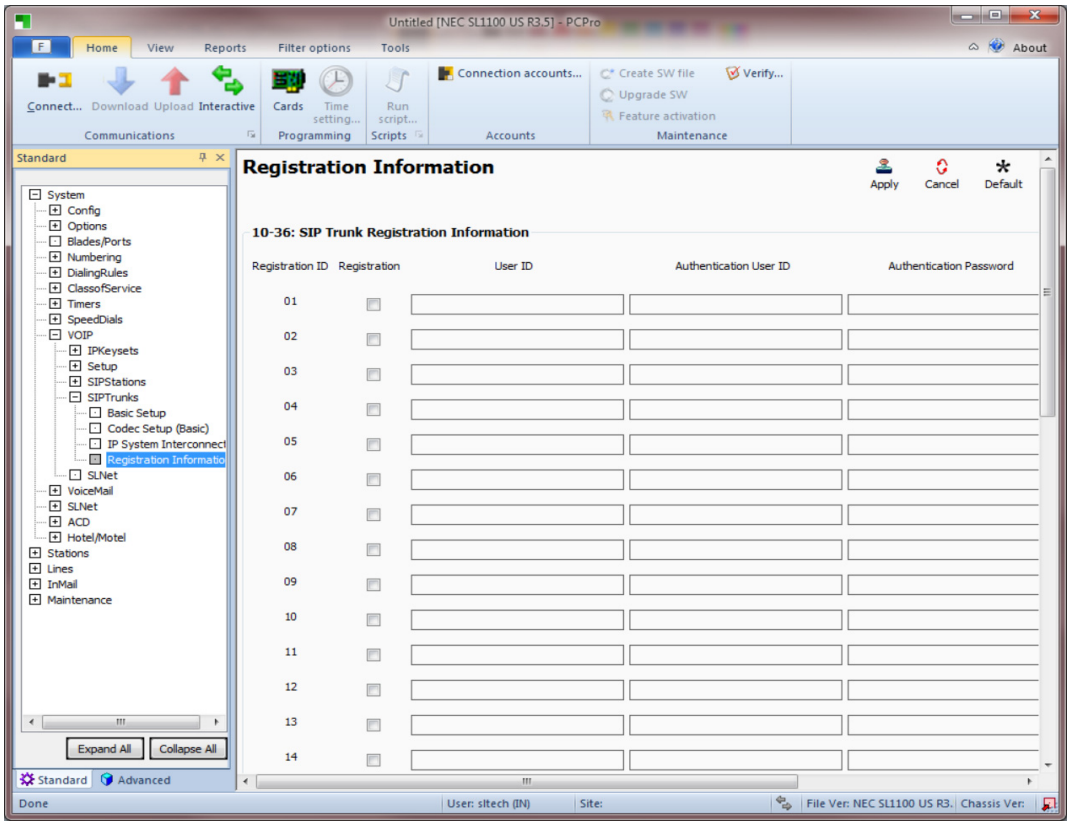


Figure 4-65 SIP Trunks - Registration Information

Define the SIP Trunk registration information.

SLNet

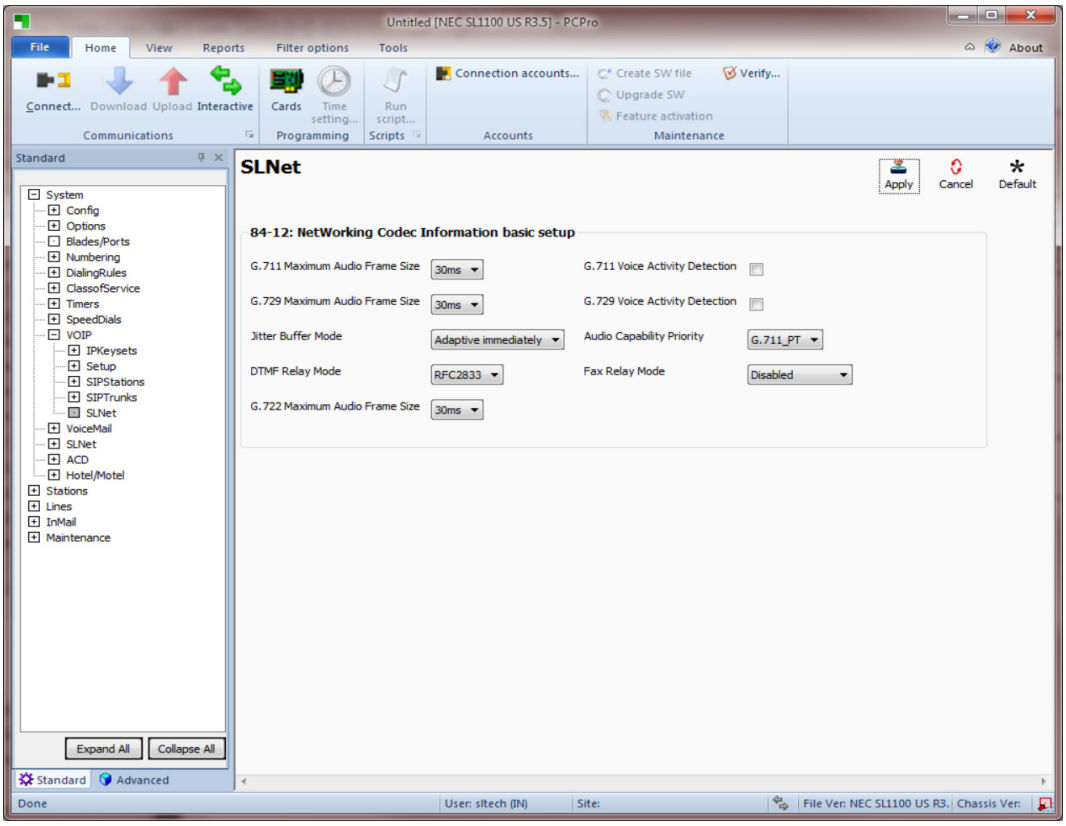


Figure 4-66 SL Networking Codec Information

Define the SL Networking CODEC Information.

3.10 VoiceMail

Setup

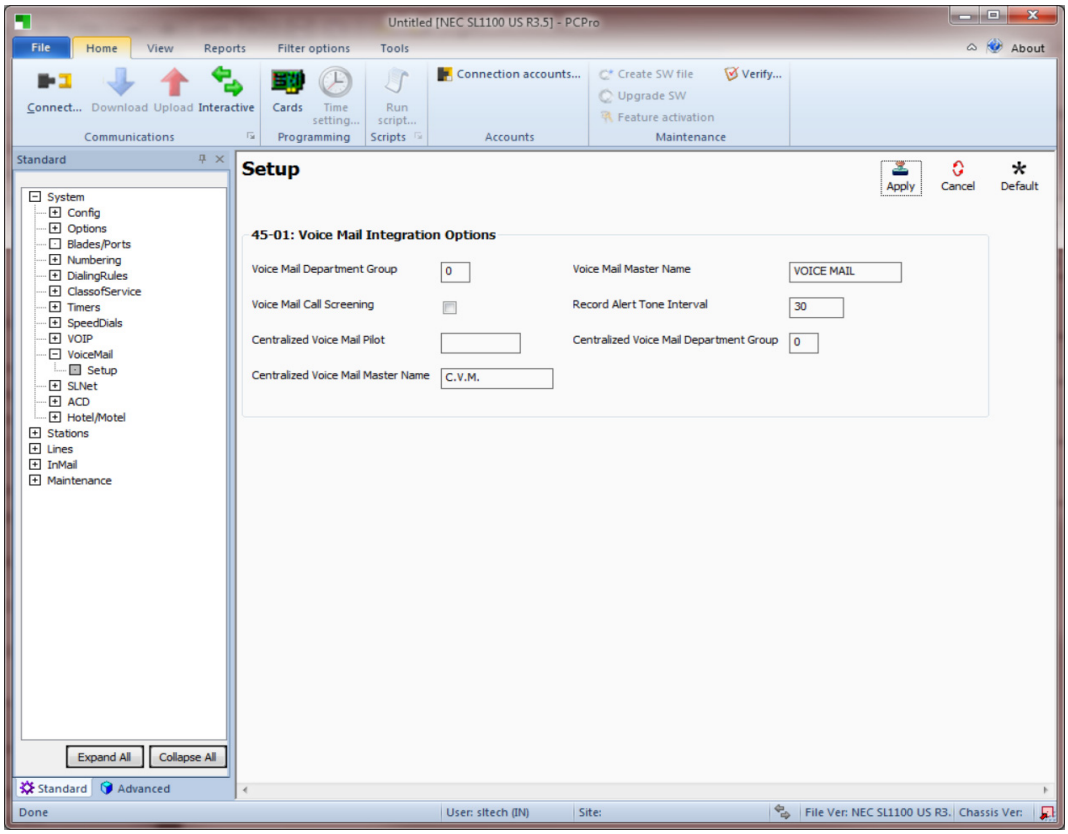


Figure 4-67 VoiceMail Setup Screen

Customize the Voice Mail Integration Options.

3.11 SLNet

Setup

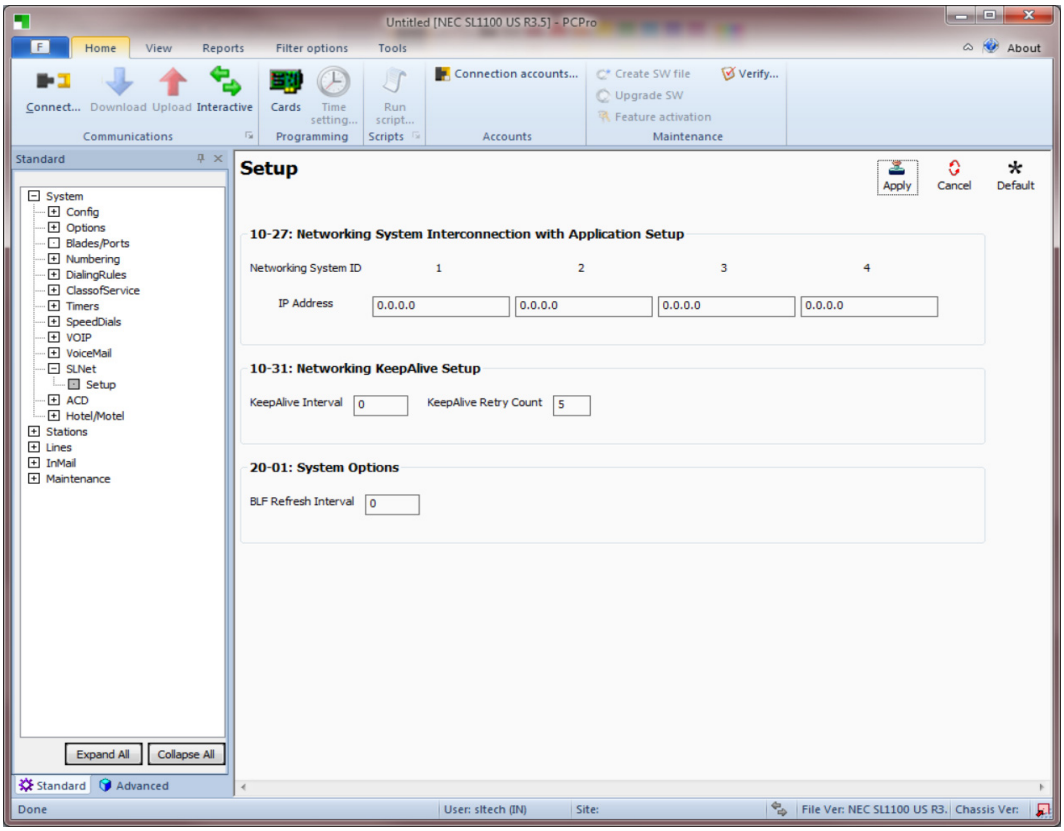


Figure 4-68 SL Networking Setup

Define the Networking System IP Addresses, Keep Alive Setup, and BLF Refresh Interval.

3.12 ACD

Setup-Basic Setup

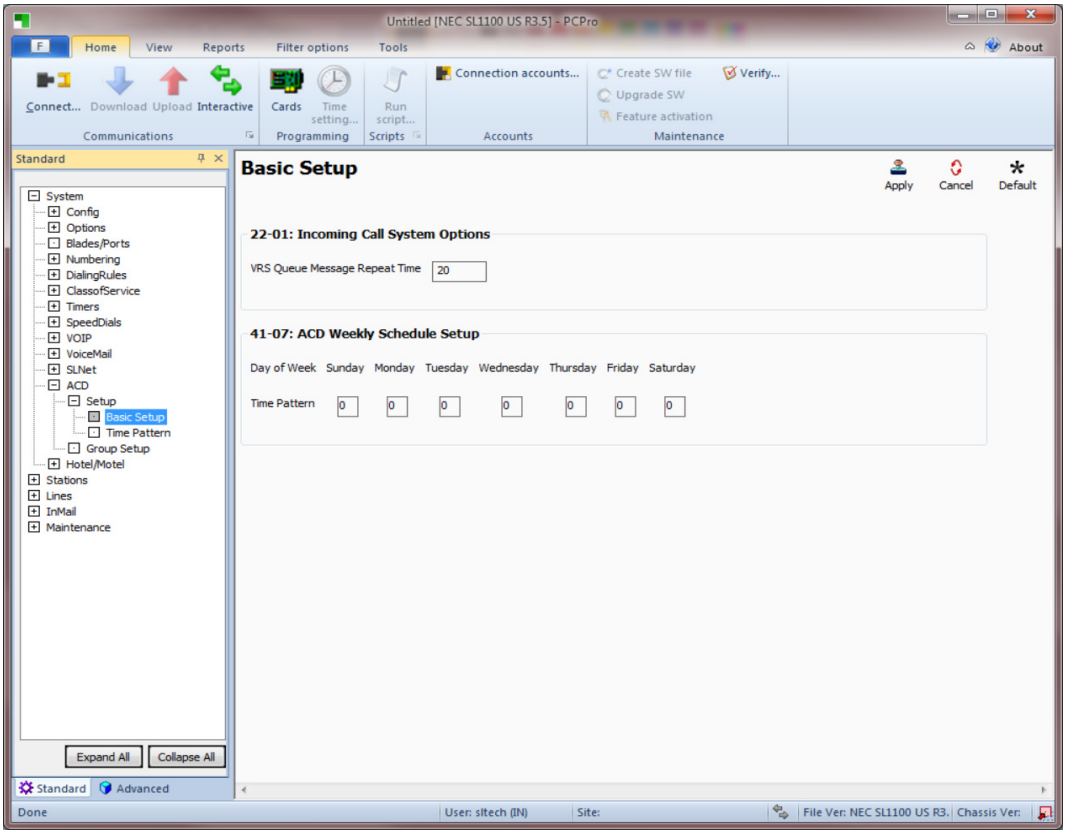


Figure 4-69 ACD Basic Setup

Define the Queue Message Repeat Time, and ACD Weekly Schedule Setup.

Setup-Time Pattern

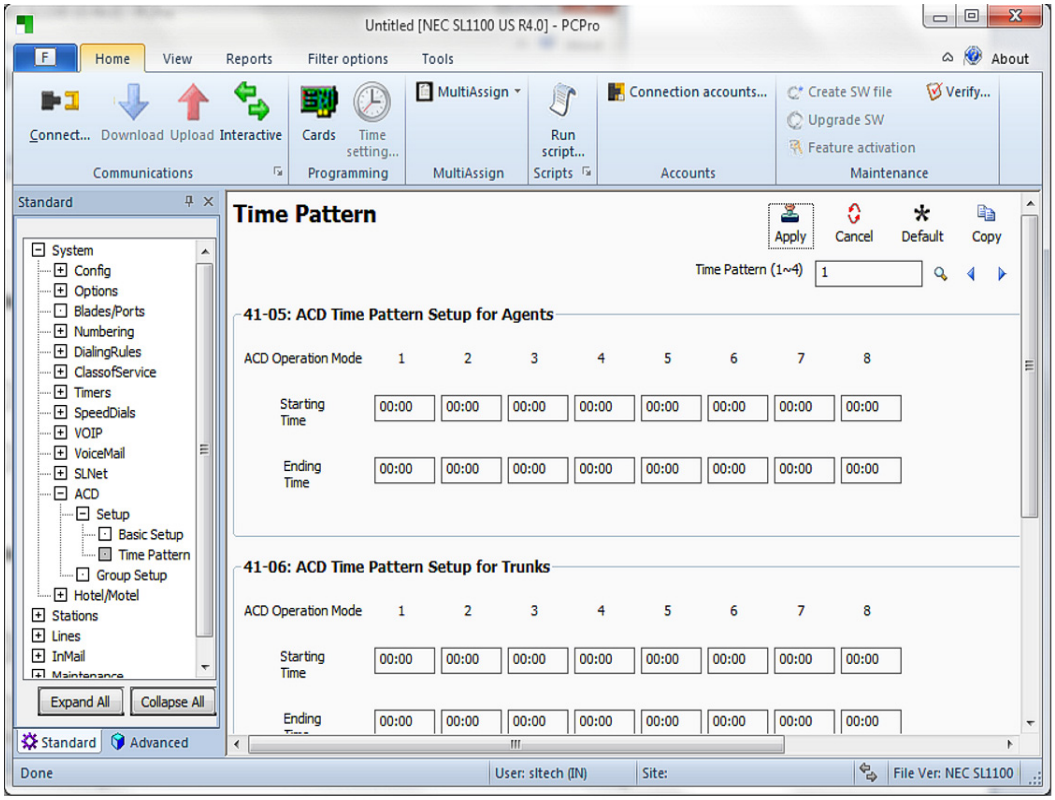


Figure 4-70 ACD Time Pattern Setup

Define the ACD Time Patterns for Agents and Trunks.

Group Setup

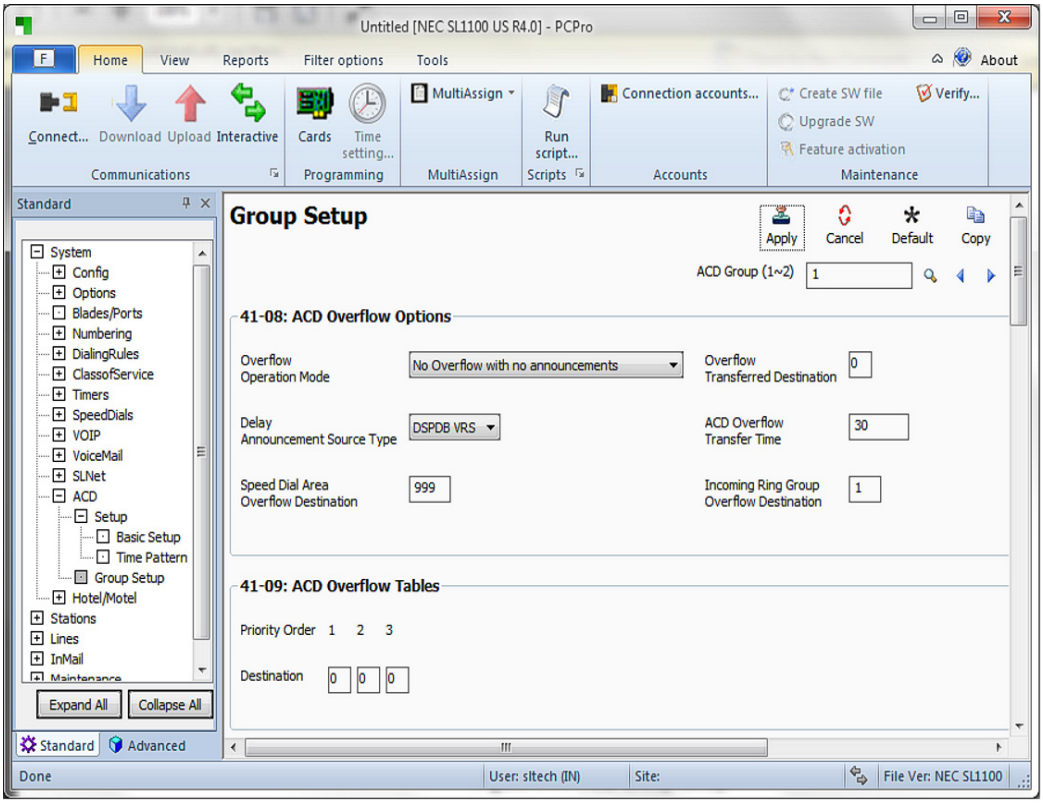


Figure 4-71 ACD Group Setup

Define the ACD Overflow Options, Overflow Tables, Delay Announcement VRS Settings, Night Announcement Options, Night Announcement VRS Settings, ACD Group Options, ACD Queue Threshold Settings, Delay Announcement Voice Mail Settings, and ACD Queue Display Settings.

3.13 Hotel/Motel

Codes

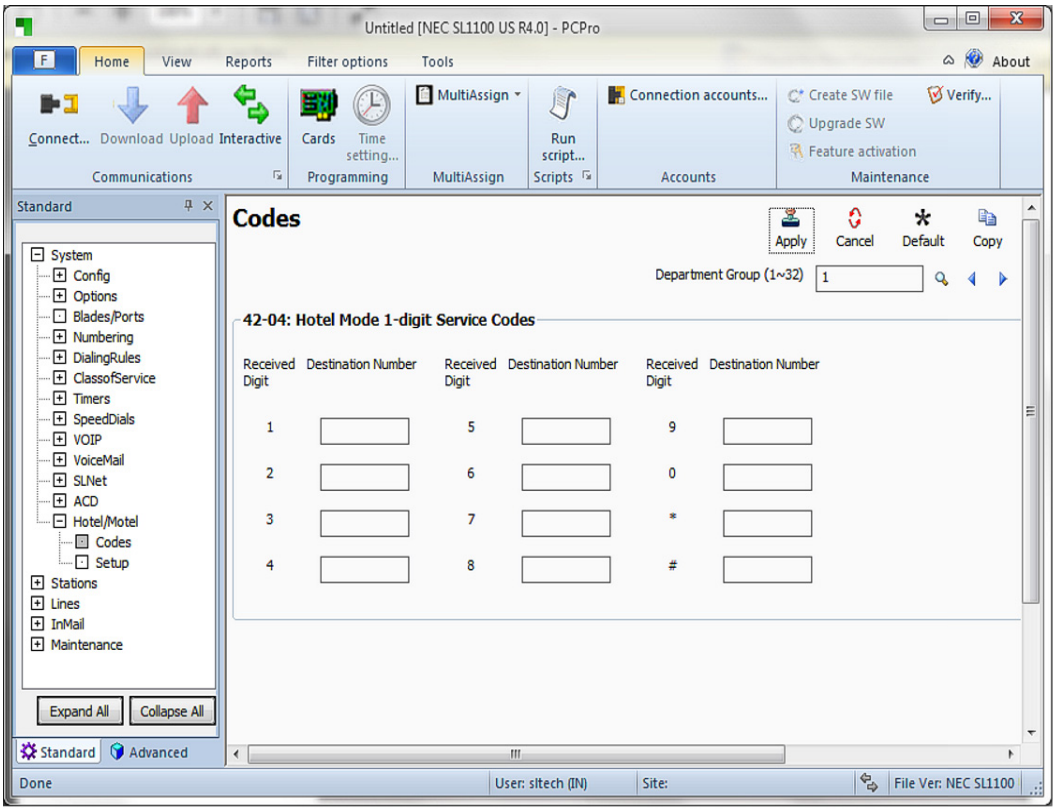


Figure 4-72 Hotel/Motel - Codes

Define the Hotel/Motel one digit service codes.

Setup

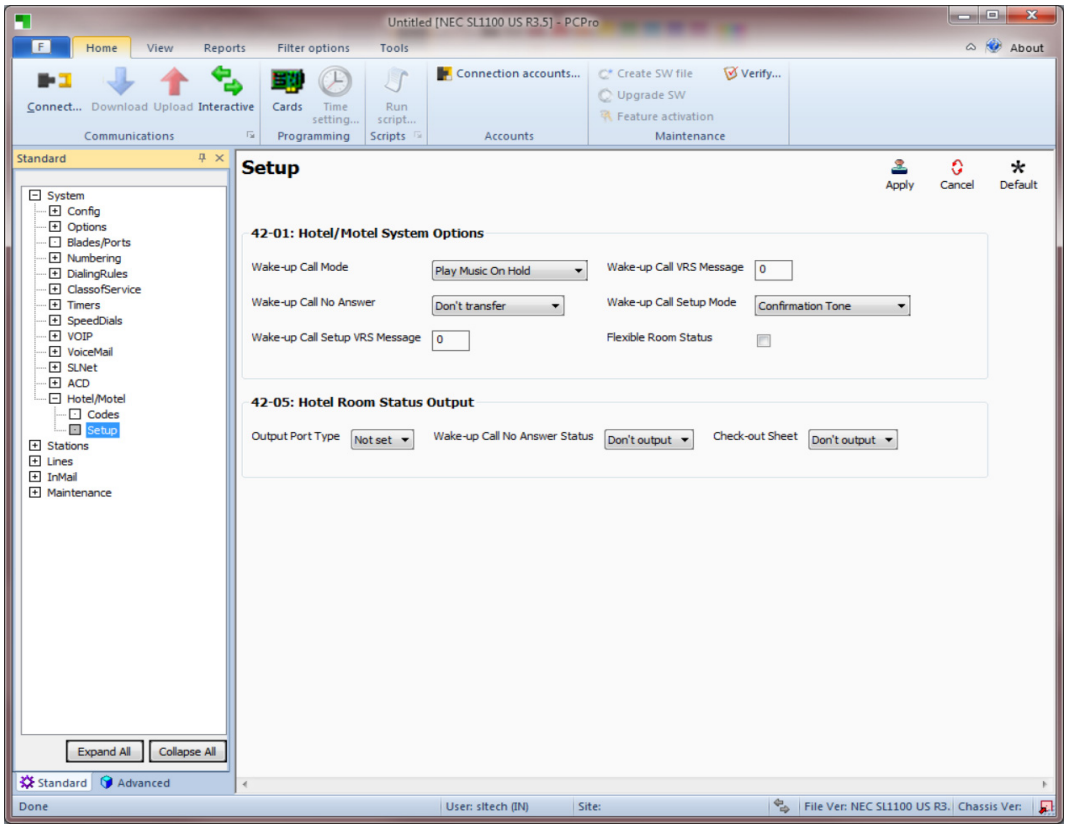


Figure 4-73 Hotel/Motel - Setup

Define the Hotel/Motel System Options and Hotel Room Status Output.

SECTION 4 STATIONS

The Stations section of the Standard View is used to define the most common station settings in the SL1100. The Station section consists of Config, Doorphones, Department Groups, DSS, and Text Messages settings. Each of these subsections will be displayed later in this section.

4.1 Config

Setup

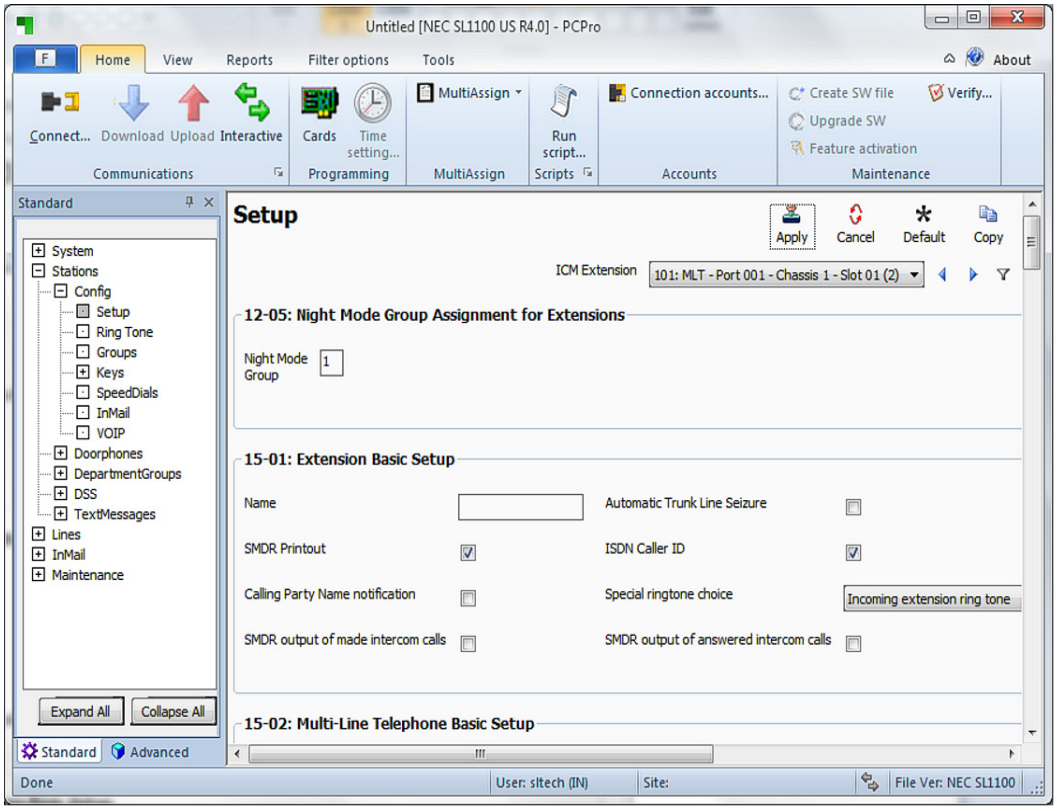


Figure 4-74 Stations - Configuration Setup

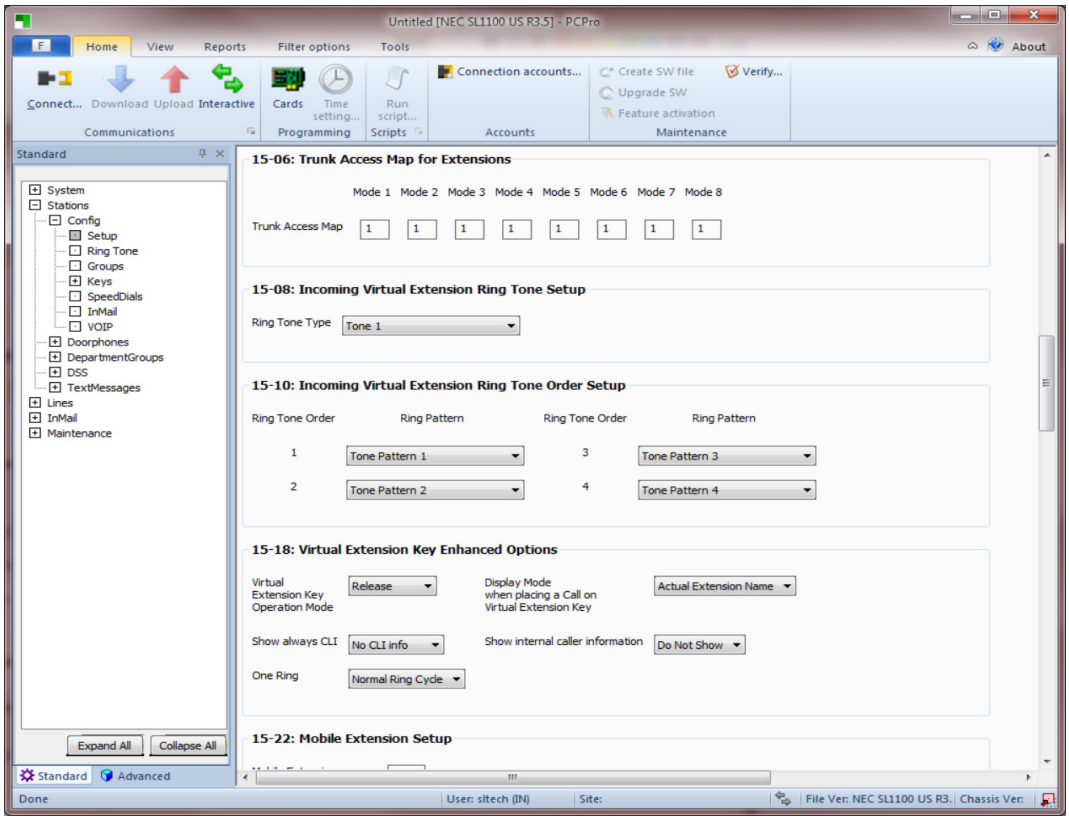


Figure 4-75 Stations - Configuration Setup (continued)

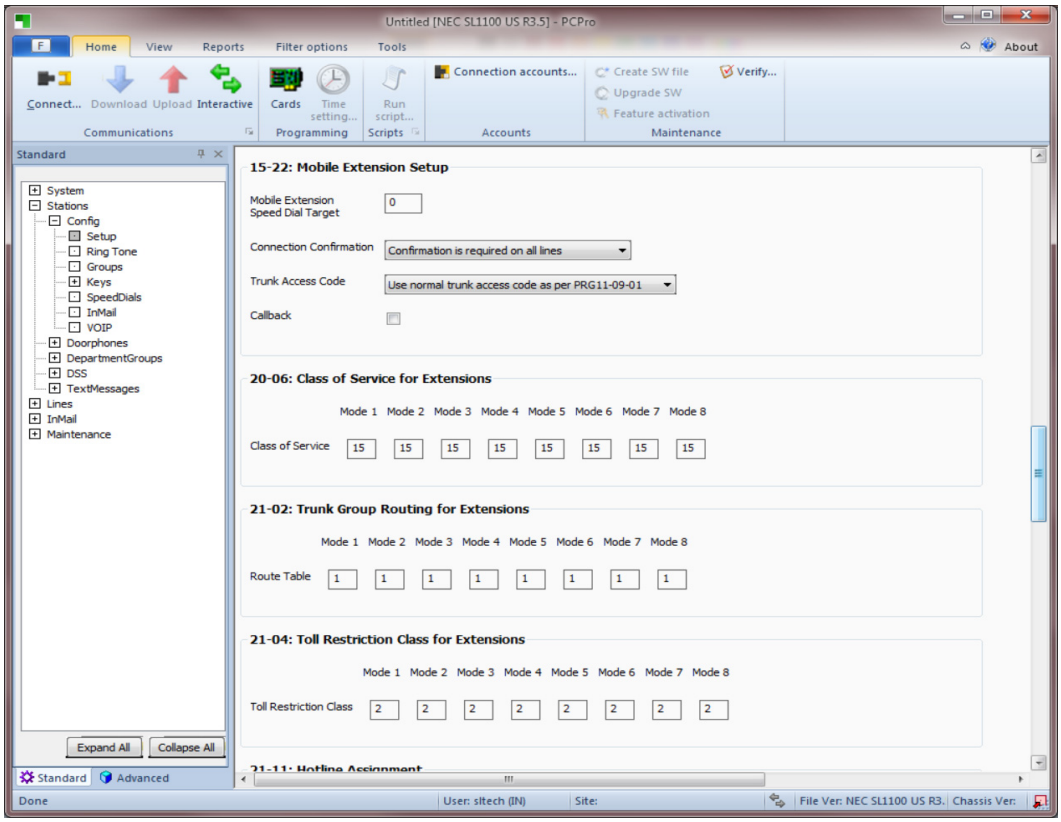


Figure 4-76 Stations - Configuration Setup (continued)

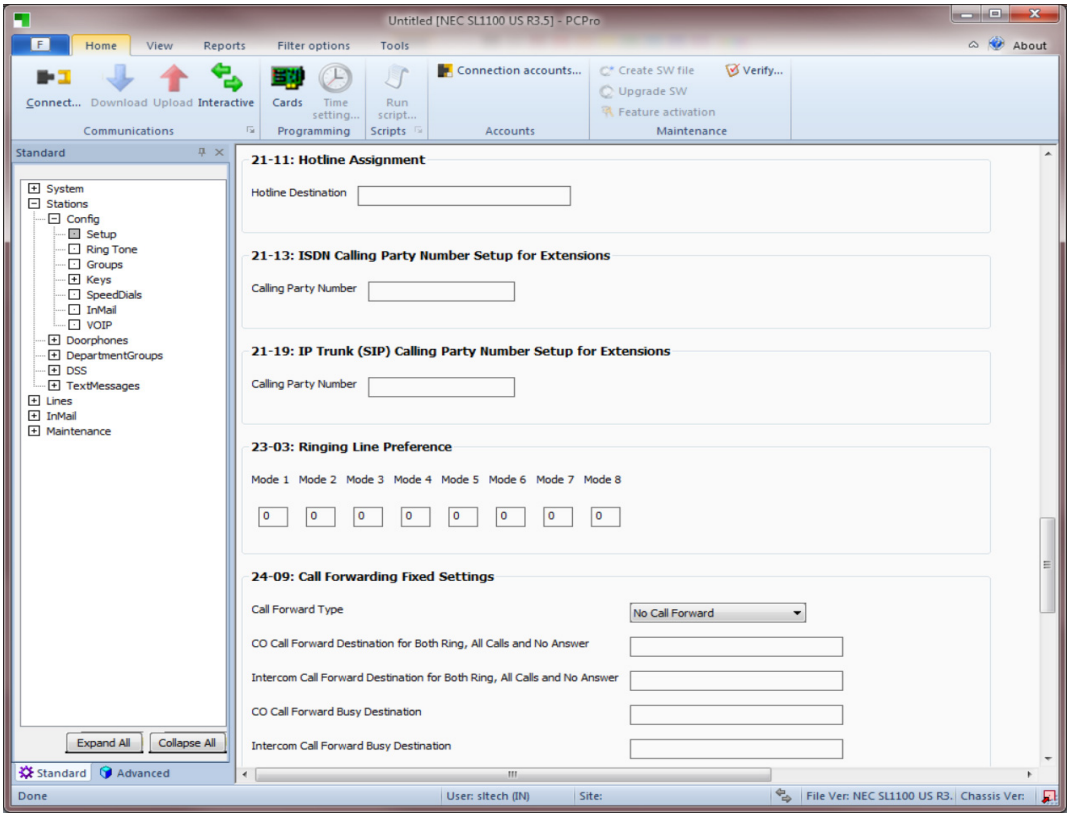


Figure 4-77 Stations - Configuration Setup (continued)

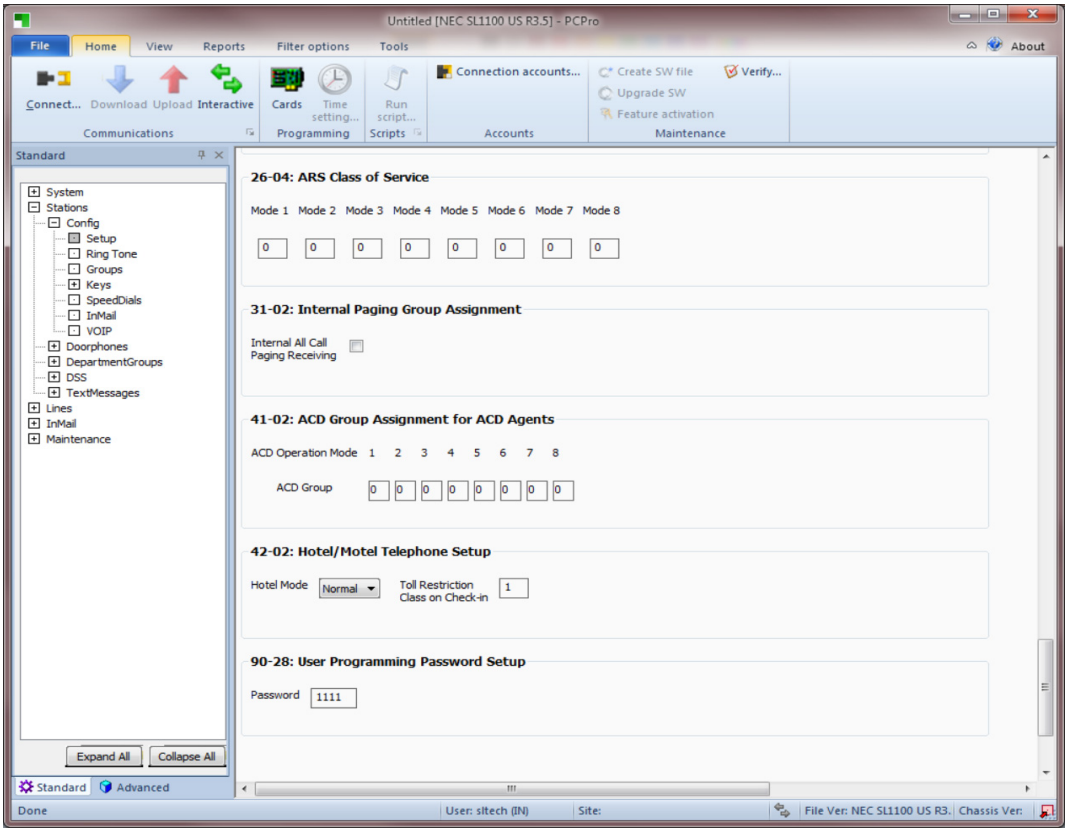


Figure 4-78 Stations - Configuration Setup (continued)

Define the Night Mode Group Assignment, Extension Basic Setup, Multi-Line Telephone Setup, Incoming Virtual Extension Ring Tone Setup and Order, Virtual Extension Key Enhanced Options, Mobile Extension Setup, Class of Service, Trunk Group Routing, Tool Restriction Class, Hotline Assignment, ISDN Calling Party Number, IP Trunk (SIP) Calling Party Number, Ringing Line Preference, Call Forwarding Fixed Settings, ARS Class of Service, Internal Paging Group Assignment, ACD Group Assignment, Hotel/Motel Setup, and Users Programming Password for each extension.

Ring Tone

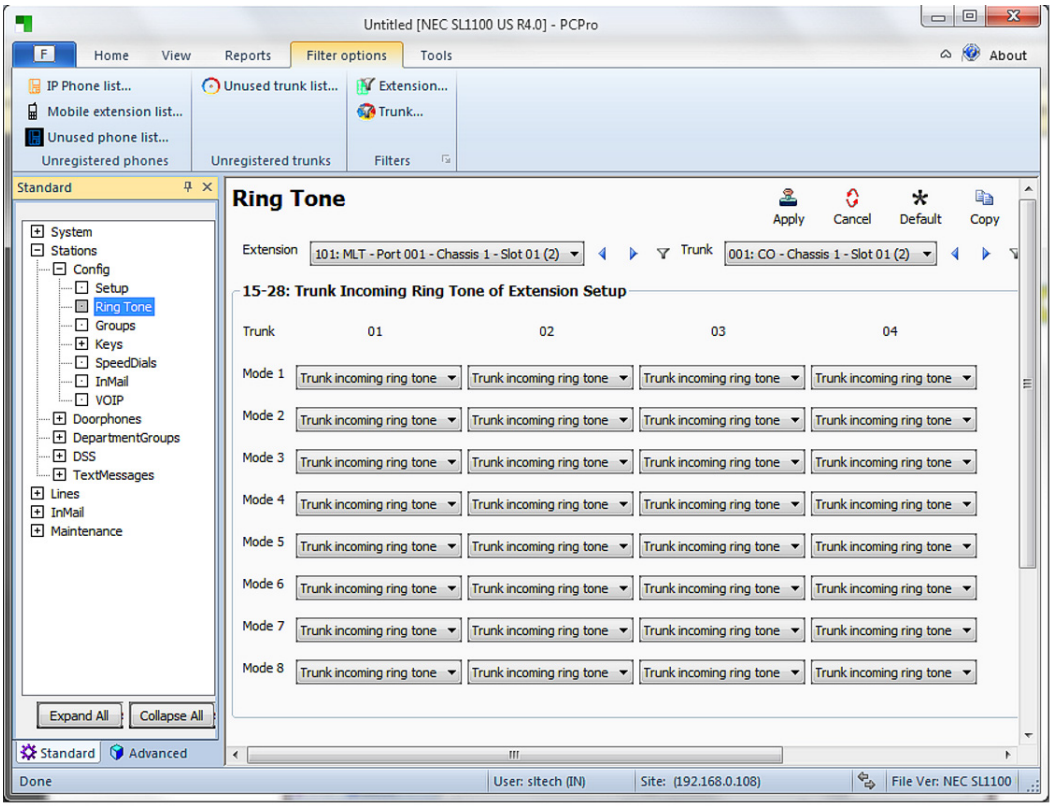


Figure 4-79 Stations - Ring Tone

Define the extensions trunk incoming ring tone for each mode.

Groups

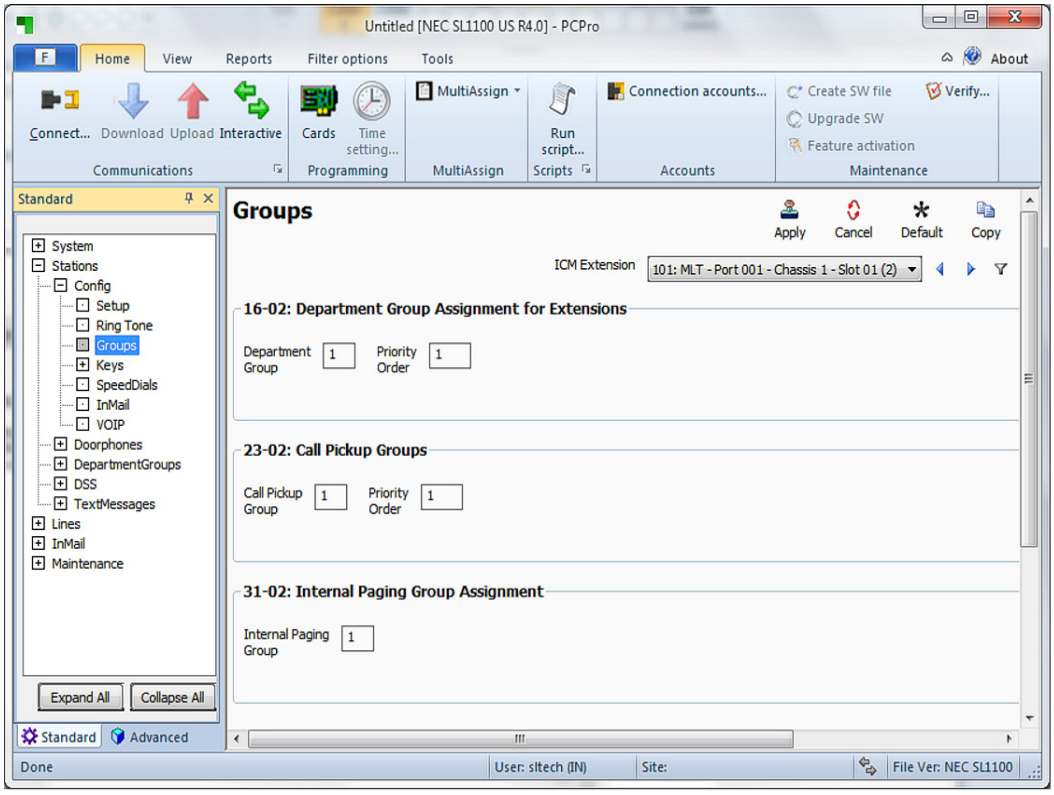


Figure 4-80 Stations - Groups

Define the Department Group Assignment, Call Pickup Group, and Internal Paging Group for each extension.

Keys-Function

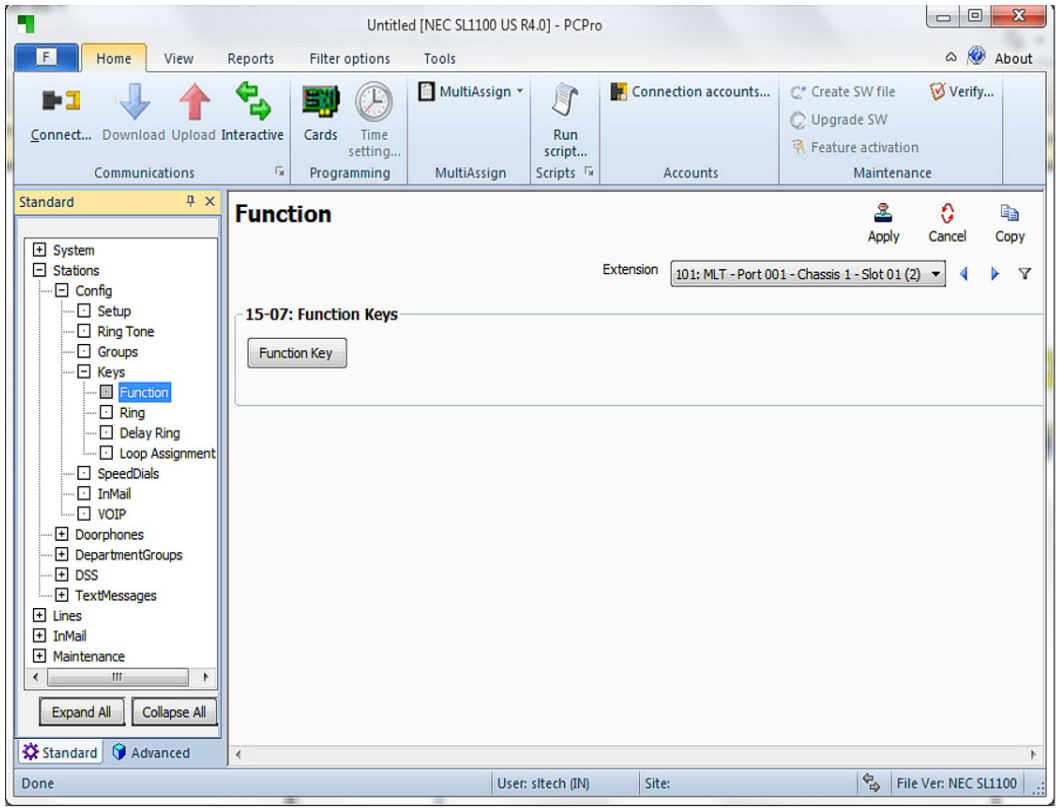


Figure 4-81 Stations - Function Keys

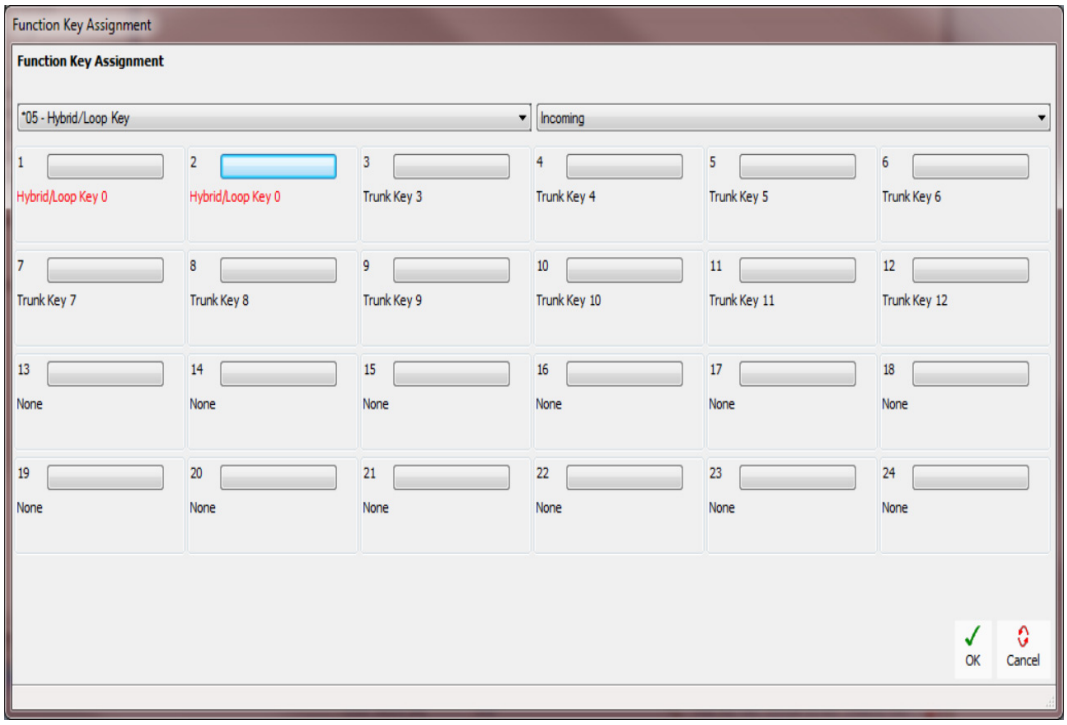


Figure 4-82 Stations - Function Keys (continued)

Define the Function Key Assignment for each extension. Clicking the Function Key button brings up the Function Key Assignment Window. Select the Key type in the left drop down box and define the additional data in the right drop down box. Once defined, click the key to apply this setting to.

Keys-Ring

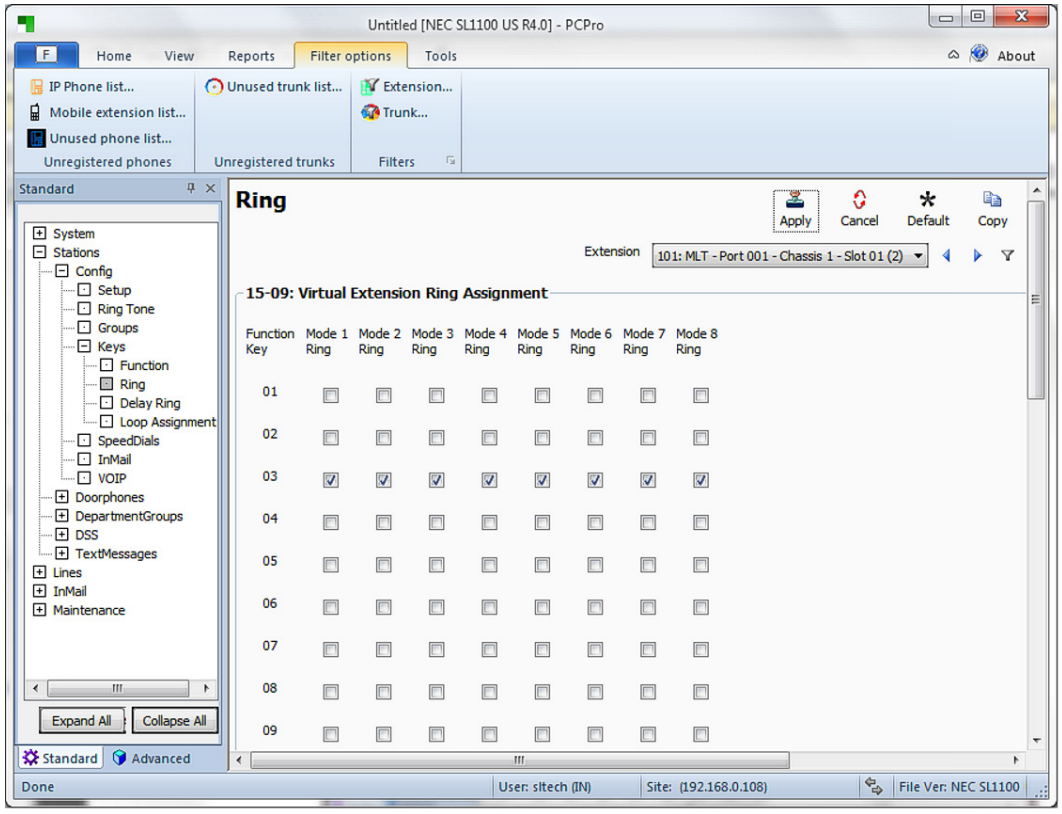


Figure 4-83 Stations - Ring Options

Define the ring options for an extension's Virtual Extension Keys. This must be defined for each Night Service Mode.

Keys-Delay Ring

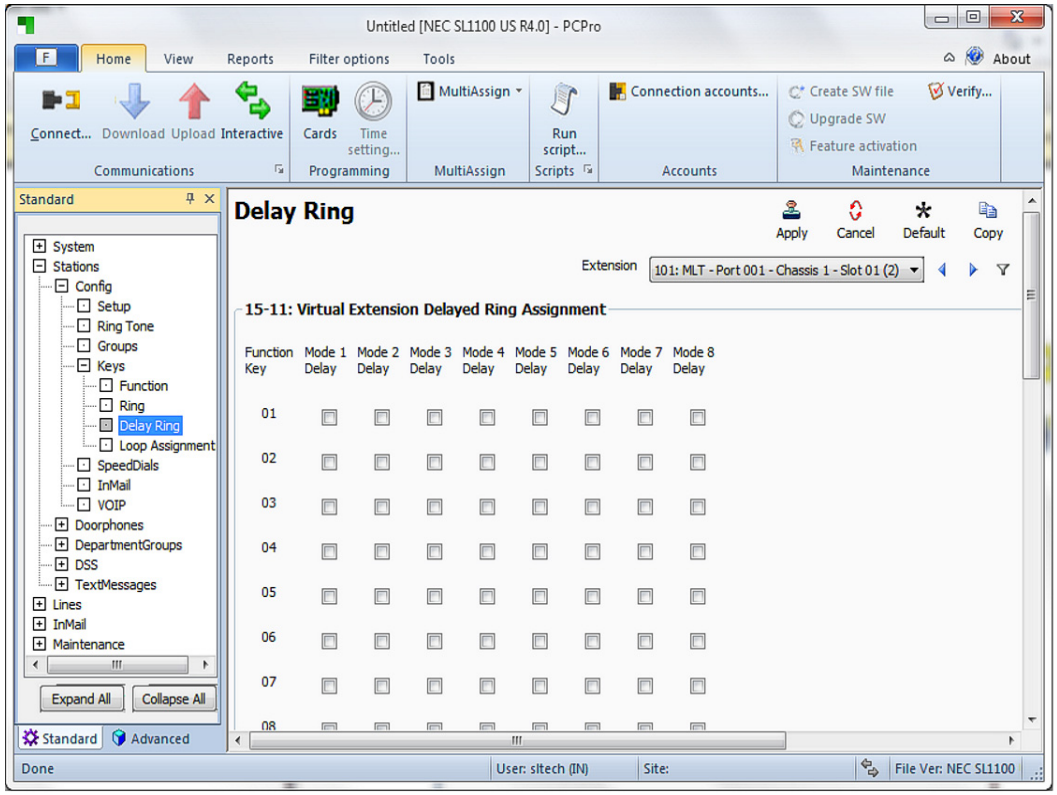


Figure 4-84 Stations - Delay Ring

Define the delay ring options for an extension's Virtual Extension Keys. This must be defined for each Night Service Mode.

Keys-Loop Assignments

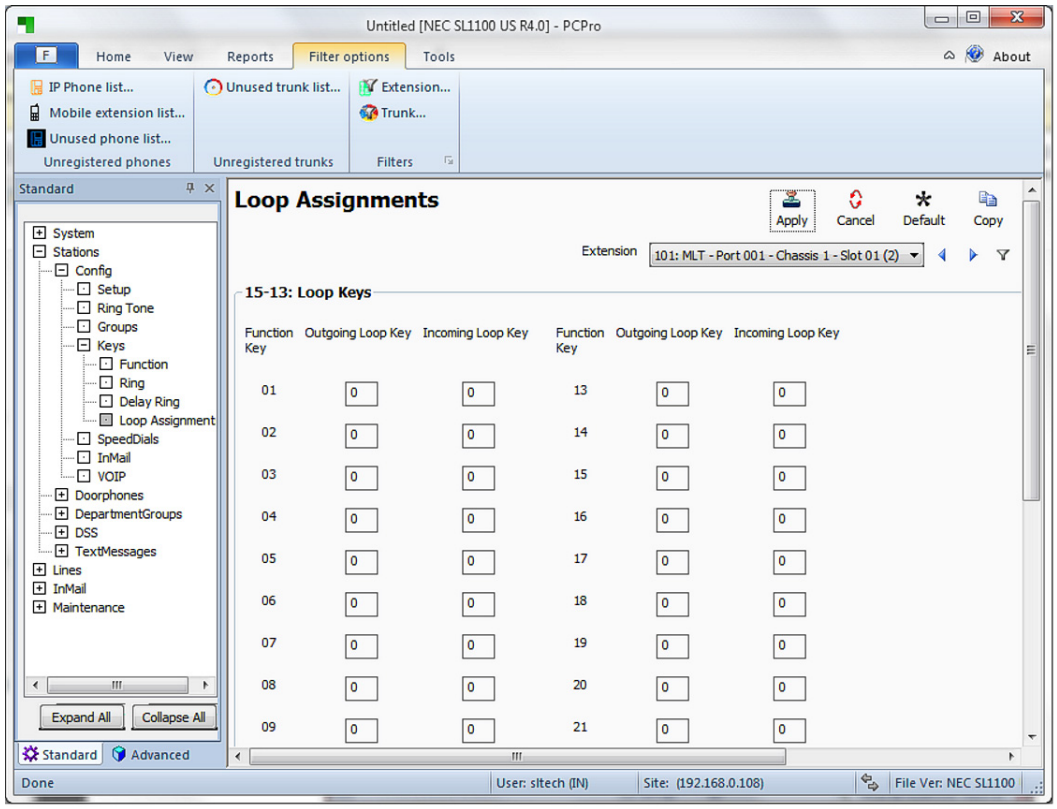


Figure 4-85 Stations - Loop Key Assignments

Define the Loop Key Assignment for each extension.

Speed Dials

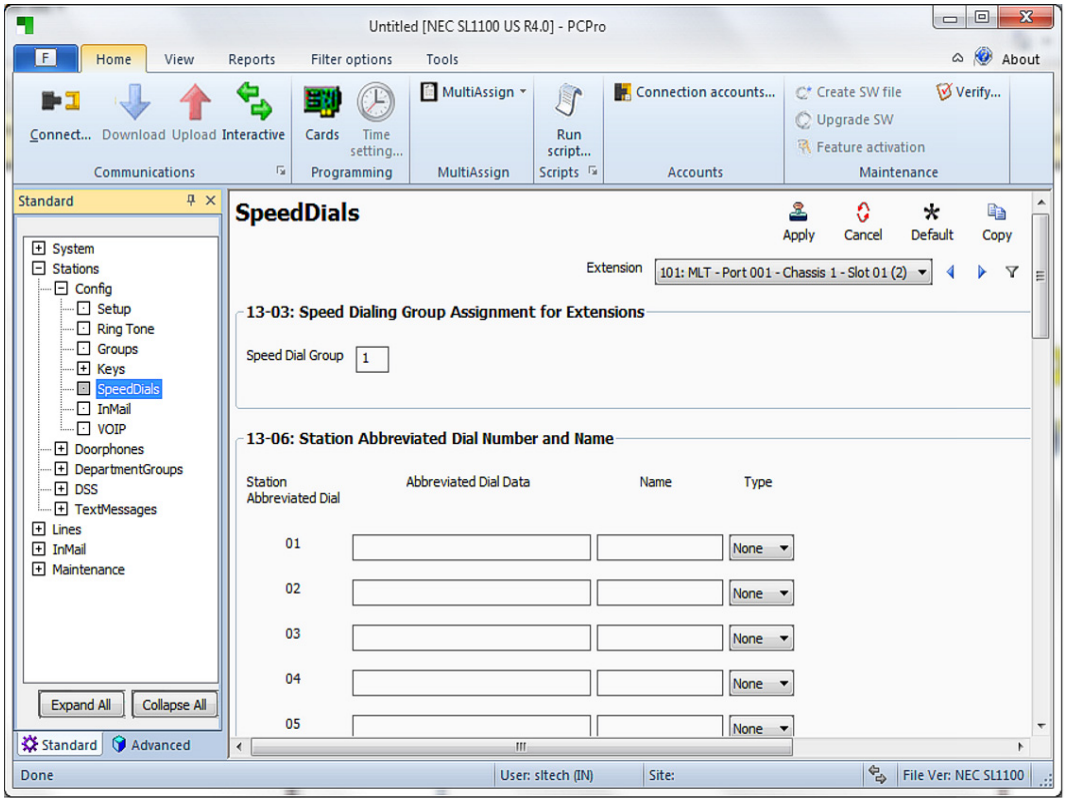


Figure 4-86 Stations - Speed Dial Group

Assign extensions to a Speed Dial Group and define the dial number and name for each speed dial number.

InMail

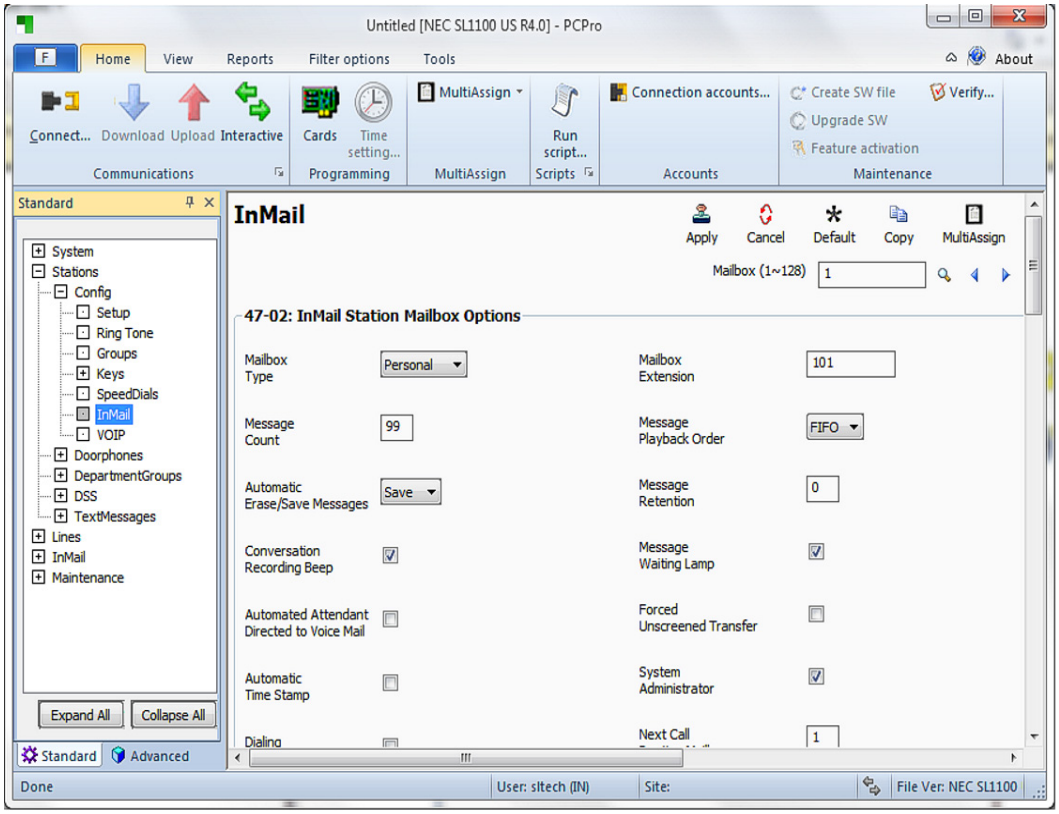


Figure 4-87 Stations - InMail

Define the InMail Station Mailbox Options.

VoIP

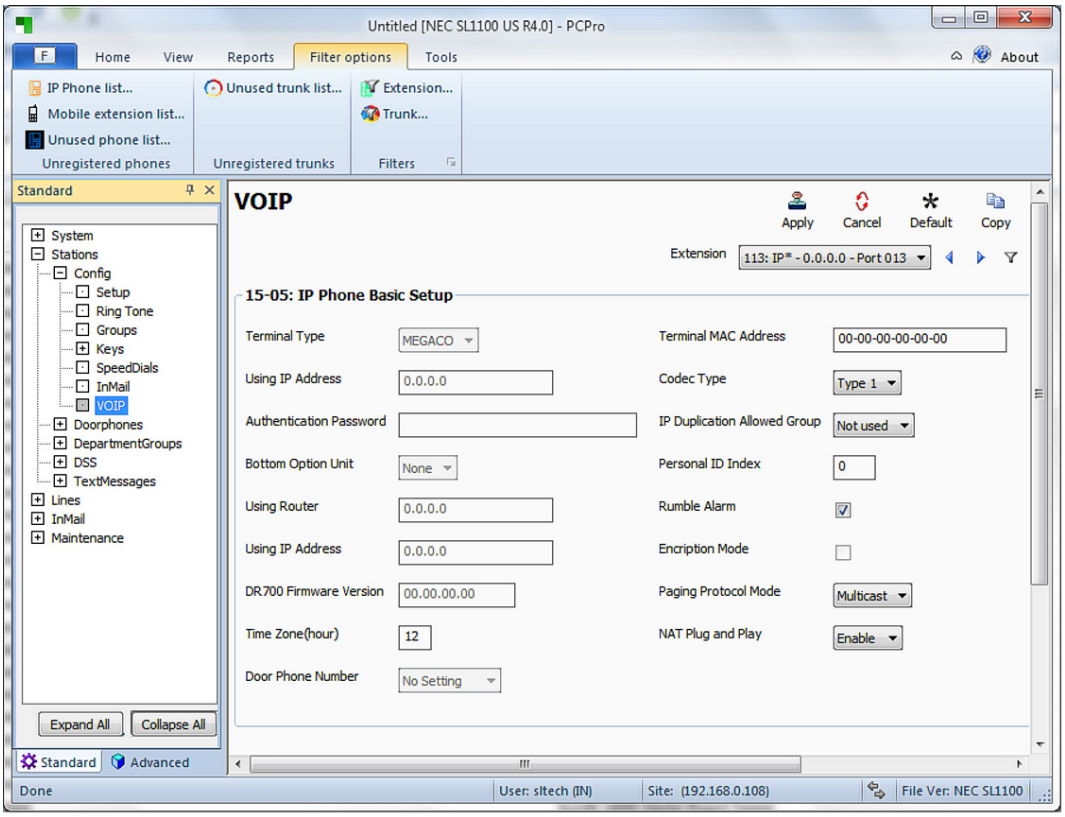


Figure 4-88 Stations - VoIP

Define the basic settings for IP Telephones.

4.2 Doorphones

Setup

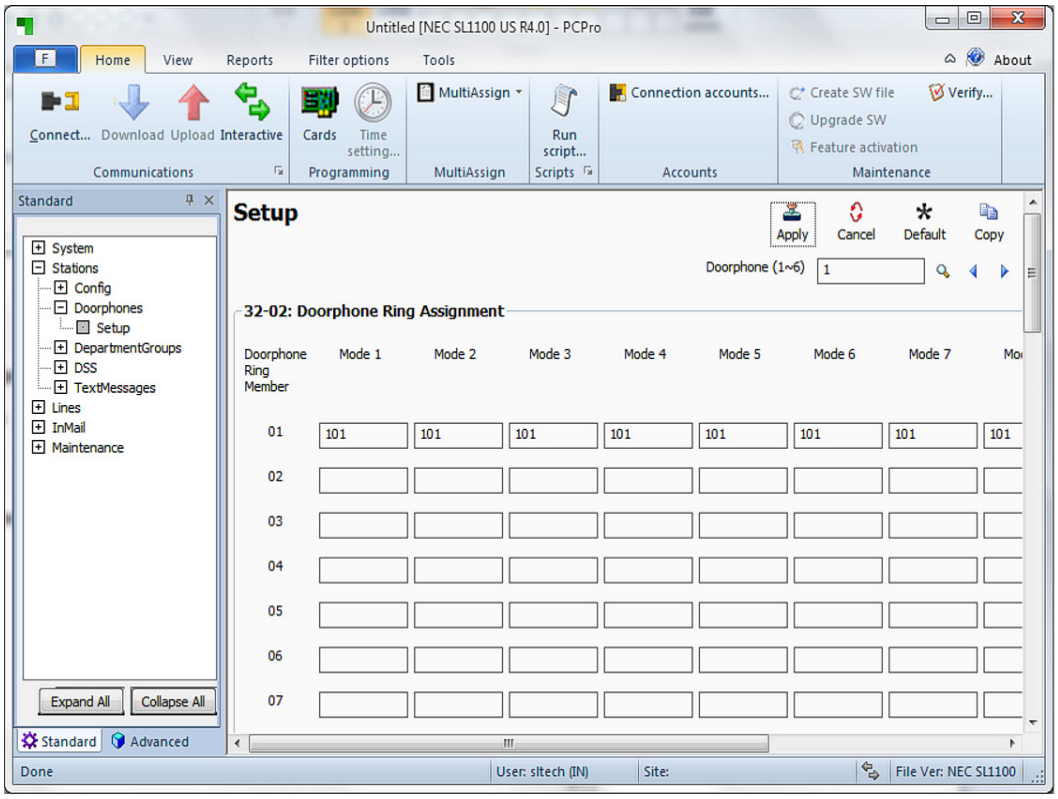


Figure 4-89 Doorphones - Ring Assignment

Assign the extensions that ring when the associated Door Box button is pressed.

4.3 Department Groups

Setup

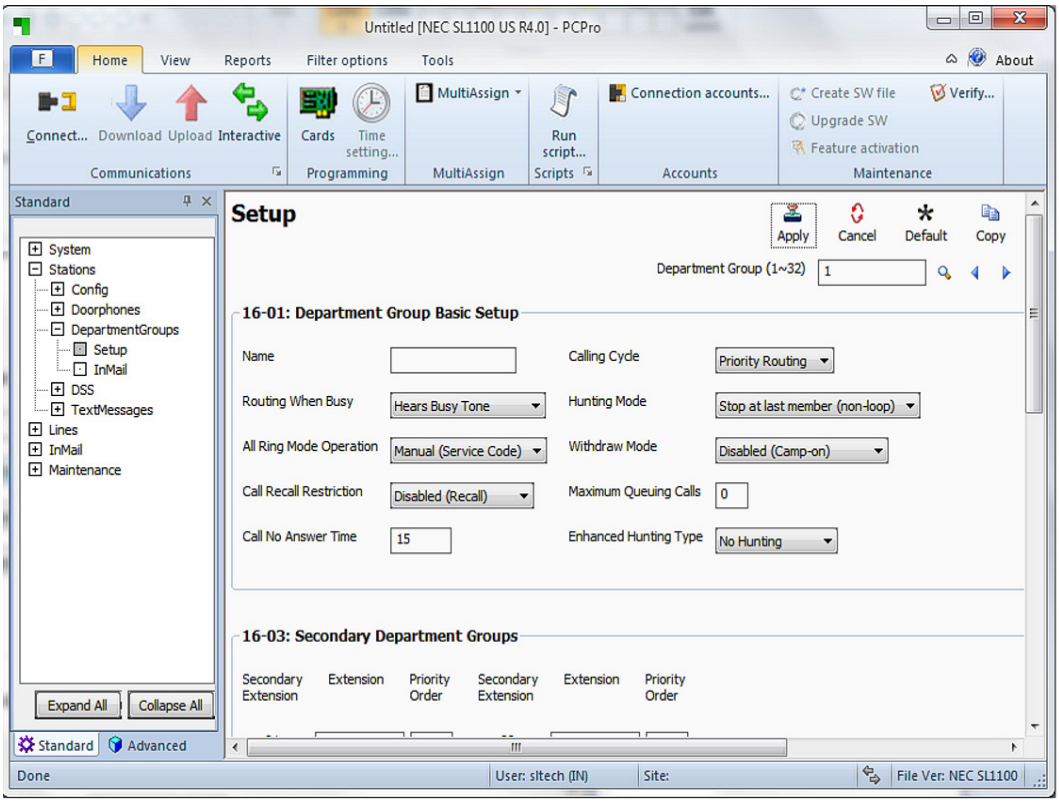


Figure 4-90 Department Groups - Setup

Define Department Group Basic options, Assign extensions second Department Group, and set Department group calling restriction.

InMail

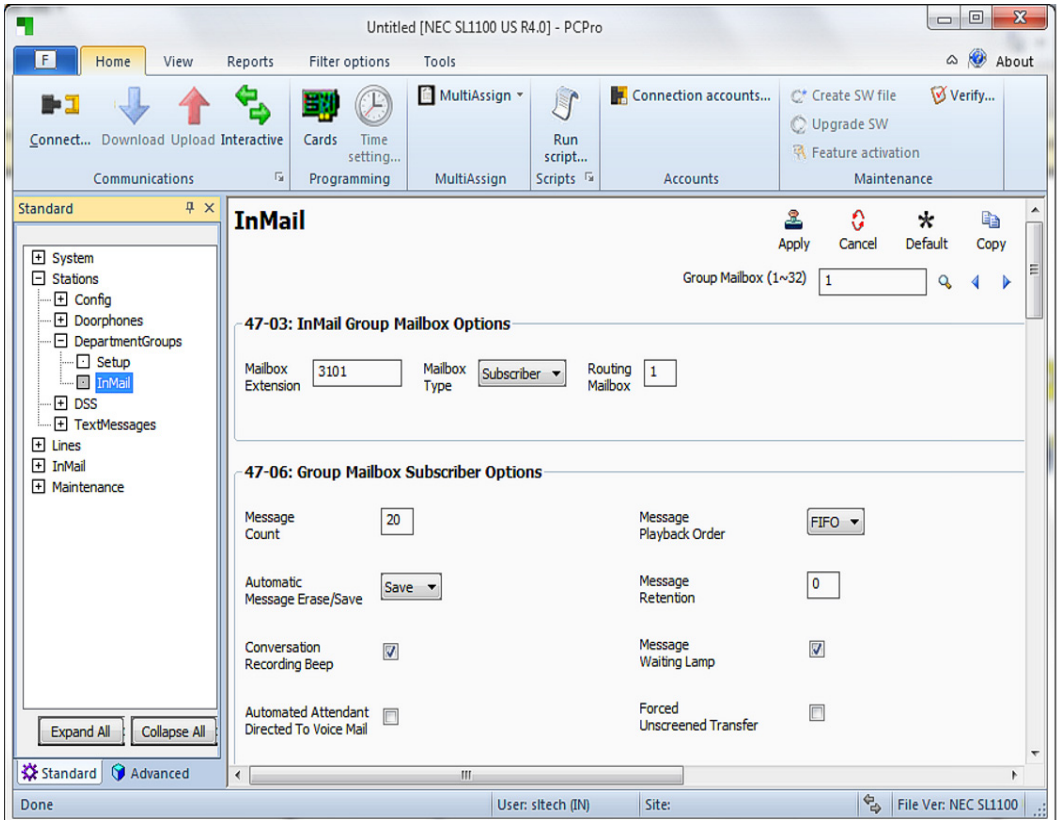


Figure 4-91 Department Groups - InMail

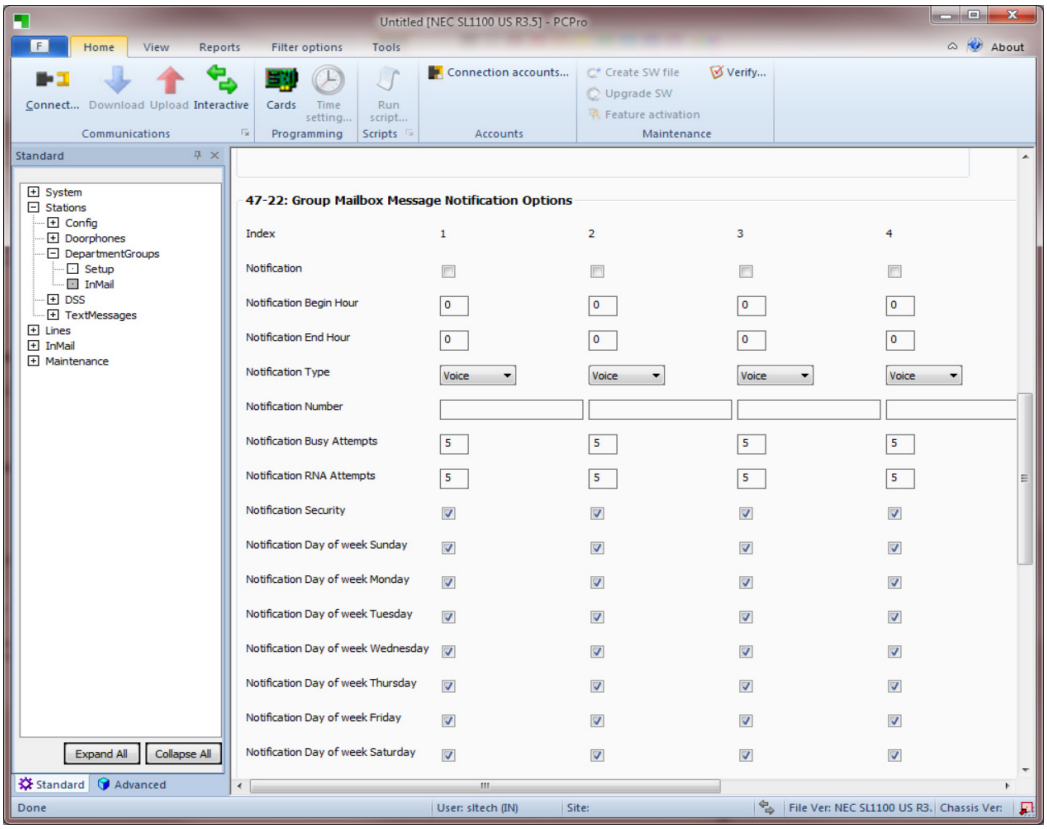


Figure 4-92 Department Groups - InMail (continued)

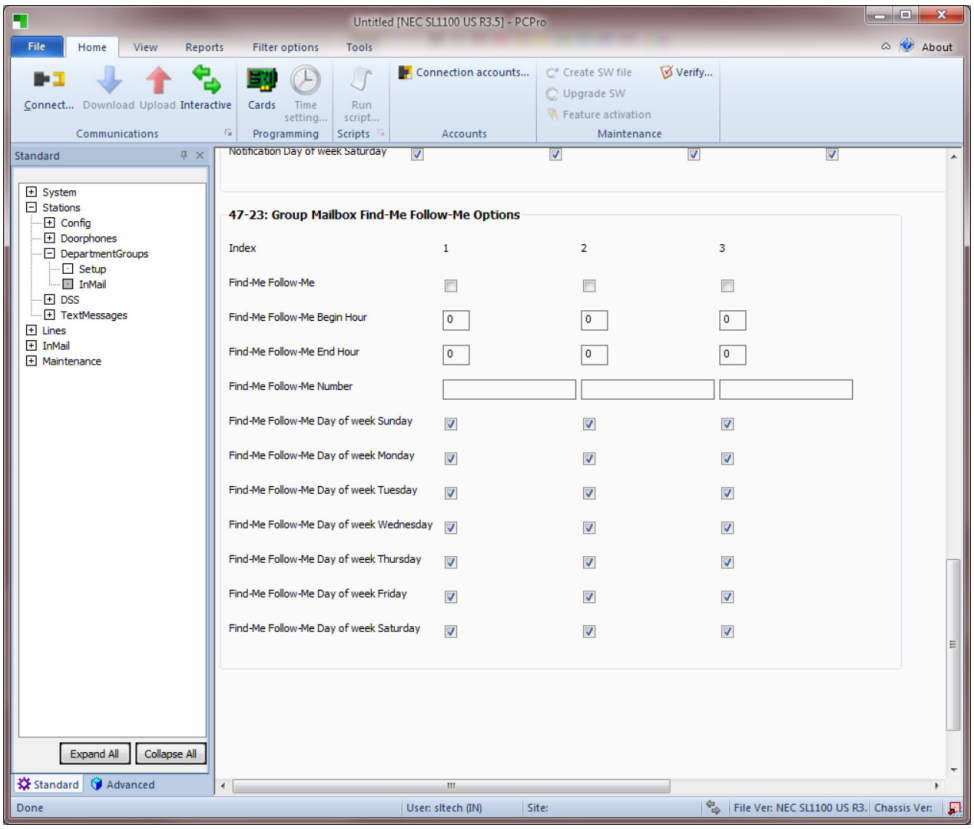


Figure 4-93 Department Groups - InMail (continued)

Define InMail Group Mailbox Options, Group Mailbox Subscriber Options, Group Mailbox Message Notification Options, and Group Mailbox Find-Me Follow-Me Options.

4.4 DSS

Setup

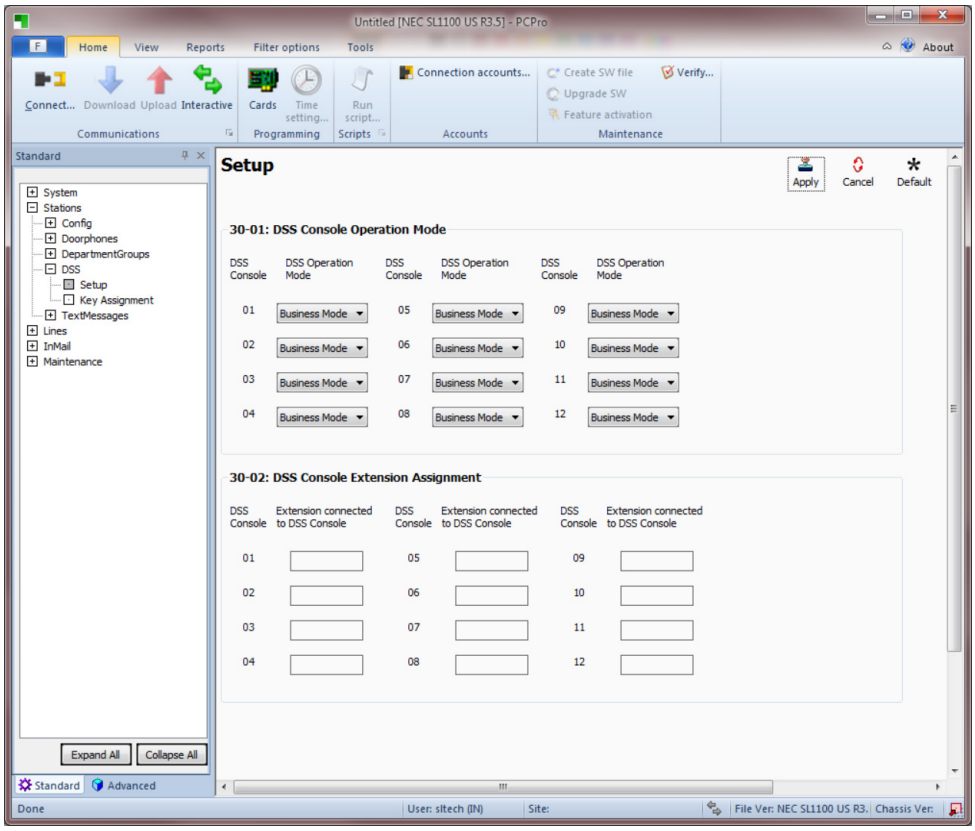


Figure 4-94 DSS - Setup

Define DSS Console Operation Mode and Extension Assignment.

Key Assignment

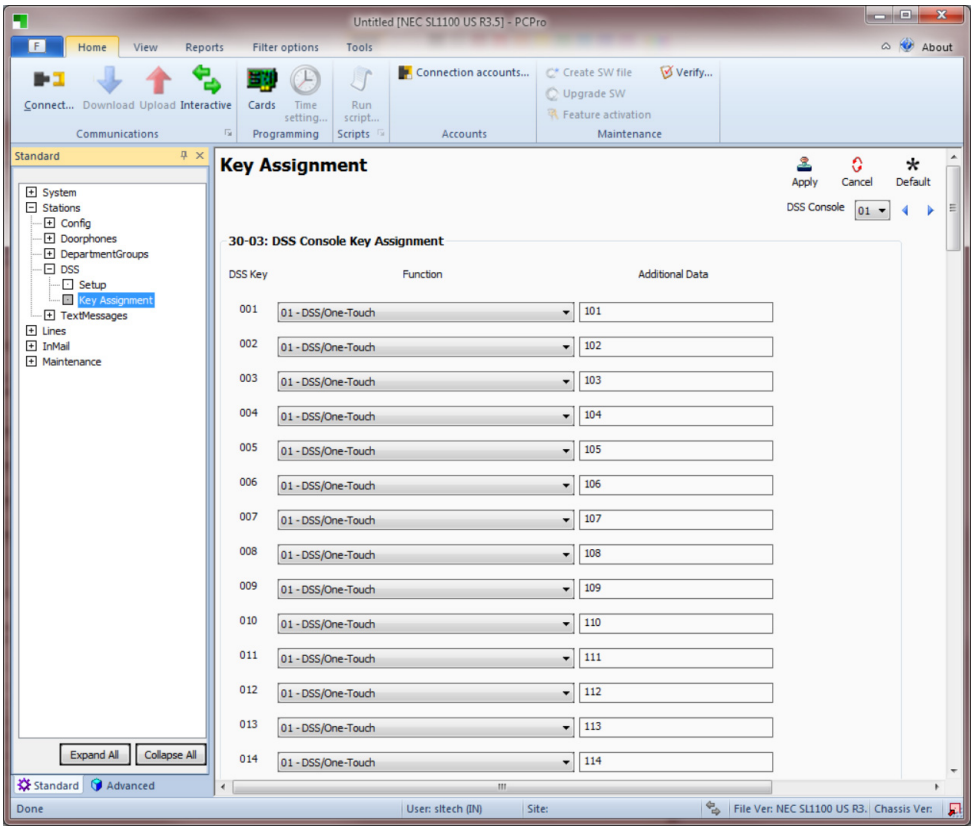


Figure 4-95 DSS Console Key Assignment

Assign Function Keys to DSS Console Keys.

4.5 Text Messages

Setup

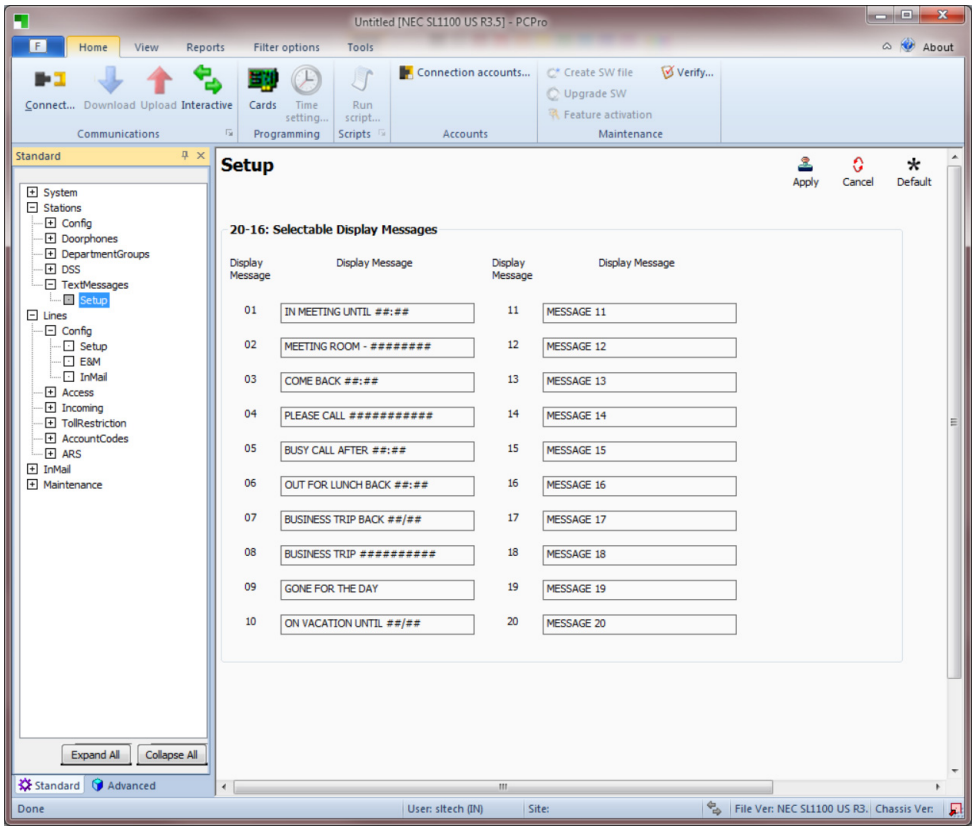


Figure 4-96 Text Messages - Setup

Define the Selectable Display Messages up to 24 characters each.

SECTION 5 LINES

The Lines section of the Standard View is used to define the most common trunk related settings in the SL1100. The Lines section consists of Config, Access, Incoming, Toll Restriction, Account Codes, and ARS settings. Each of these subsections will be displayed later in this section.

5.1 Config

Setup

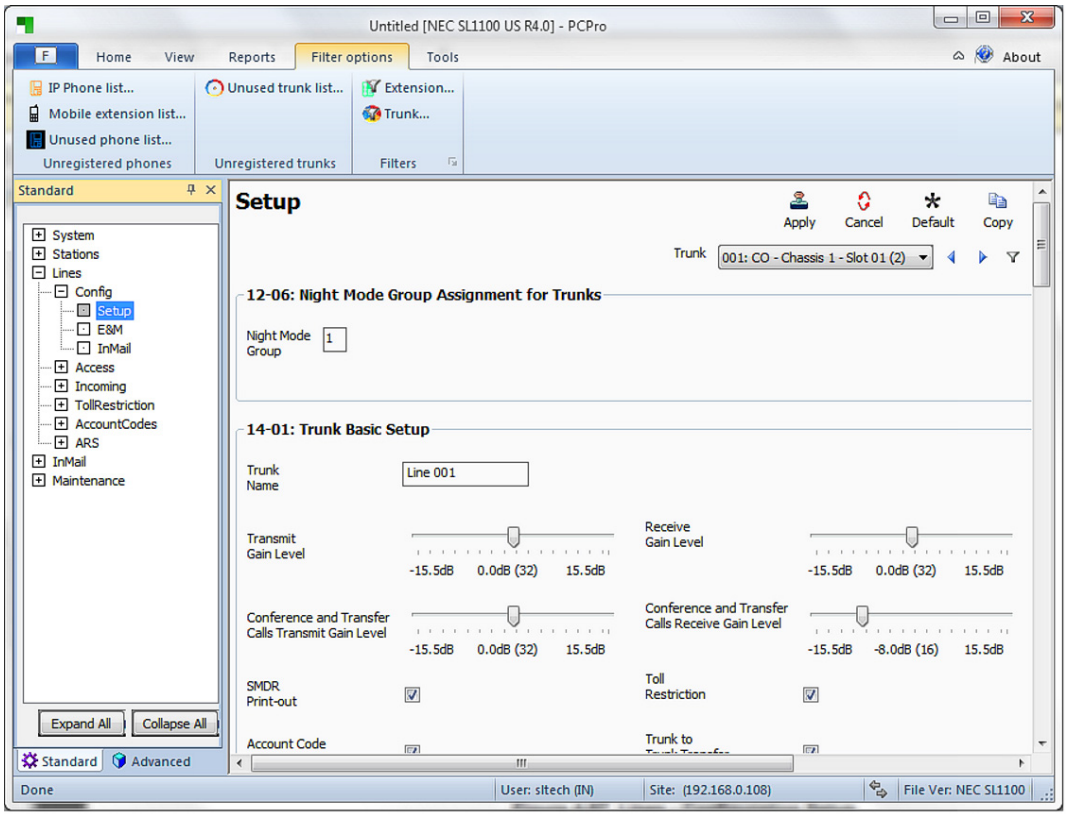


Figure 4-97 Lines - Configuration Setup

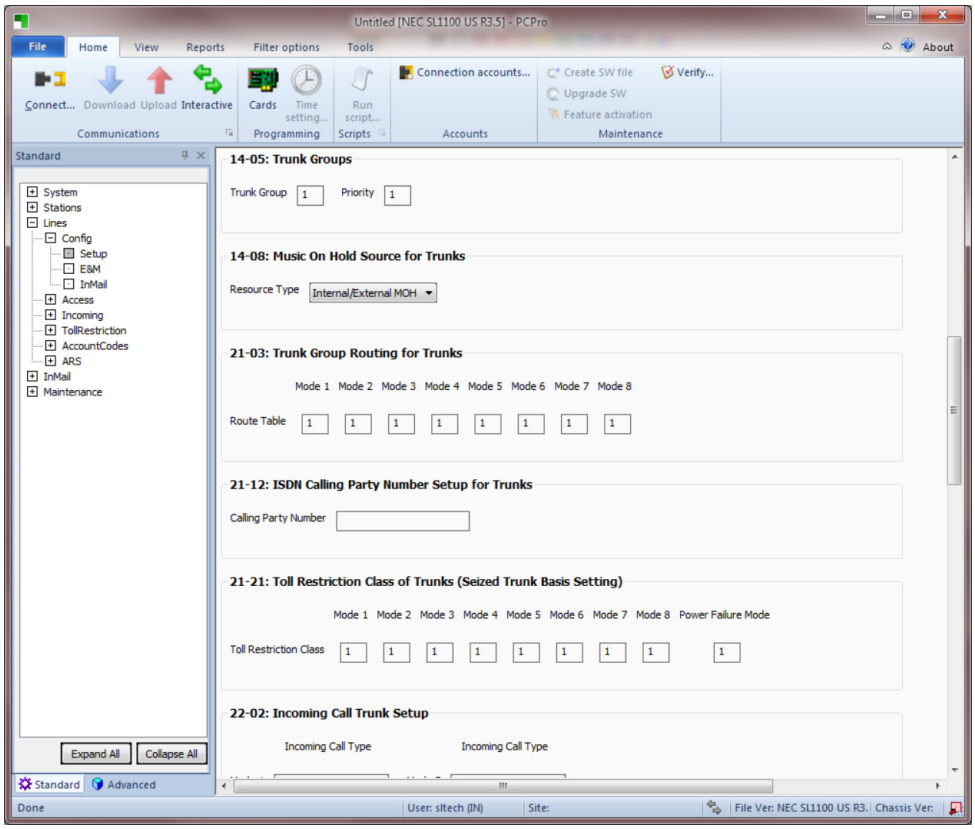


Figure 4-98 Lines - Configuration Setup (continued)

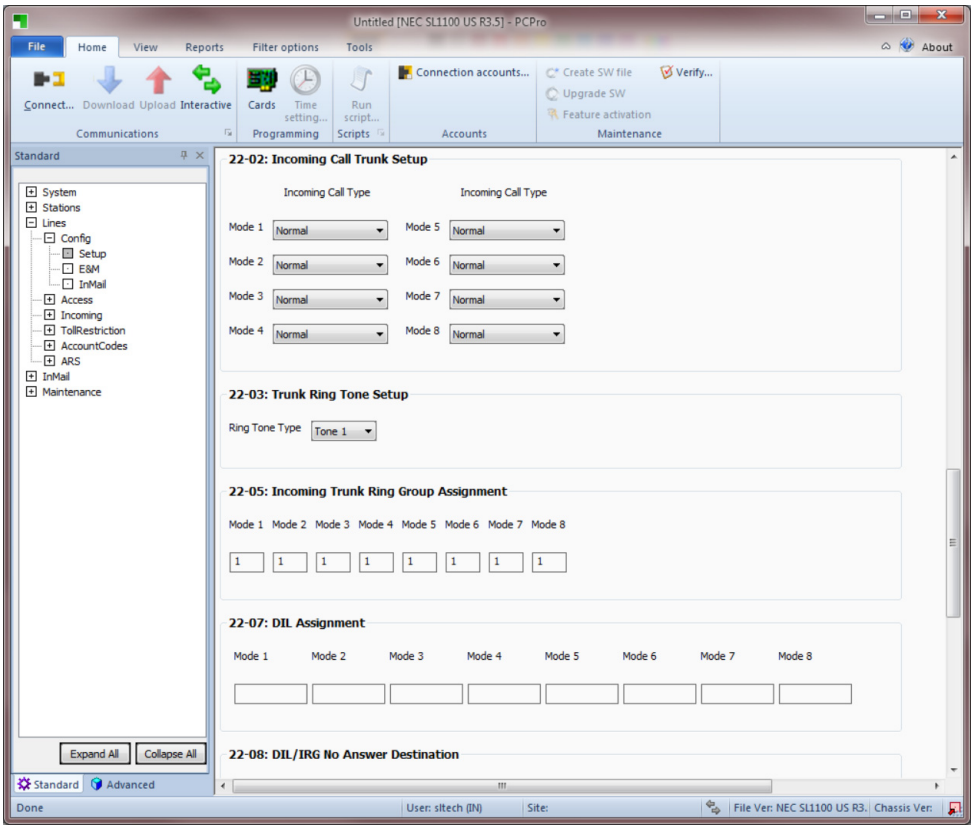


Figure 4-99 Lines - Configuration Setup (continued)

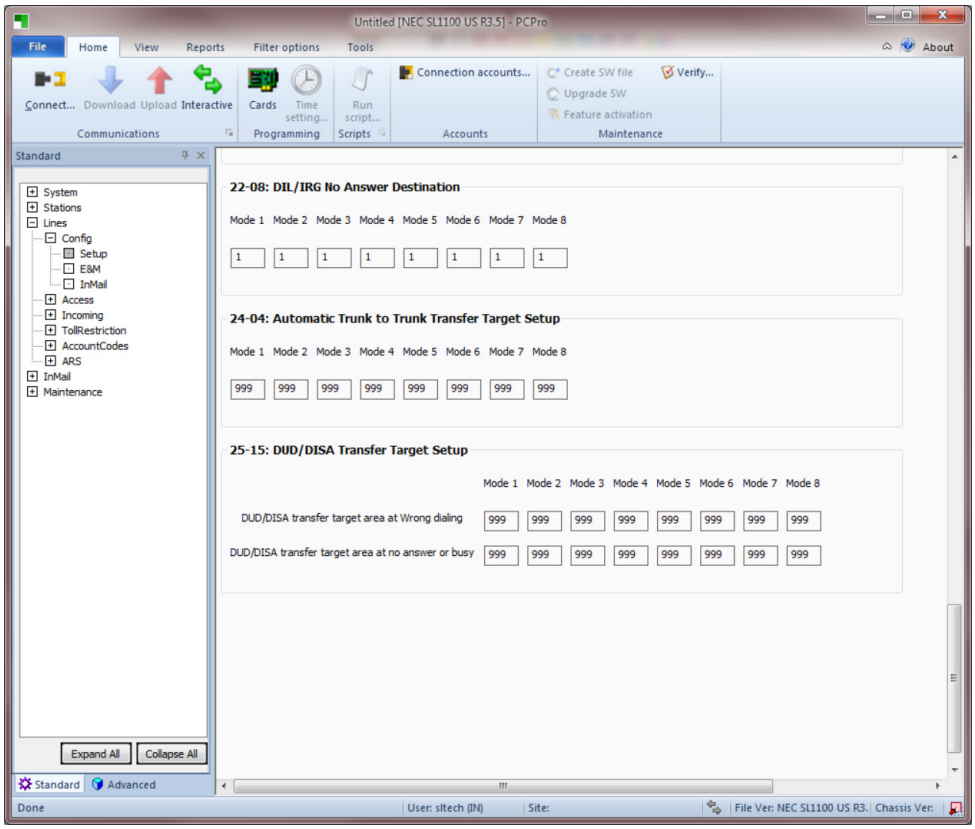


Figure 4-100 Lines - Configuration Setup (continued)

Define the Night Mode Group Assignment for Trunks, Trunk Basic Setup, Trunk Groups, Music on Hold Source for Trunks, Trunk Group Routing for Trunks, ISDN Calling Party Number for Trunks, Toll Restriction Class of Trunks, Incoming Call Trunk Setup, Trunk Ring Tone Setup, Incoming Trunk Ring Group Assignment, DIL Assignment, DIL/IRG No Answer Destination, Automatic Trunk to Truck Transfer Target Setup, and DUD/DISA Transfer Target.

E&M

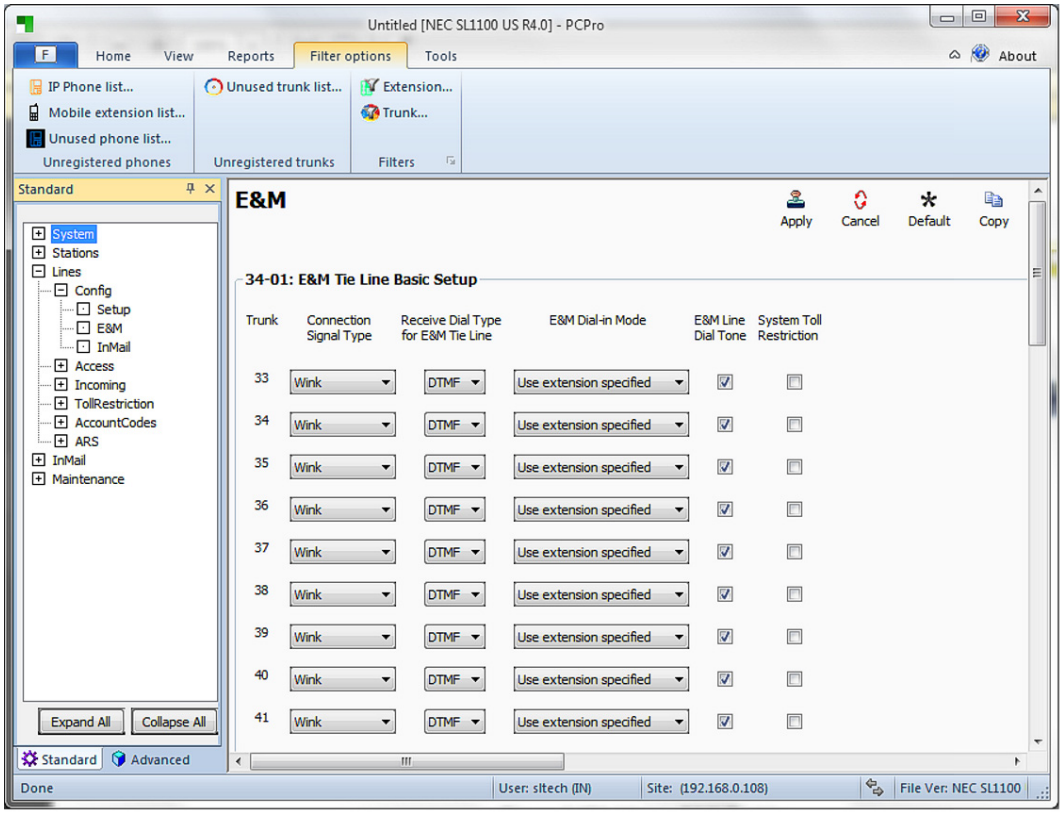


Figure 4-101 Lines - E&M Tie Line

Define the basic settings for each E&M Tie Line.

InMail

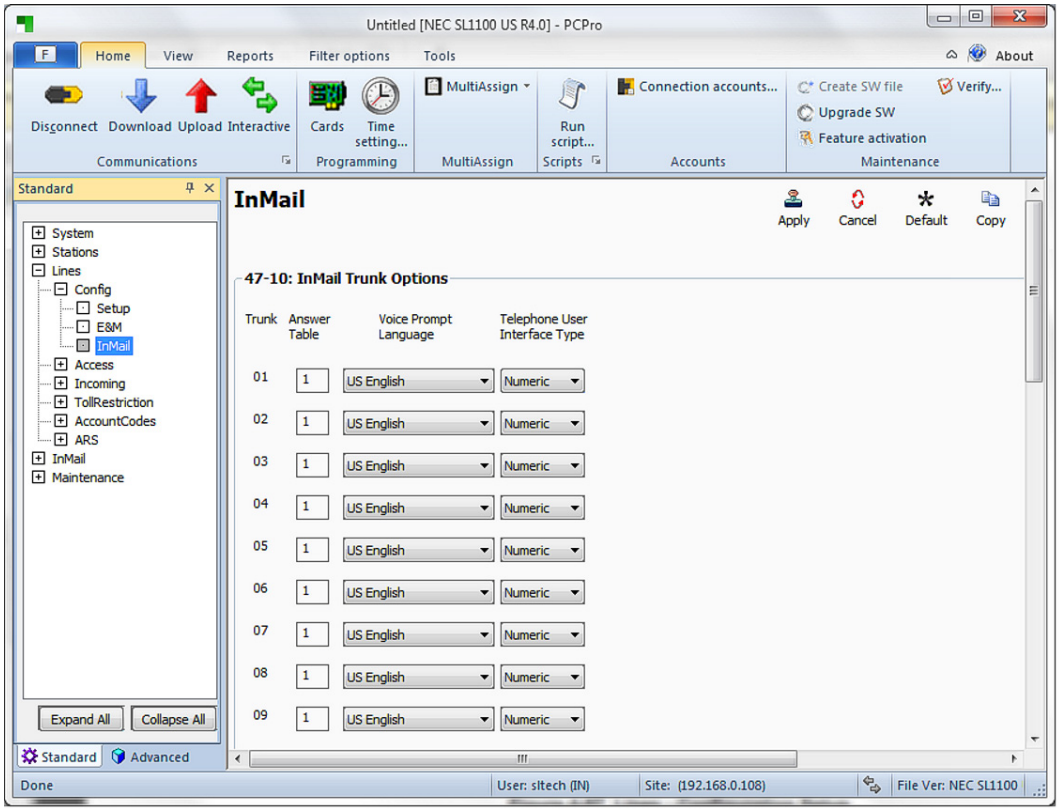


Figure 4-102 Lines - InMail

Define the InMail options for each trunk.

5.2 Access

Groups

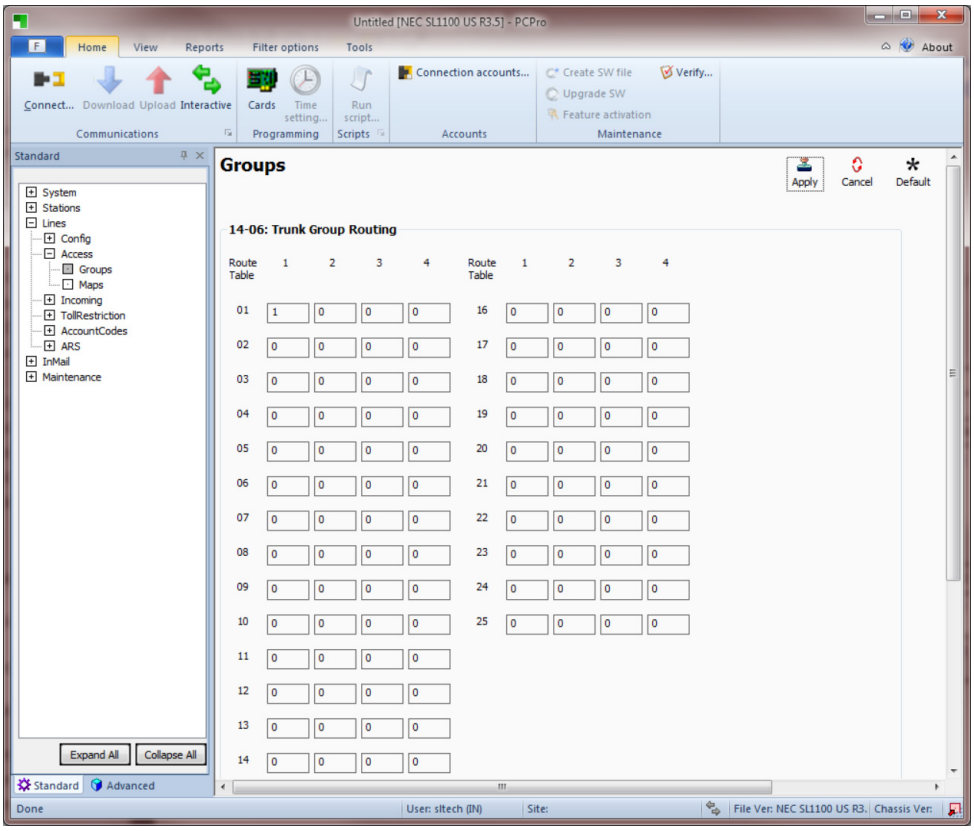


Figure 4-103 Access - Groups

Define an trunk group order for each routing table.

Maps

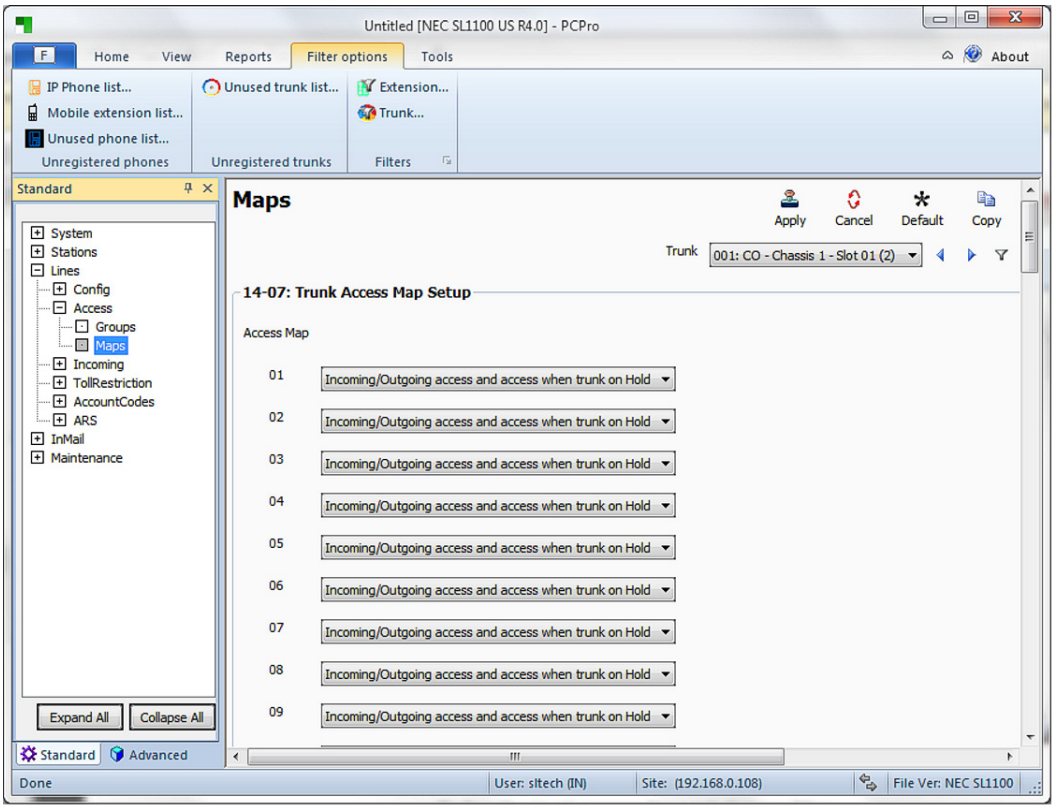


Figure 4-104 Access - Maps

Define the trunk access for each Access Map.

5.3 Incoming

Setup-Private Call

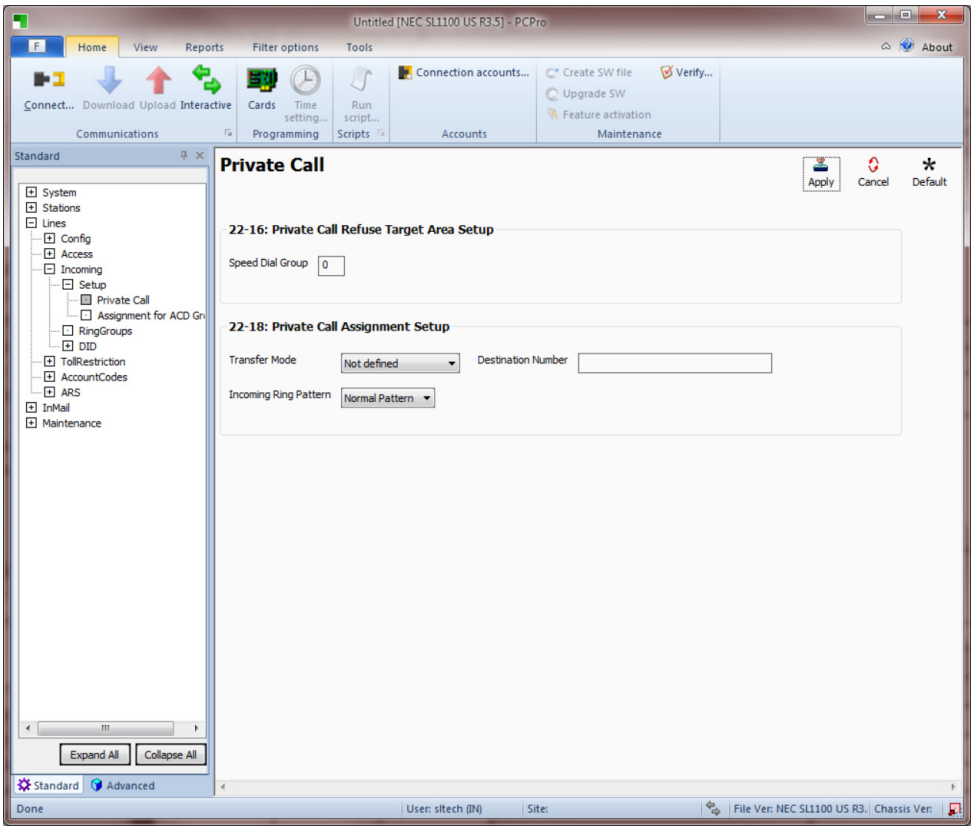


Figure 4-105 Setup - Private Call

Define Speed Dial group number for Private Call Refuse and the assignment and incoming ring pattern for Private Calls.

Setup-Assignment for ACD Group

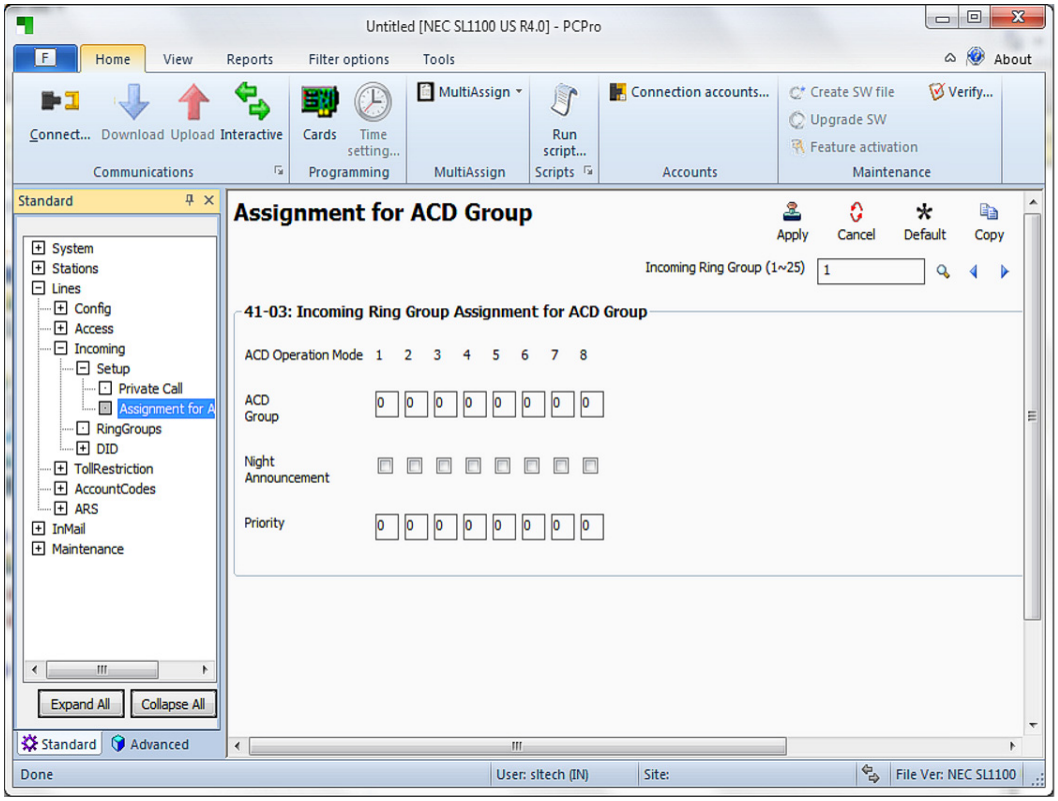


Figure 4-106 Setup - Assignment for ACD Group

Define the Incoming Ring Group Assignment for ACD Groups.

Ring Groups

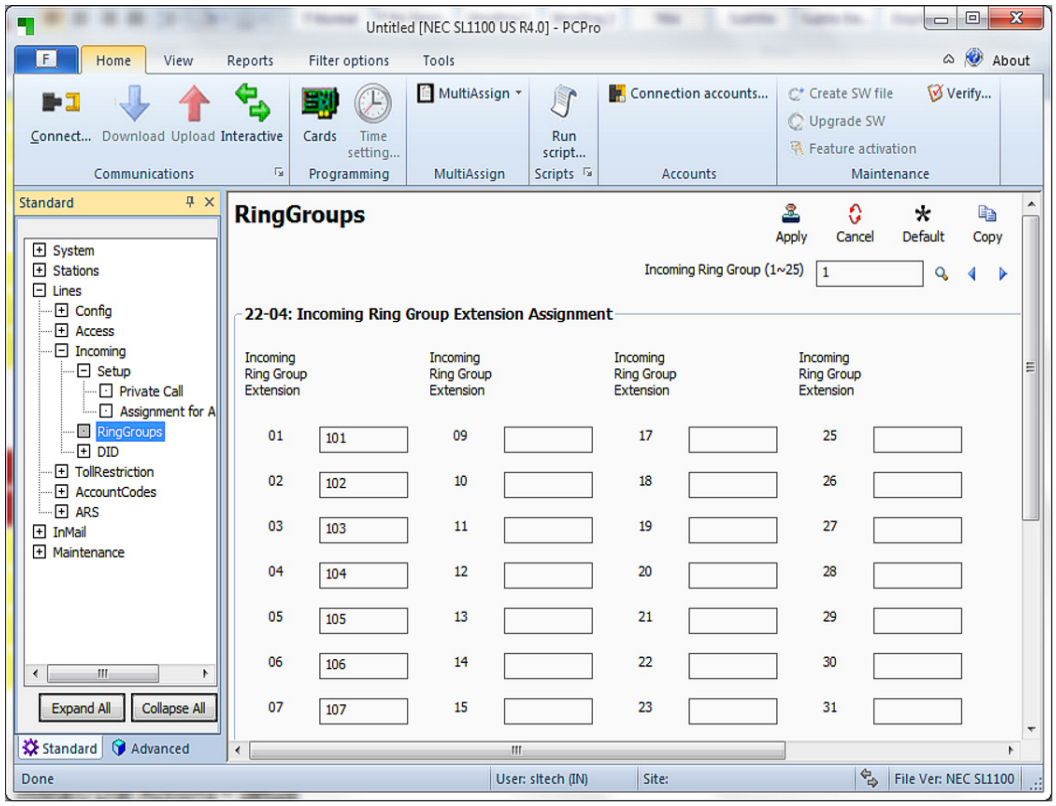


Figure 4-107 Ring Groups

Assign Extensions to Incoming Ring Groups.

DID-Trunk Groups

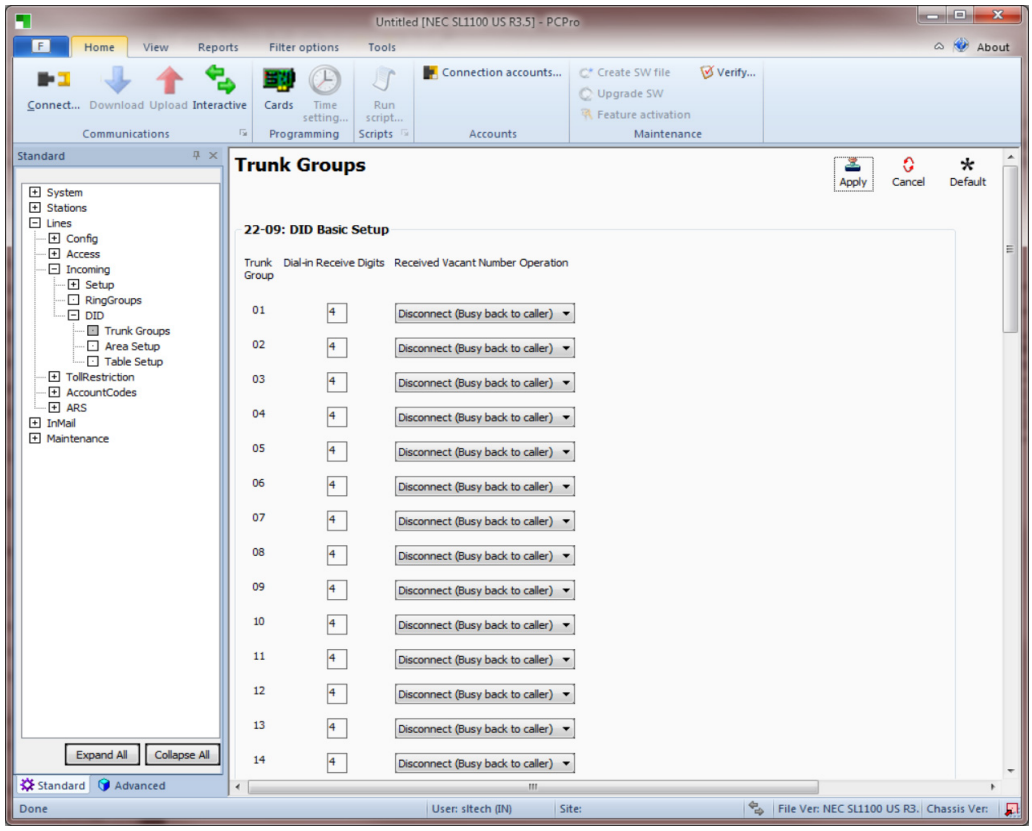


Figure 4-108 DID - Trunk Groups

Define the basic settings of Dial-In incoming calls for each trunk group.

DID-Area Setup

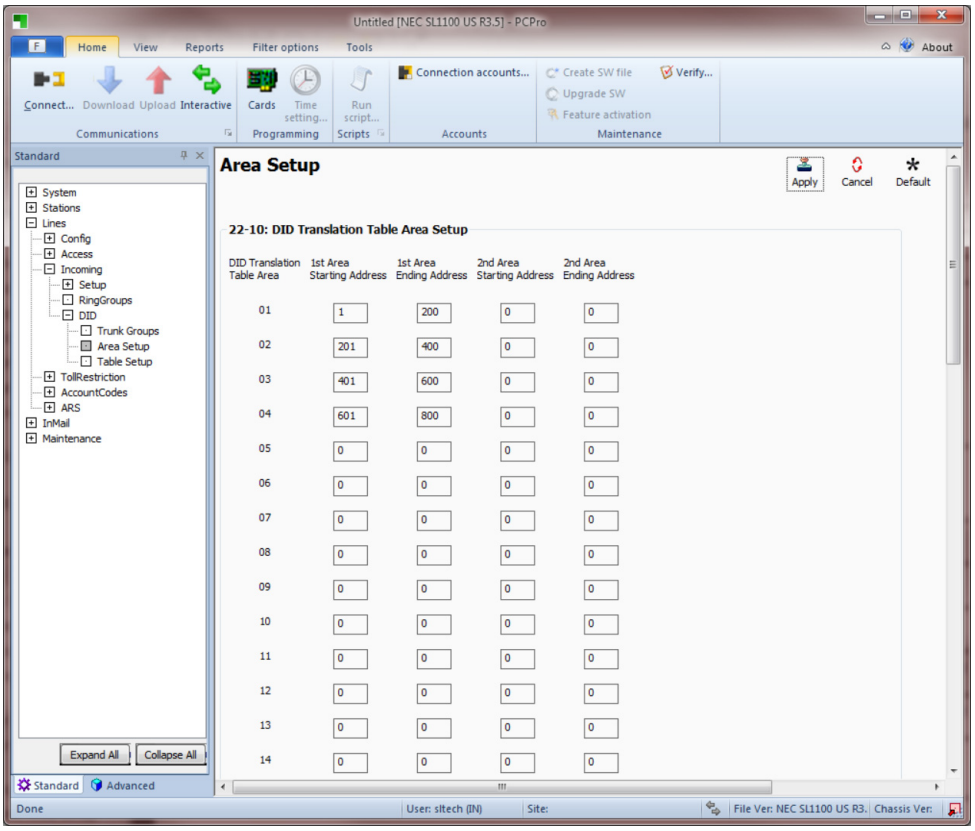


Figure 4-109 DID - Area Setup

Define the size of the DID Translation Tables. There are 2000 Translation Table Entries that can be allocated among 20 Translation Tables.

DID-Table Setup

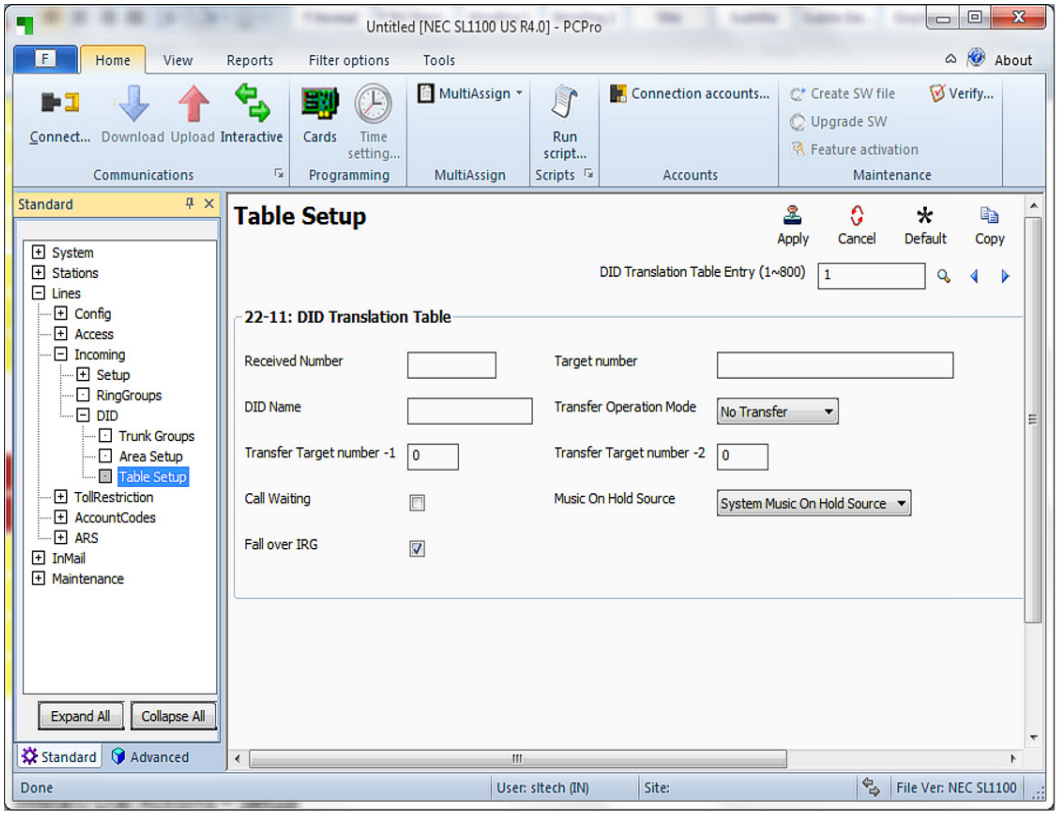


Figure 4-110 DID Table Setup

Define the properties of each DID Translation Table entry.

5.4 Toll Restriction

Setup

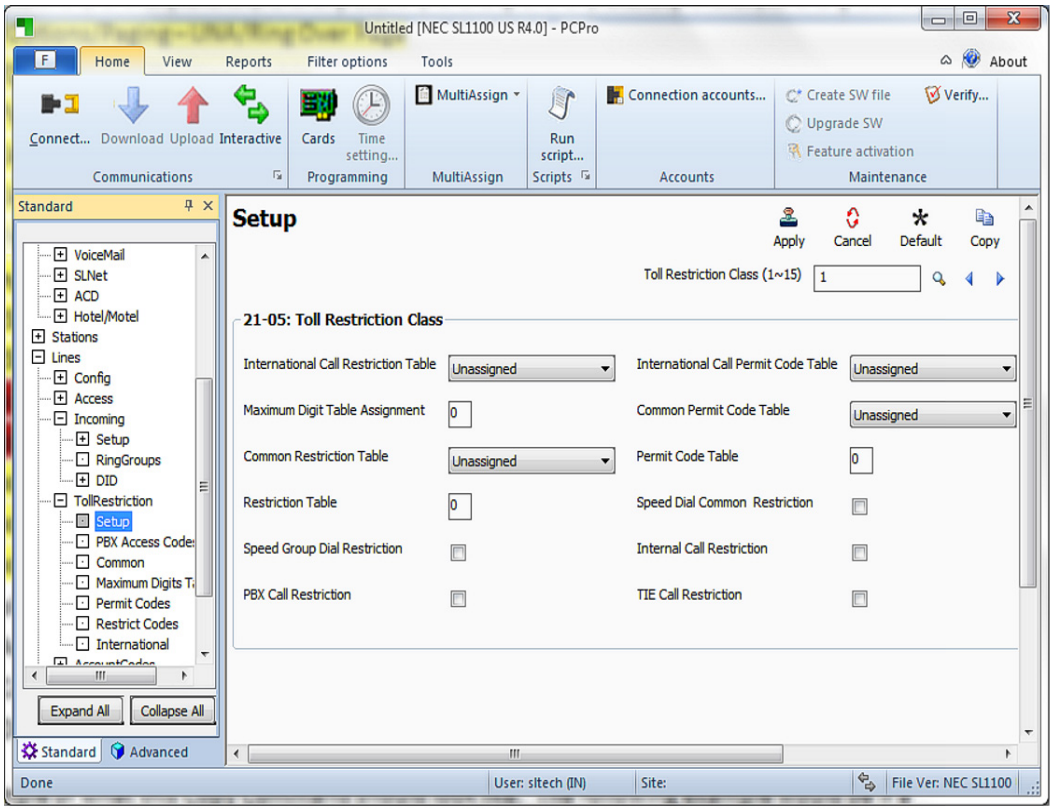


Figure 4-111 Toll Restriction

Set the system Toll Restriction classes.

PBX Access Codes

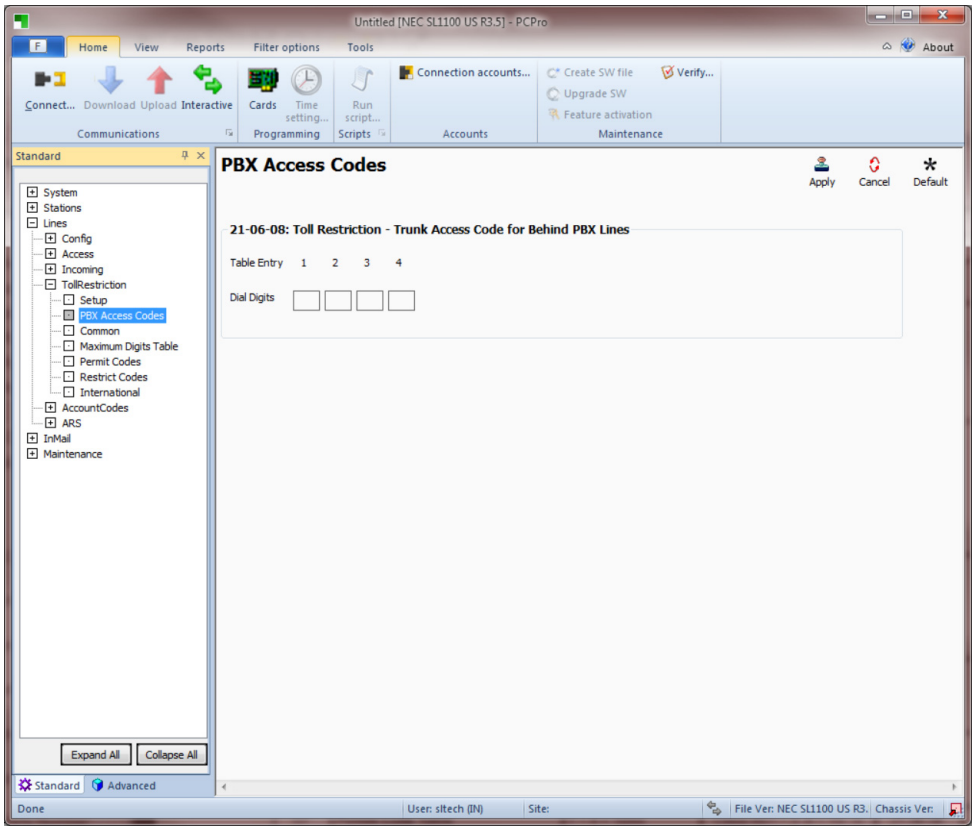


Figure 4-112 PBX Access Codes

Define the Trunk Access Code for Behind PBX Lines.

Common

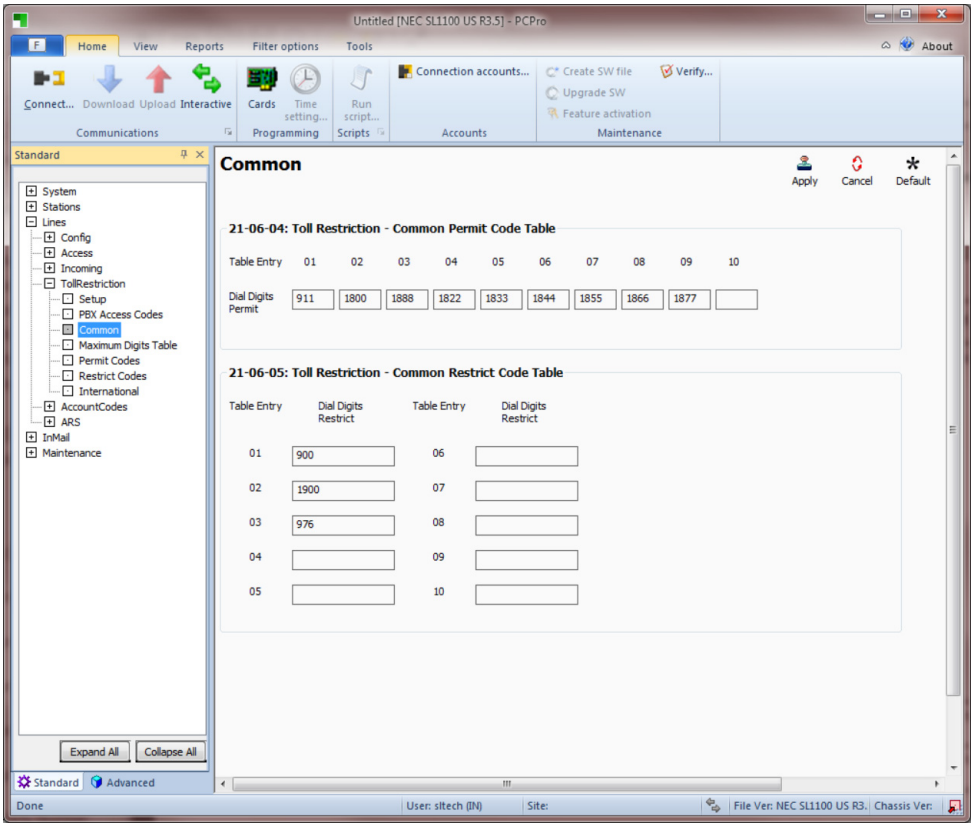


Figure 4-113 Common Codes

Define the Common Permit Codes and Common Restrict Codes.

Maximum Digits Table

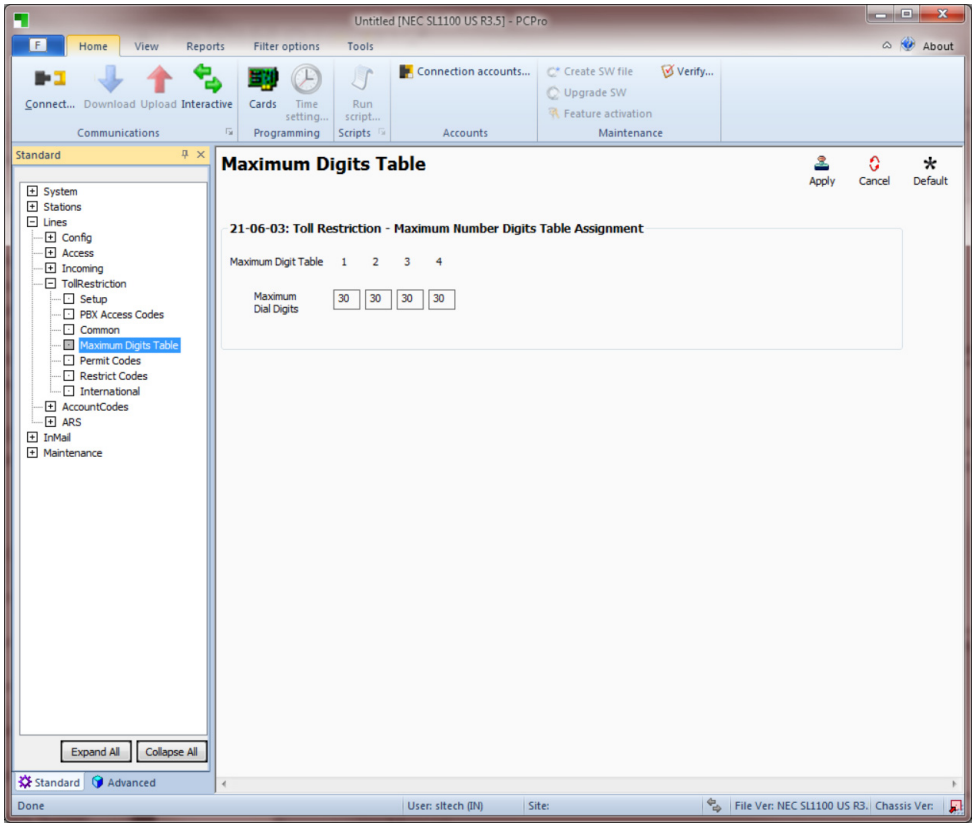


Figure 4-114 Maximum Digits Table

Define the maximum number of digits allowed in outgoing calls for each table.

Permit Codes

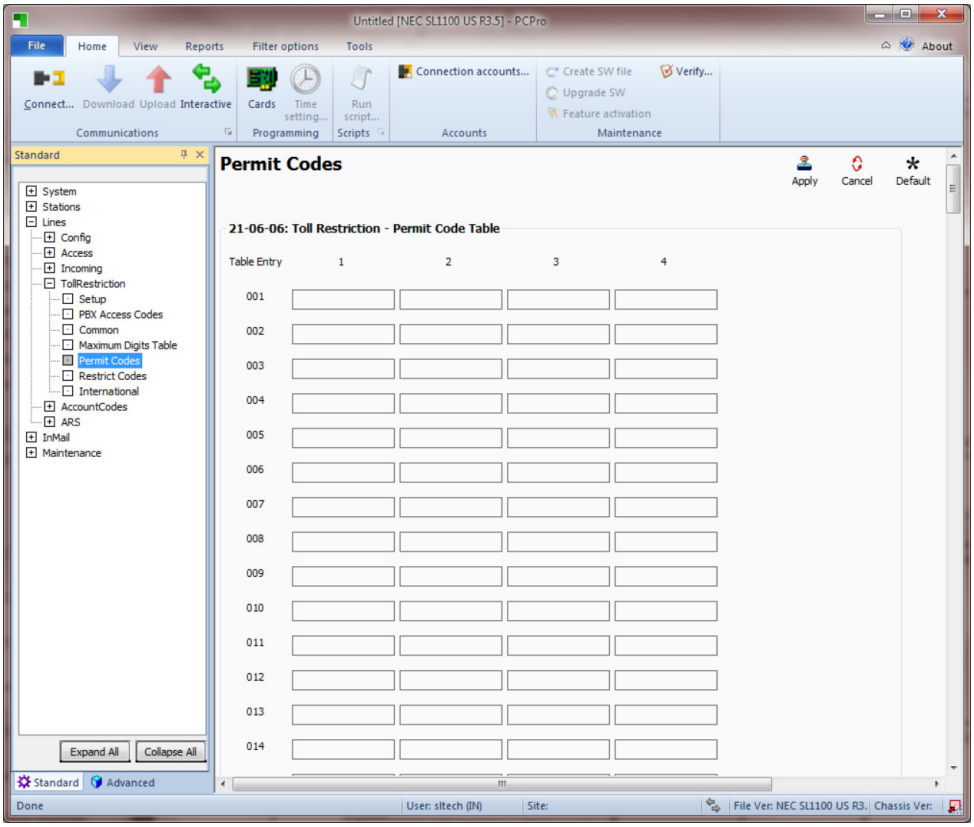


Figure 4-115 Permit Codes

Define the Permit Code Tables.

Restrict Codes

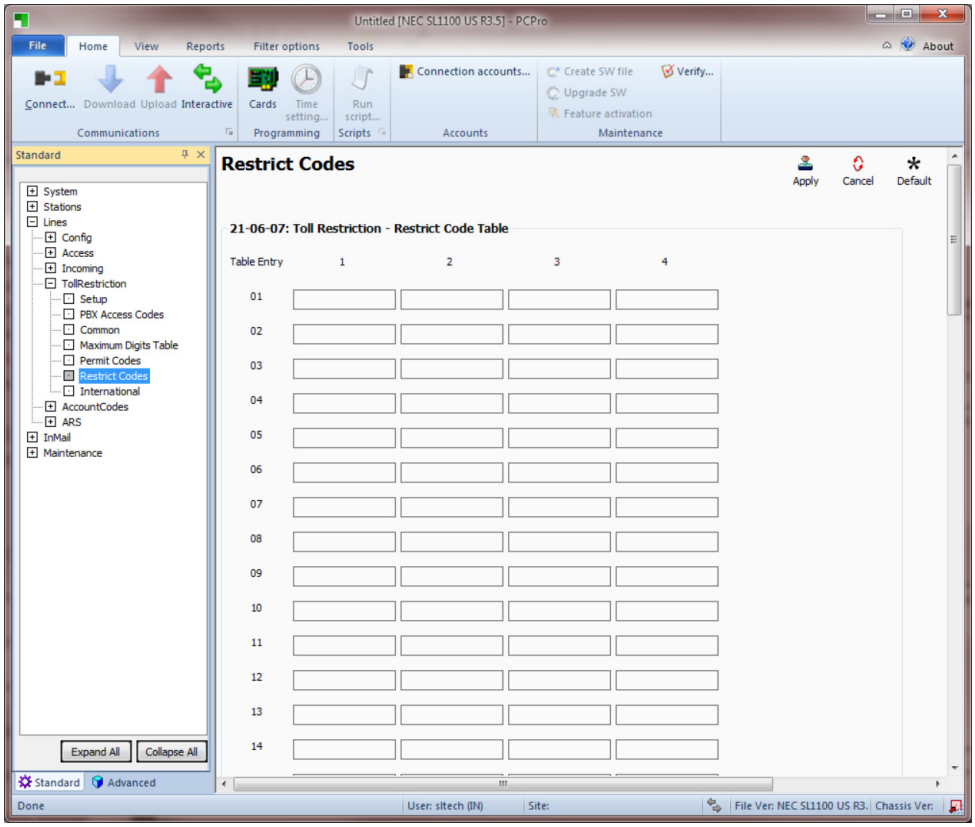


Figure 4-116 Restrict Codes

Define the Restrict Code Tables.

International

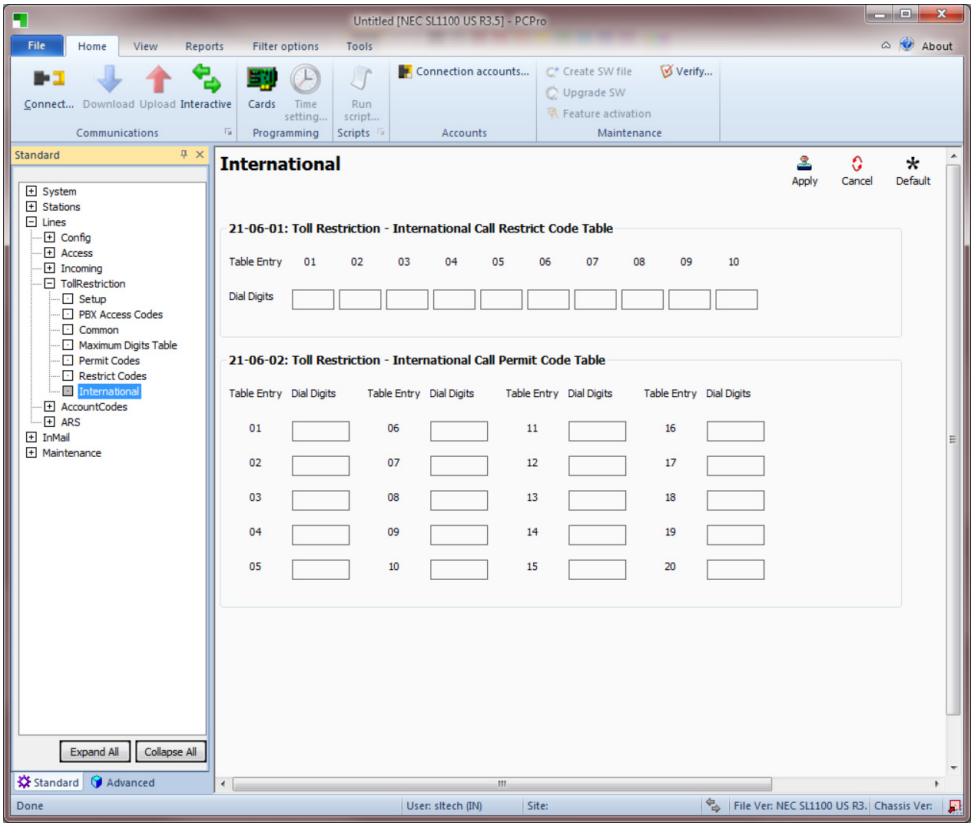


Figure 4-117 Restrict - International Calls

Define the Restrict and Permit tables for International calls.

5.5 Account Codes

Setup

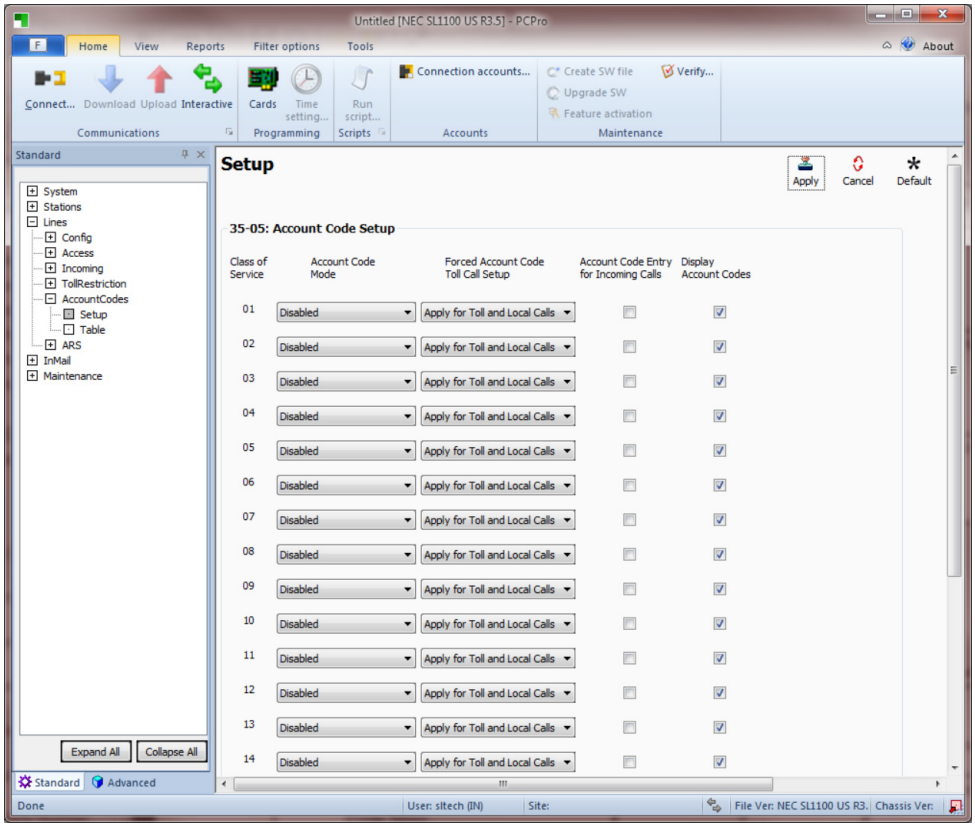


Figure 4-118 Account Code - Setup

Define Account Code Options for each Class of Service.

Table

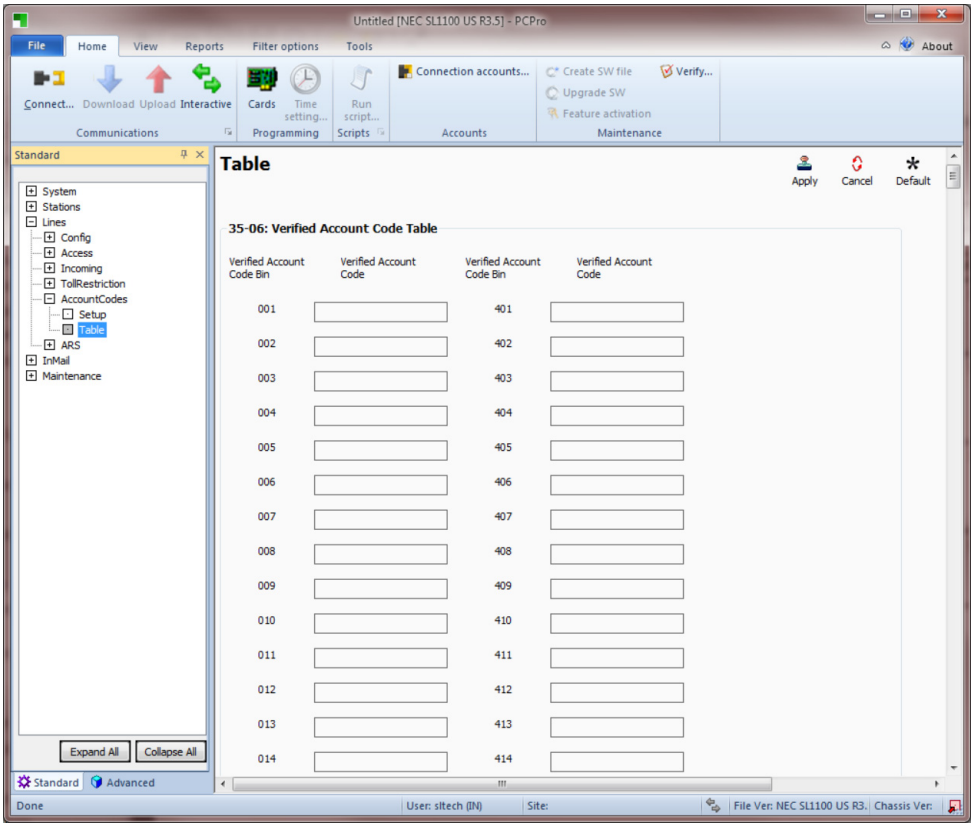


Figure 4-119 Verified Account Code Table

Define Verified Account Codes.

5.6 ARS

Analysis

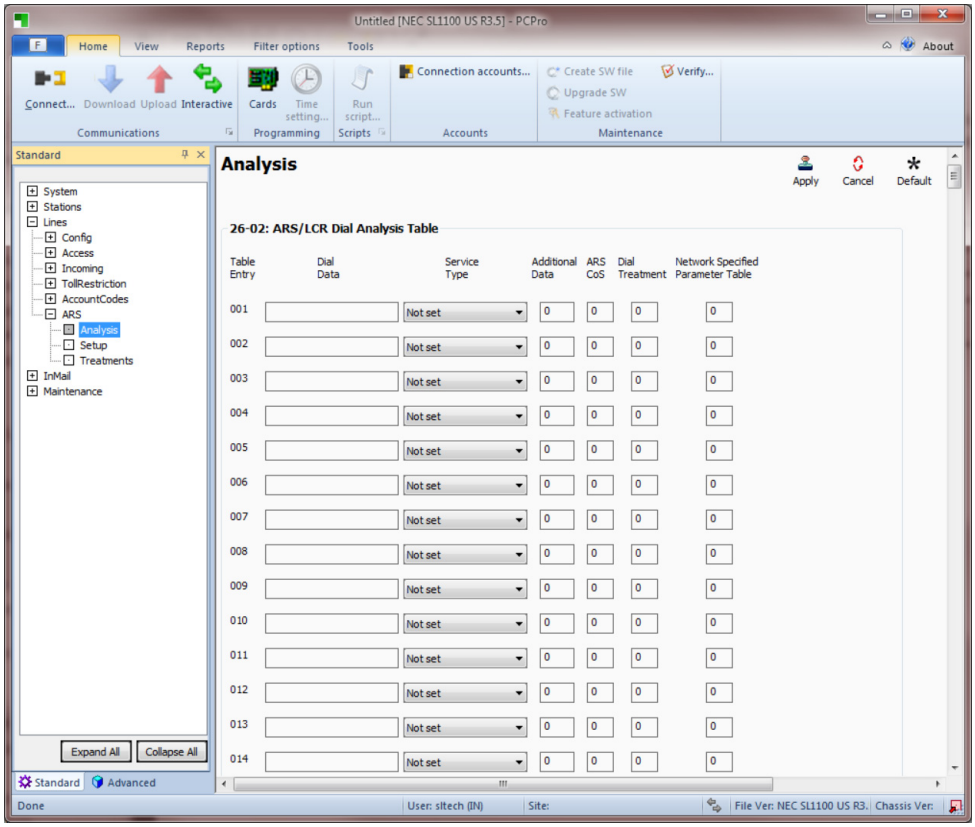


Figure 4-120 ARS Analysis

Define pre-transaction tables for selecting Automatic Route Selection (ARS/F-Route).

Setup

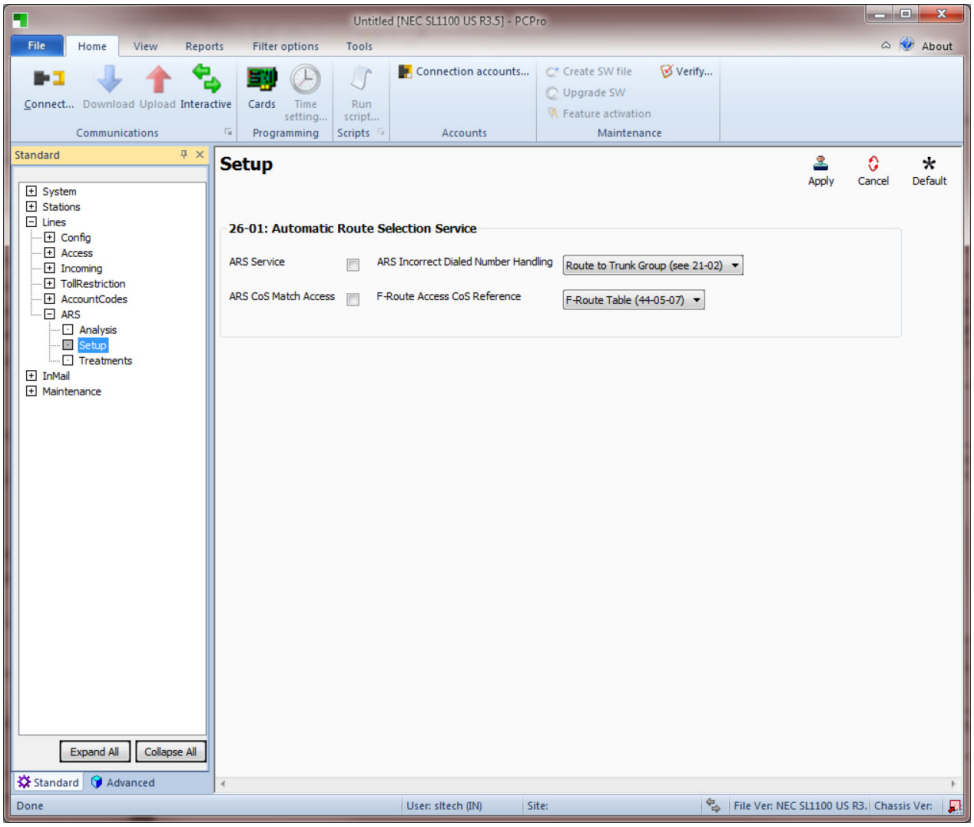


Figure 4-121 ARS - Setup

Define the system options for Automatic Route Selection (ARS/F-Route)

Treatments

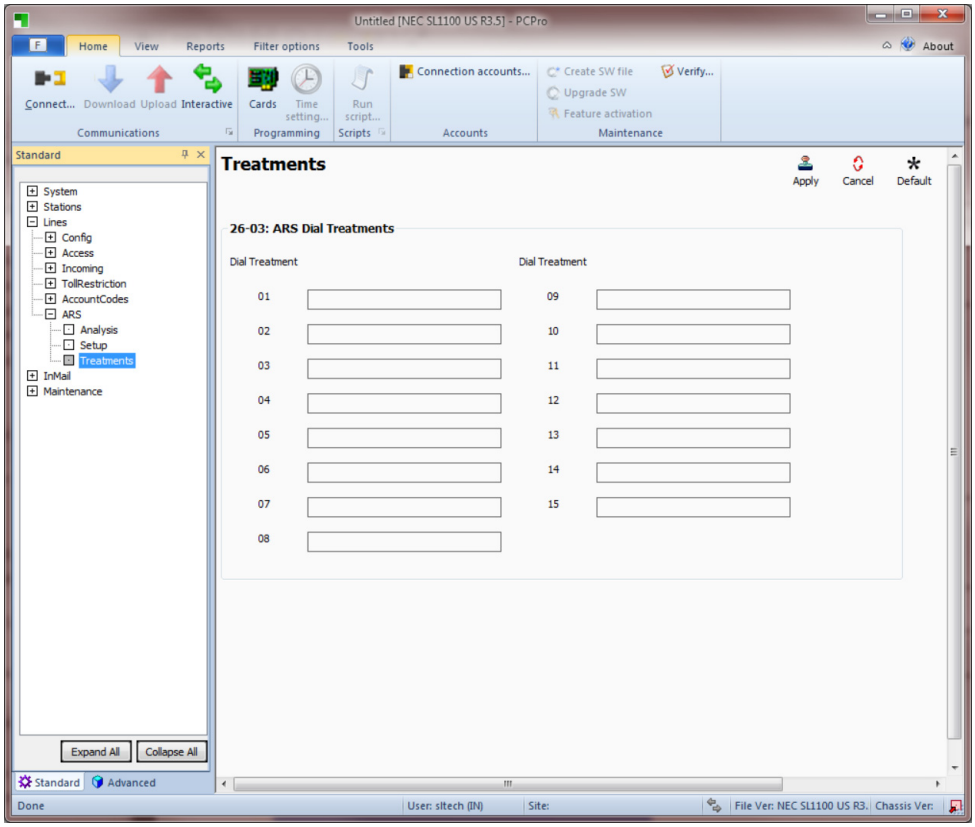


Figure 4-122 Dial Treatments - ARS

Define the 15 Dial Treatments for automatic ARS dialing translation.

SECTION 6 INMAIL

6.1 Config

Setup

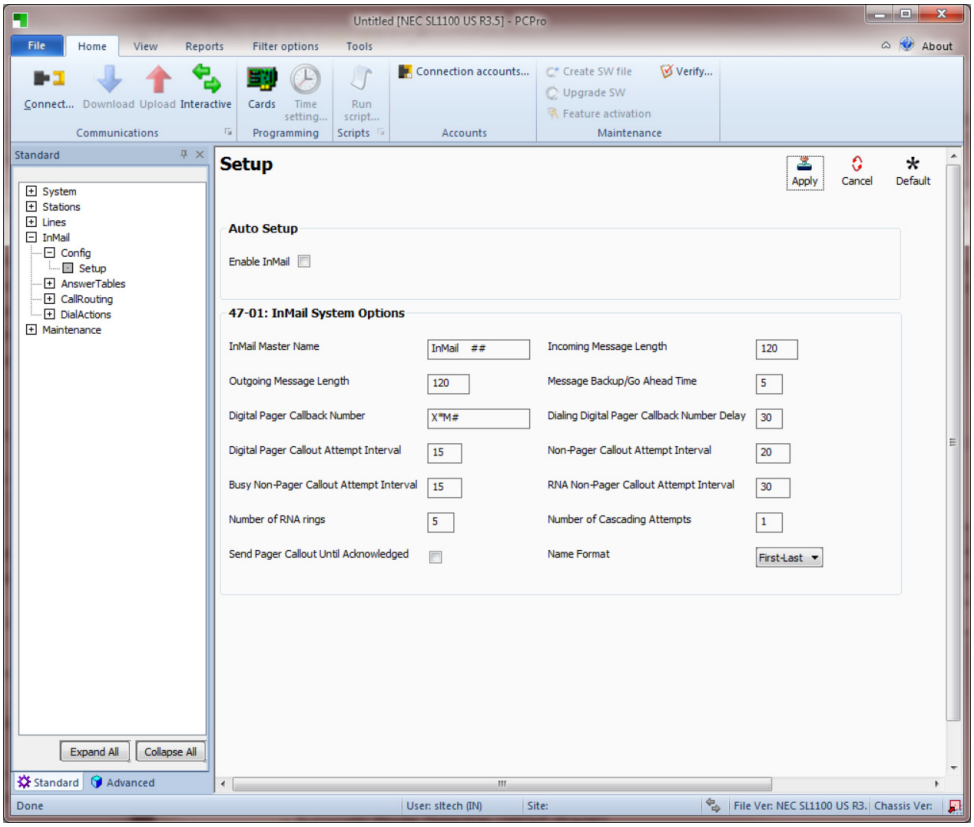


Figure 4-123 InMail Setup - Config

Define the InMail system-wide options.

6.2 Answer Table

Setup

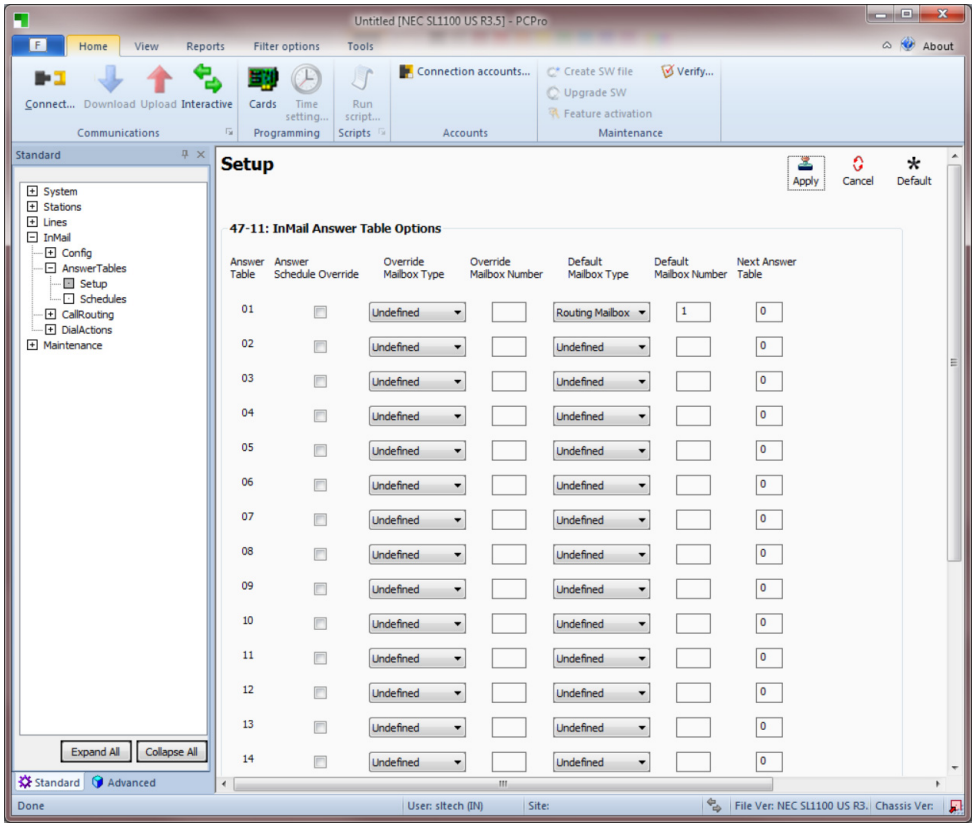


Figure 4-124 InMail Answer Table Setup

Define the options for the Answer Tables. InMail provides eight Answer Tables (1 ~ 8). To set up the schedules for each Answer Table, go to 47-12 : InMail Answer Table Schedule.

Schedules

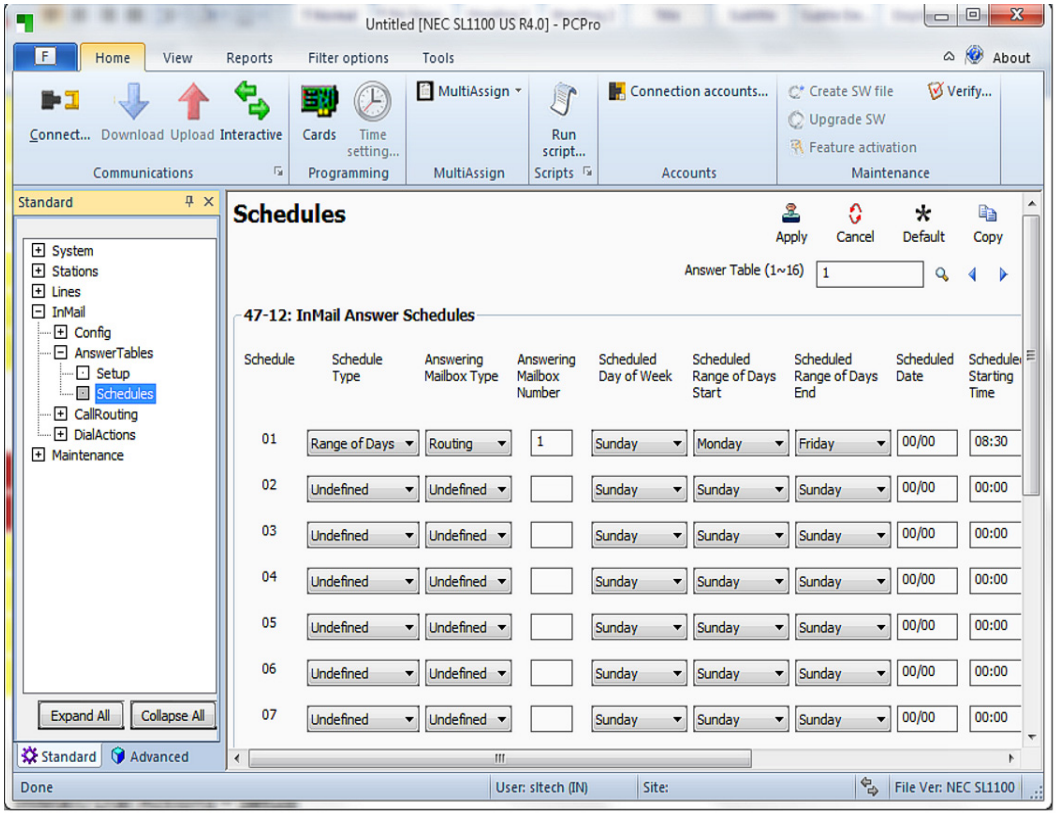


Figure 4-125 Schedules

Define the InMail Automated Attendant Answer Schedules. There are eight Answer Tables, with up to 10 Answer Schedules in each Answer Table.

6.3 Call Routing

Setup

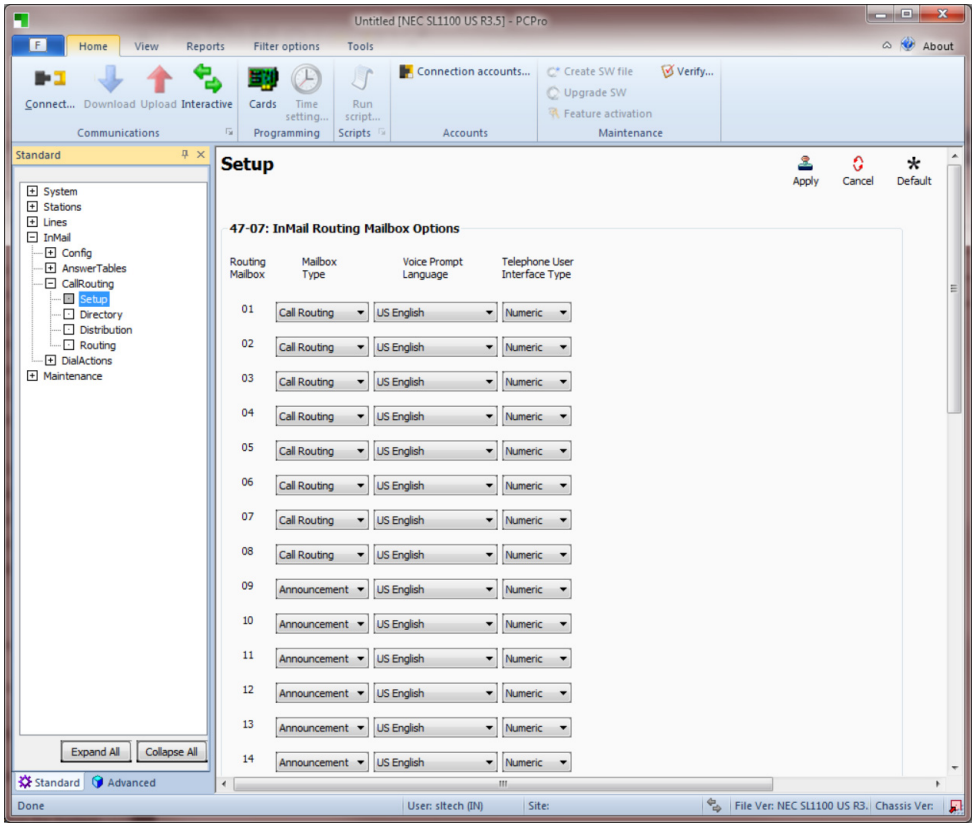


Figure 4-126 Call Routing Setup

Define the 32 Routing Mailboxes. Routing Mailboxes can be either Announcement or Call Routing Mailboxes.

Directory

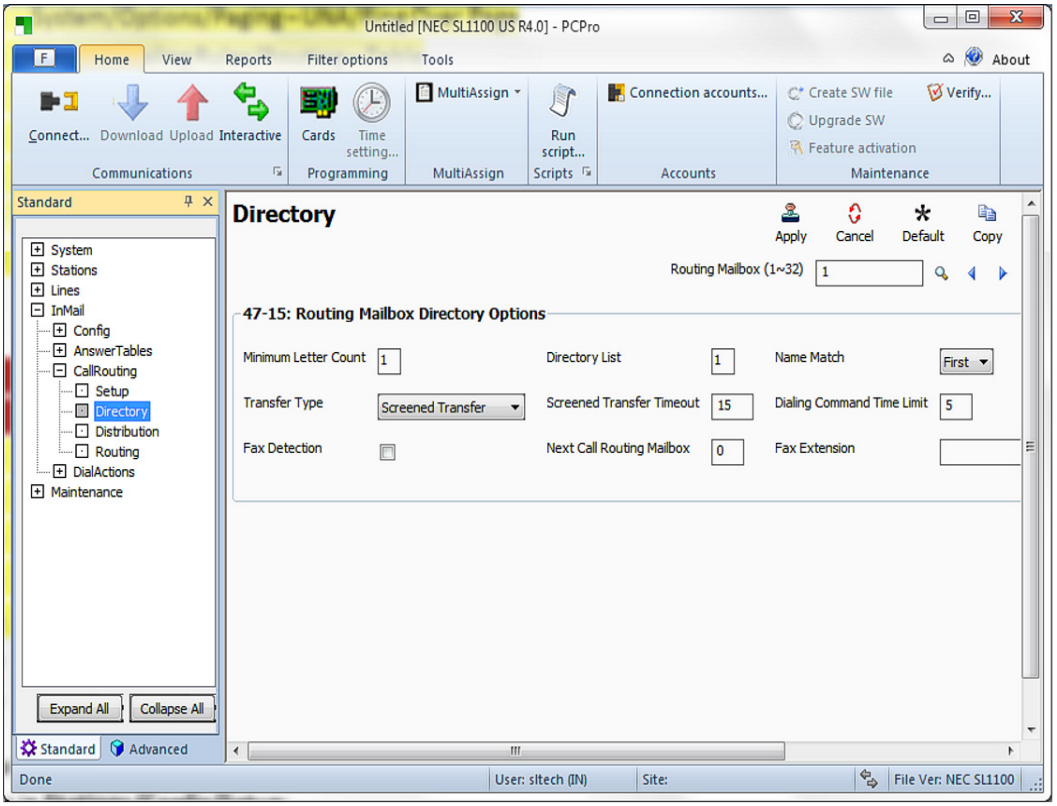


Figure 4-127 Directory

Define the Routing Directory Mailbox Options. This data is referred if Program 47-07-02 (Routing Master Mailbox Type) was set to Type 4 (Directory).

Distribution

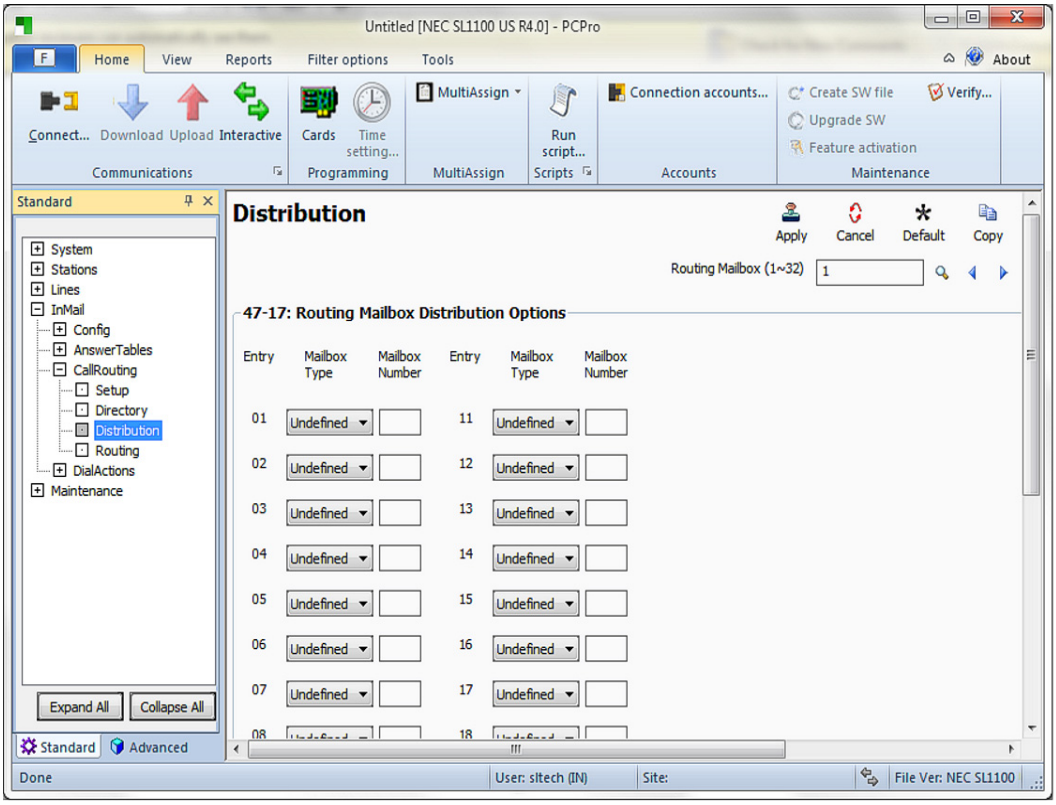


Figure 4-128 Routing Mailbox Distribution Options

Define the Routing Mailbox Distribution Options.

Routing

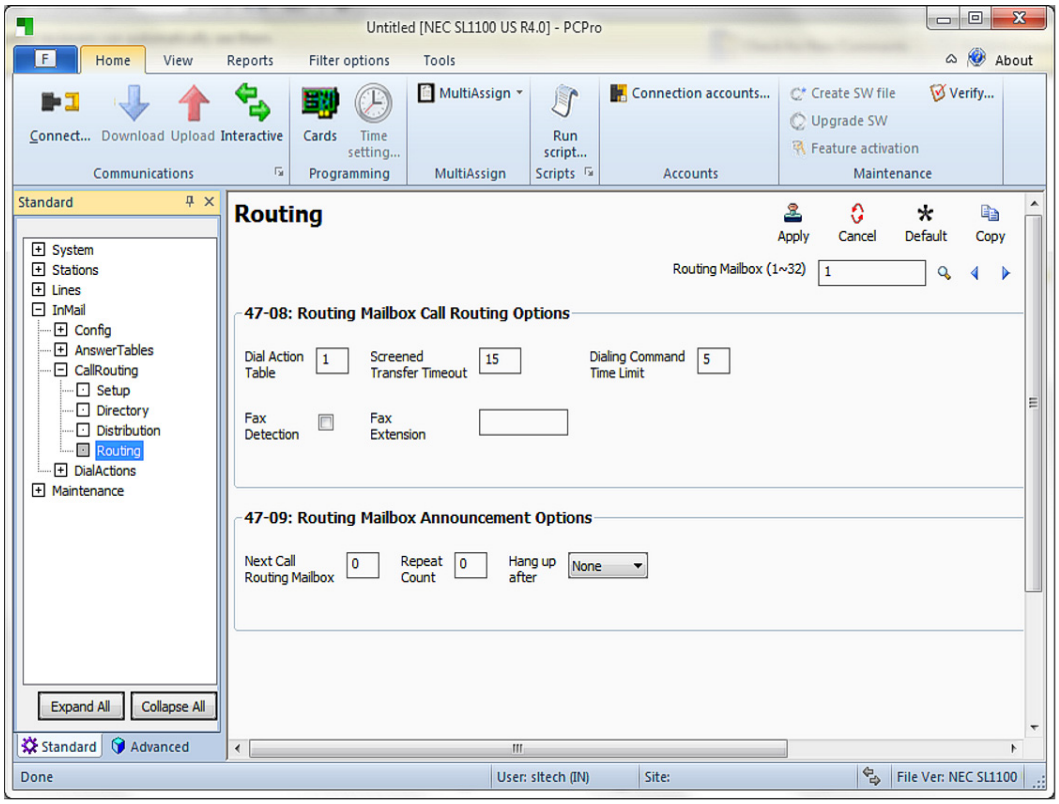


Figure 4-129 Routing

Define the options for Mailboxes assigned as Routing and Announcement boxes.

6.4 Dial Actions

Setup

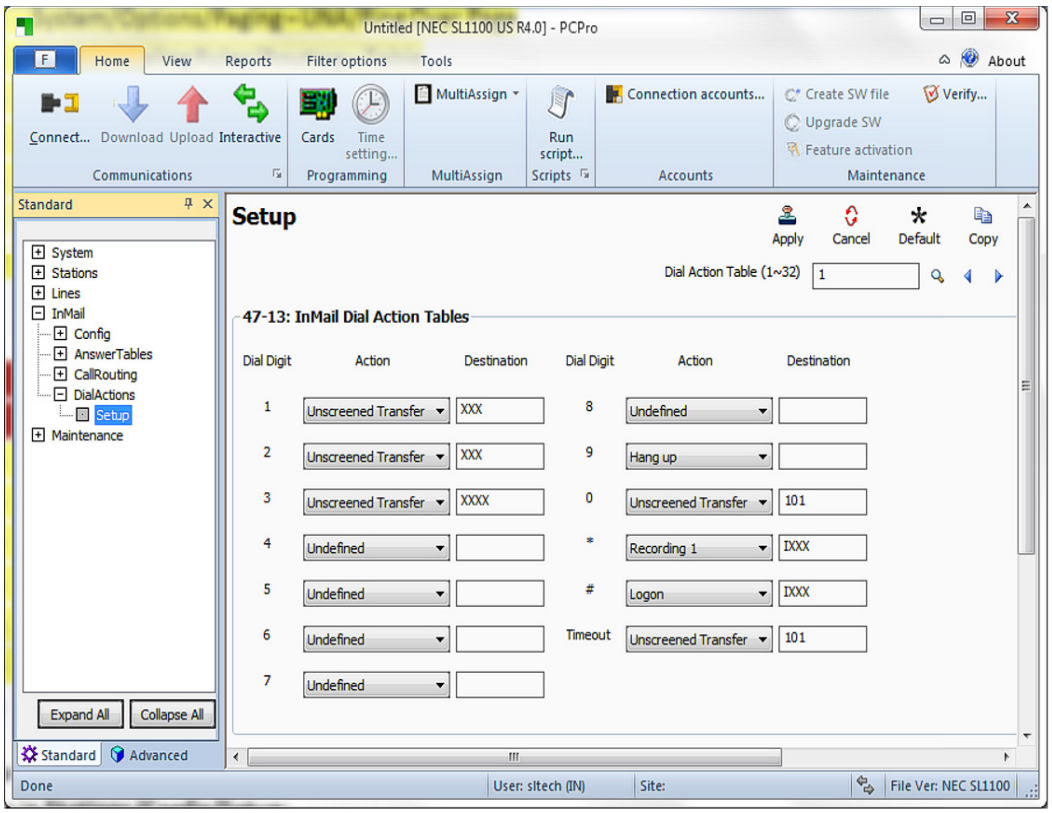


Figure 4-130 InMail Dial Actions Setup

Define the InMail Dial Action Tables. The Dial Action Table defines the options than an Automated Attendant caller can dial. A Dial Action Table is associated with a Call Routing Mailbox, which is in turn associated with an Answer Table. When an Answer Table is active, its associated Call Routing Mailbox selects the Dial Action Table which provides dialing options to callers.

SECTION 7 MAINTENANCE

7.1 Alarms

Options

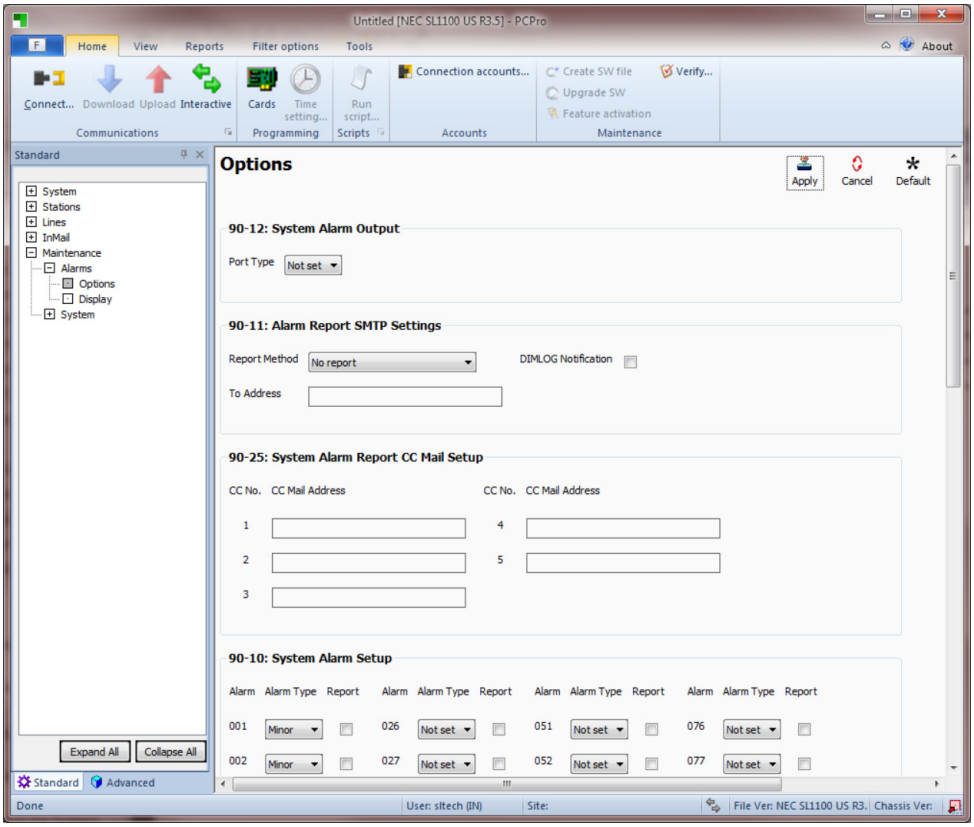


Figure 4-131 Alarms - Options

Define the System Alarm Output Port, Alarm Report SMTP Settings, Alarm Report CC Mail Setup, and System Alarm Setup.

Display

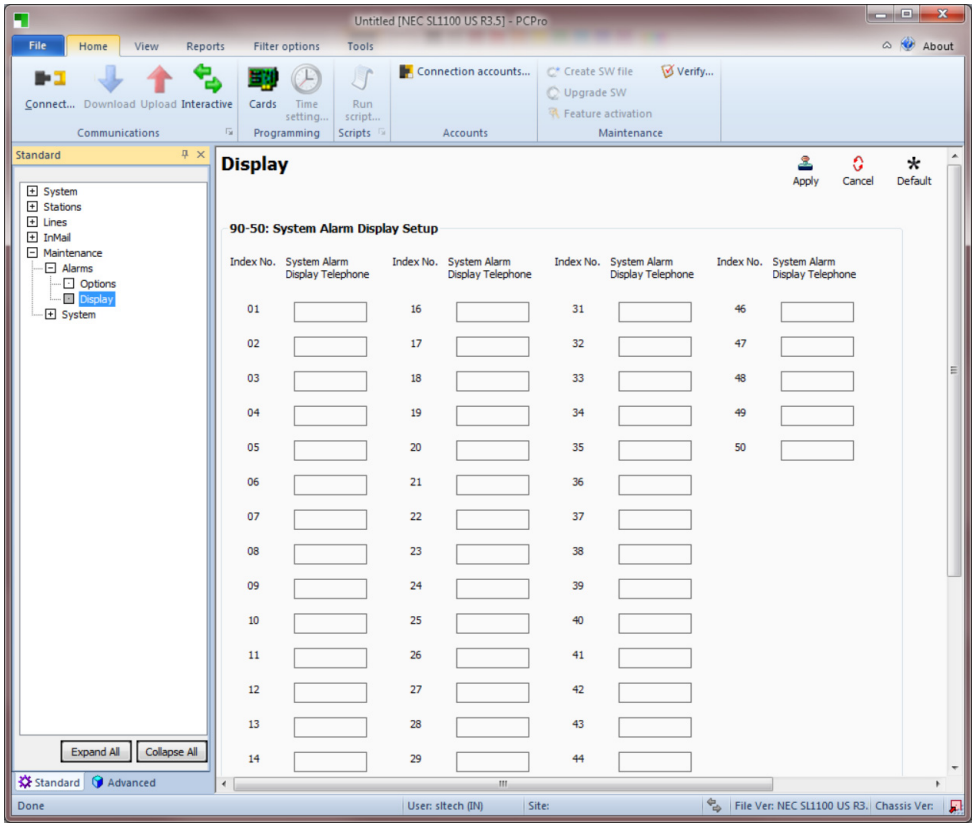


Figure 4-132 Display

Define the Display Telephone for each Alarm Index.

7.2 System

Licensing

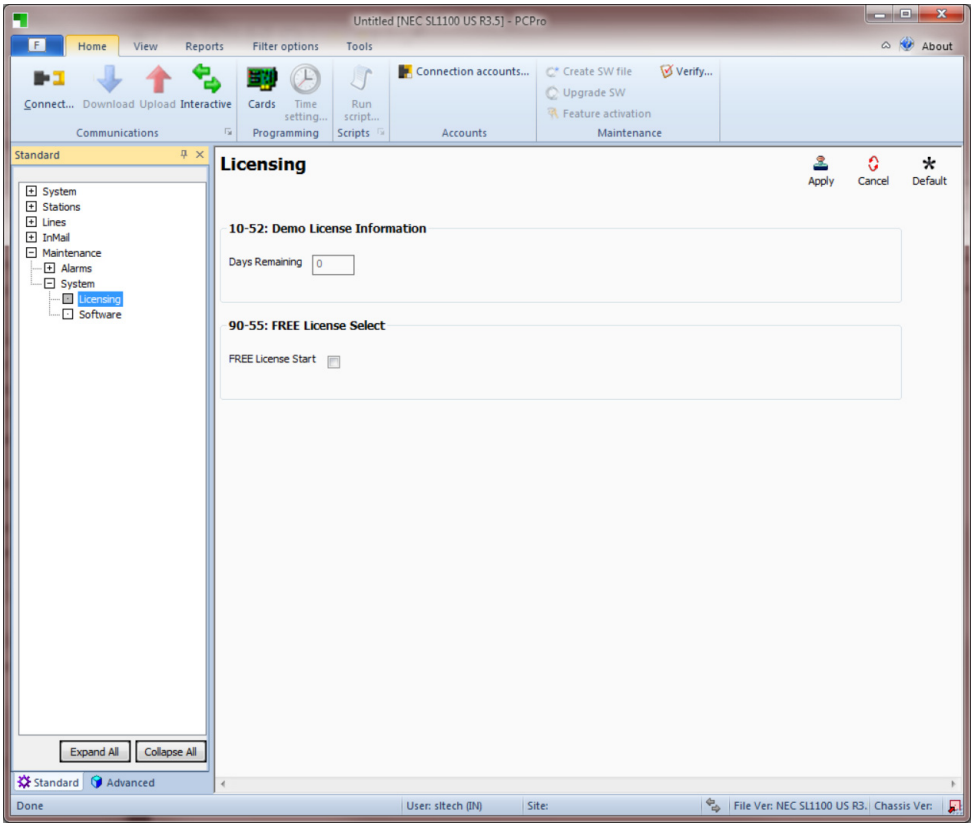


Figure 4-133 System Licensing

Enable the Free License and view how many days the Free License remains active.

Software

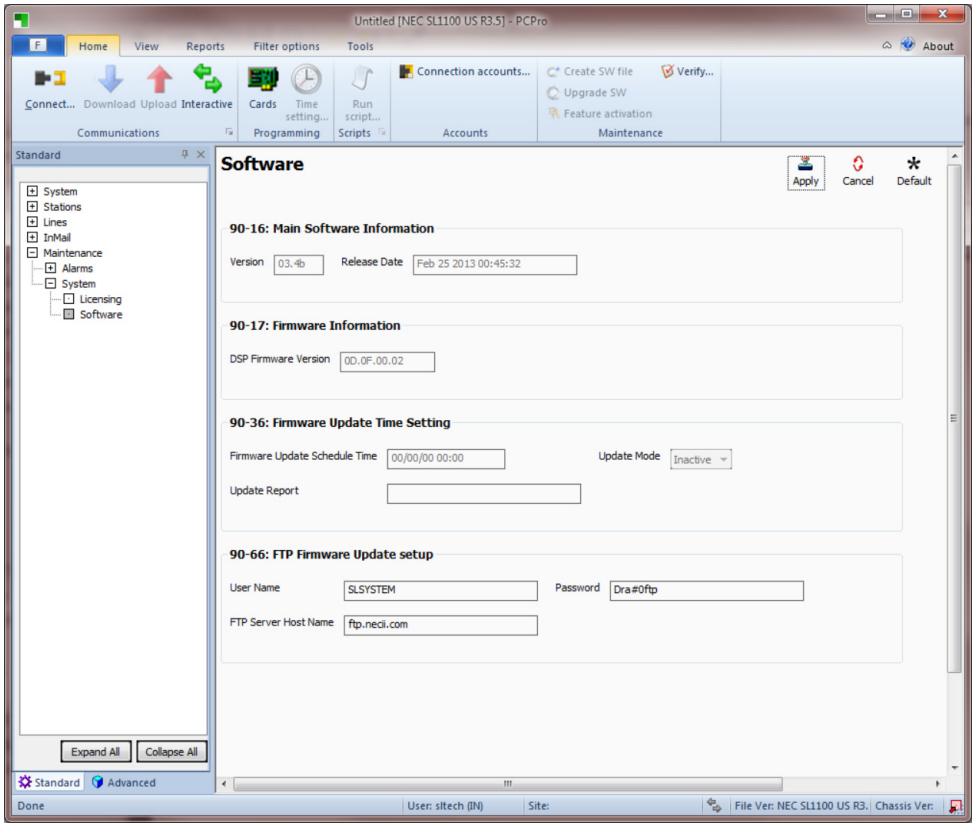


Figure 4-134 Software

View the Main Software Information, Firmware Information, Firmware Update Time Setting, and define the FTP Firmware Update information.

-- NOTES --

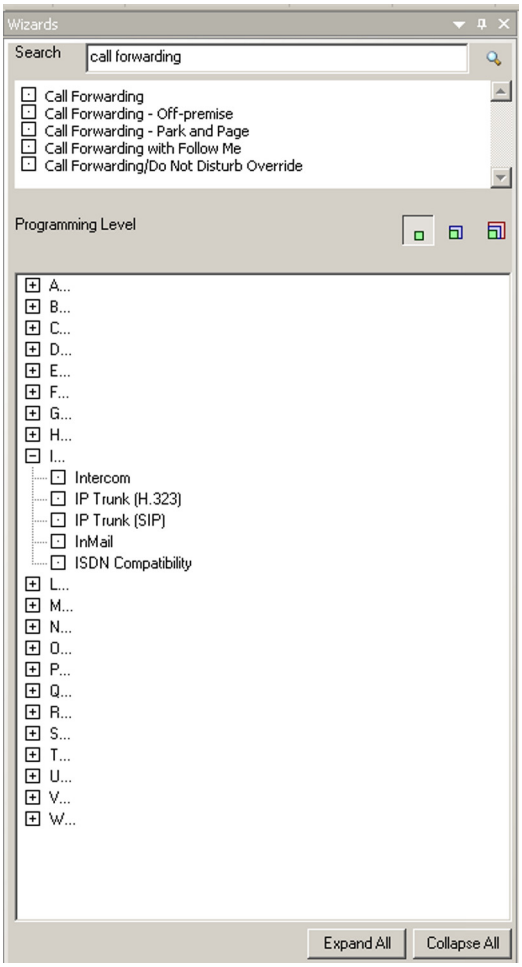
CHAPTER 5 *Wizards View*

SECTION 1 OVERVIEW

Wizards chronologically group System Data, guiding users in the successful setup of a feature. Wizards are identified by their name. This name indicates the feature to which the Wizard is related.

With PC Pro 3.50 and higher, the Wizard View is not displayed at default. To access the Wizard View, refer to Section 2 Accessing Wizard View.

Wizard System Data is grouped by screens. Complete each screen in a Wizard to complete a feature.



Auto Hide: Clicking this icon hides the Wizard submenu list and docks the tabs on the left side of the screen.

Close: Clicking this icon closes the Wizard submenu list and tabs.

Figure 5-1 Wizard Submenu

SECTION 2 ACCESSING WIZARD VIEW

To access Wizard View complete one of the following:

- ❑ Select the menu item **View > Wizards.**

  or…

- ❑ Press **F12**.

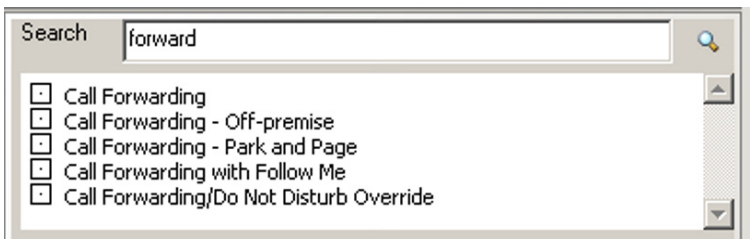
  or…

- ❑ If the Wizard submenu area is currently open, select the **Wizard** tab depicting the magic wand, located at the bottom on the submenu.

The Wizard View Menu appears in the submenu area. Wizards are ordered alphabetically. Refer to Figure 5-1 Wizard Submenu. You can use the **Expand All** to view all of the items under each letter of the alphabet or **Collapse All** to return to letters of the alphabetic listing. You can individually expand or collapse a letter of the alphabet by pressing ⊞ or ⊟ .

SECTION 3 SEARCHING FOR A FEATURE

You can use the search function of the Wizard to locate a specific feature or use a keyword to find a group of related features. The example below shows entering the exact feature name to locate the feature and entering a keyword to locate a group of similar features. Start the search by either pressing the magnifying glass icon or pressing **Enter**.



SECTION 4 PROGRAMMING LEVELS

There are three levels in which feature programming is grouped. You can apply program filters to system data programming:

- ❑ Level 1 – are the most commonly assigned programs for a feature.
- ❑ Level 2 – are the next most commonly assigned programs for a feature.
- ❑ Level 3 – are programs that are not often assigned for a particular feature and require an expert level working knowledge of the system to be properly assigned.

To show the level of programming for a feature:

1. Press the desired level to view the programs assigned at that level.
2. Select a feature.

SECTION 5 USING WIZARDS

When you select a feature from the Wizard list the associated screen is displayed, allowing you to program the feature. If there is more than one screen that is programmed for the feature, you can use the **Next** and **Back** navigational buttons to switch between screens or you can use the **View page in wizard** pulldown menu.

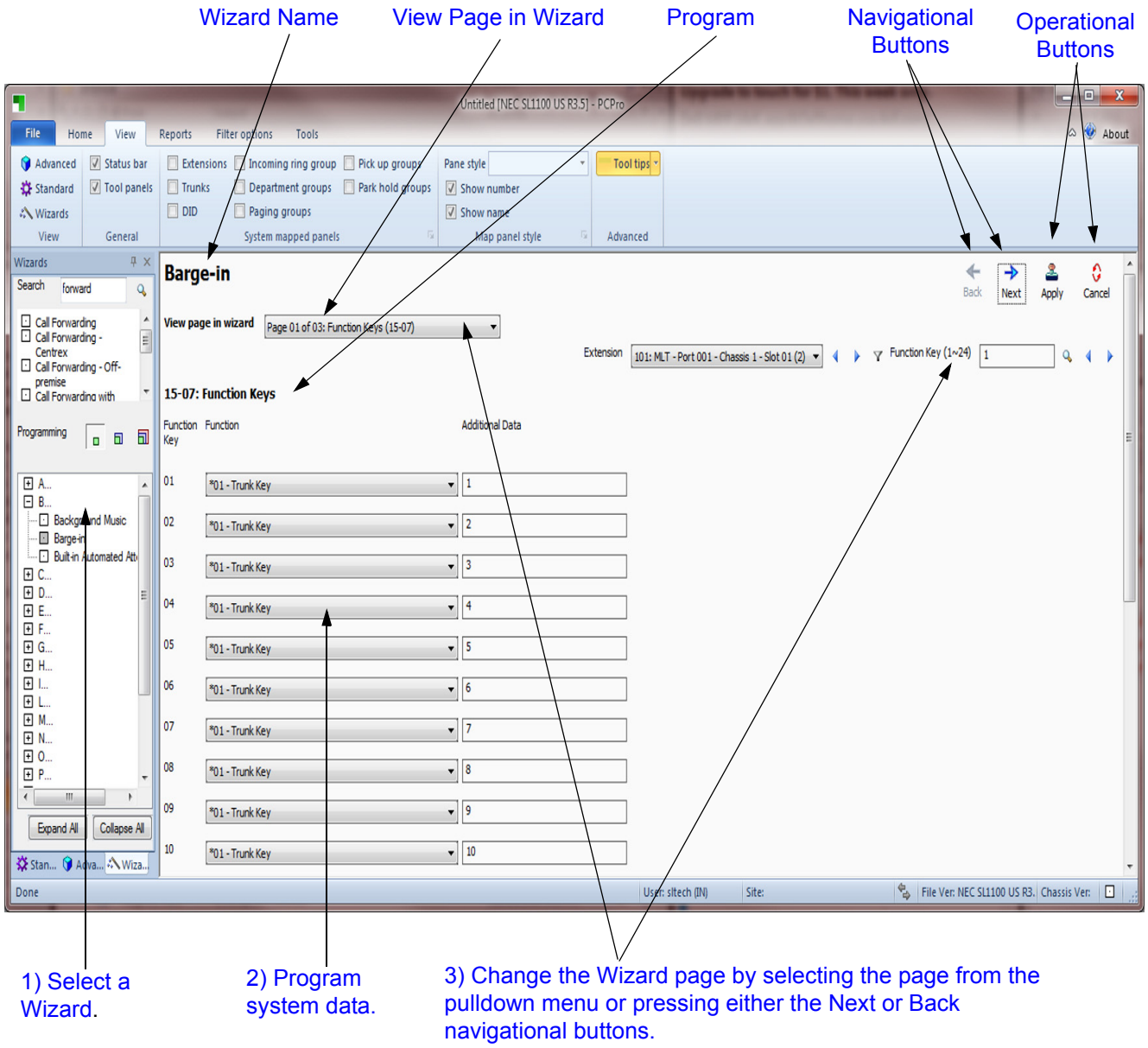


Figure 5-2 Wizard Programming

To use a Wizard to program a feature:

1. Select the feature Wizard from the Wizard View submenu.
2. Modify the desired settings on the screen.
3. Navigate to the next screen in the Wizard by either selecting the desired page from the **View page in wizard** or by pressing the **Next** or **Back** navigational buttons.
4. Complete steps 2 and 3 until all screens are finished.
5. Apply the changes.

   When programming a Wizard, changes to system data are applied:

   - when you press the **Apply** button.
   - when you move to a different page in the Wizard.
   - when you exit the Wizard, except in the case when the **Cancel** button is pressed.

The Cancel button only discards changes made on the current screen. ***It will not undo all changes made in the Wizard****.*

-- NOTES --

CHAPTER 6 *Advanced View*

SECTION 1 OVERVIEW

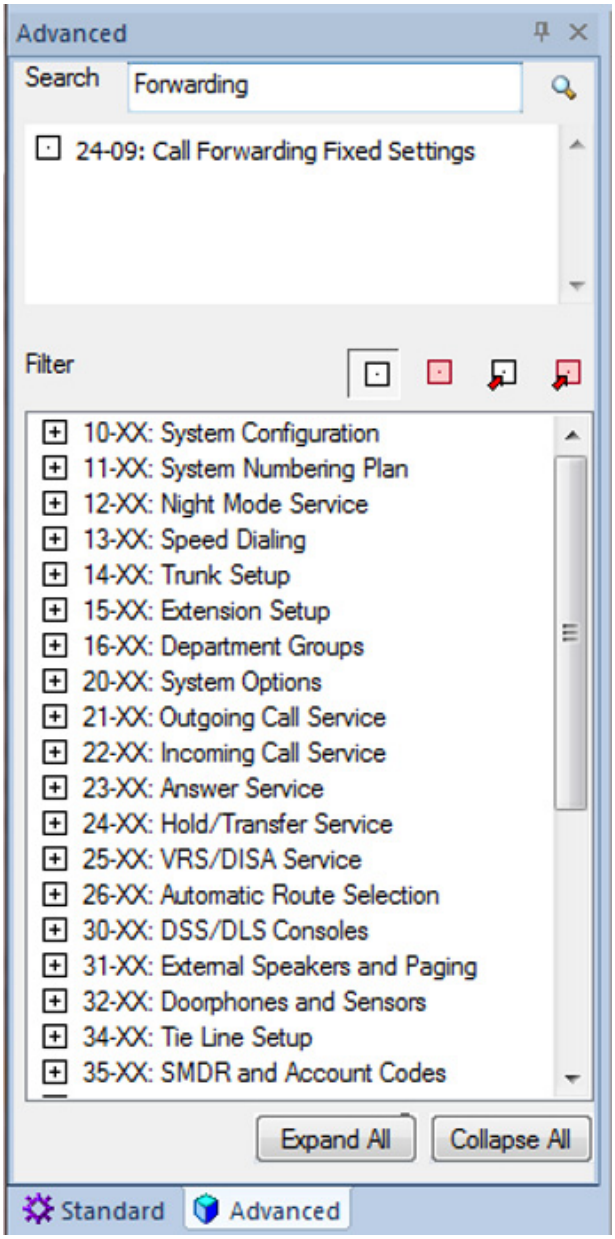
The Advanced view can be used to program system data by PRG. System Data represents system settings as per the categorization used by main software. This categorization separates settings into System Data items called ‘PRGs’ (programs). PRGs are identified by their ID and name. The ID and name indicate what settings the System Data is related to. An example of a PRG identifier can be seen below, ‘10-02’ is the ID and ‘Location Setup’ is the name:

10-02: Location Setup

PRGs are grouped by their relationship into ‘PRG Groups’. PRG Groups are identified by their ID and name. The ID and Name indicate what settings the System Data is related to. An example of a PRG identifier can be seen below, ‘10-XX’ is the ID and ‘System Configuration’ is the name:

10-XX: System Configuration

Since Advanced View Programming does not group together the programs for a function/feature as with Wizards and Standard screens, Advanced View Programming is intended for advanced users of PCPro who are very familiar with programming a system.



Auto Hide: Clicking this icon hides the System Data submenu list and docks the tabs on the left side of the screen.

Close: Clicking this icon closes the System Data submenu list and tabs.

Figure 6-1 Advanced View Submenu

SECTION 2 ACCESSING ADVANCED VIEW

To access Advanced View, complete one of the following:

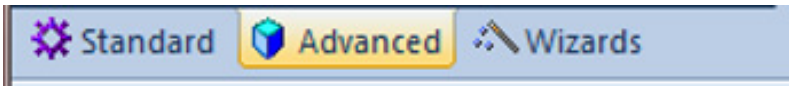
- ❑ Select the menu item **View > Advanced**.

  or…

- ❑ Press **F11**.

  or…

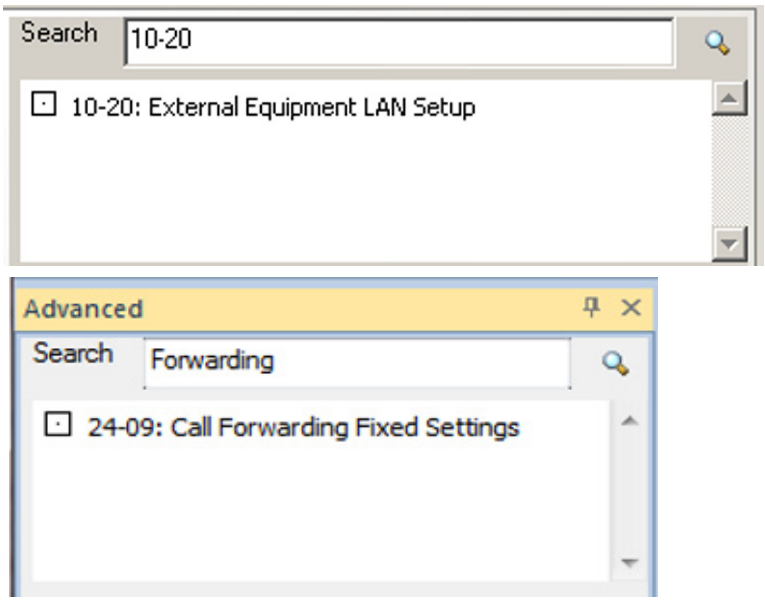
- ❑ If the Advanced submenu area is currently open, select the **Advanced** tab depicting the blue box, located at the bottom on the submenu.



The Advanced View Menu appears in the submenu area. System Data is grouped by PRG Groups and ordered numerically by ID. You can use the Expand All to view all of the items under each Program Number or Collapse All to return to the numeric program listing. You can individually expand or collapse a program number pressing ⊞ or ⊟ .

SECTION 3 SEARCHING FOR A PROGRAM

You can use the search function of Advanced View to locate a specific program or use a keyword to find a group of related programs. The example below shows entering a program number to locate a specific program and entering a keyword to locate a group of similar programs. Start the search by either pressing the magnifying glass icon or pressing **Enter**.



SECTION 4 ADVANCED VIEW PROGRAM FILTERING

When selecting programs from the system data list, you can select from the following filters:

- ❑ – shows all system data.
- ❑ – shows only unsaved system data.
- ❑ – show only system data that needs to be uploaded.
- ❑ – shows only system data that is unsaved and needs to be uploaded.

To show the level of programming for a feature:

1. Select a program.
2. Press the desired filter and view the filtered programs.

SECTION 5 USING ADVANCED VIEW

System Data screens are intended for advanced users who are very familiar with using PCPro. If you are not familiar with PCPro, you should use either the Standard View or Wizards. Standard View and Wizards are grouped together to help walk you through system data necessary for programming various features of the system.

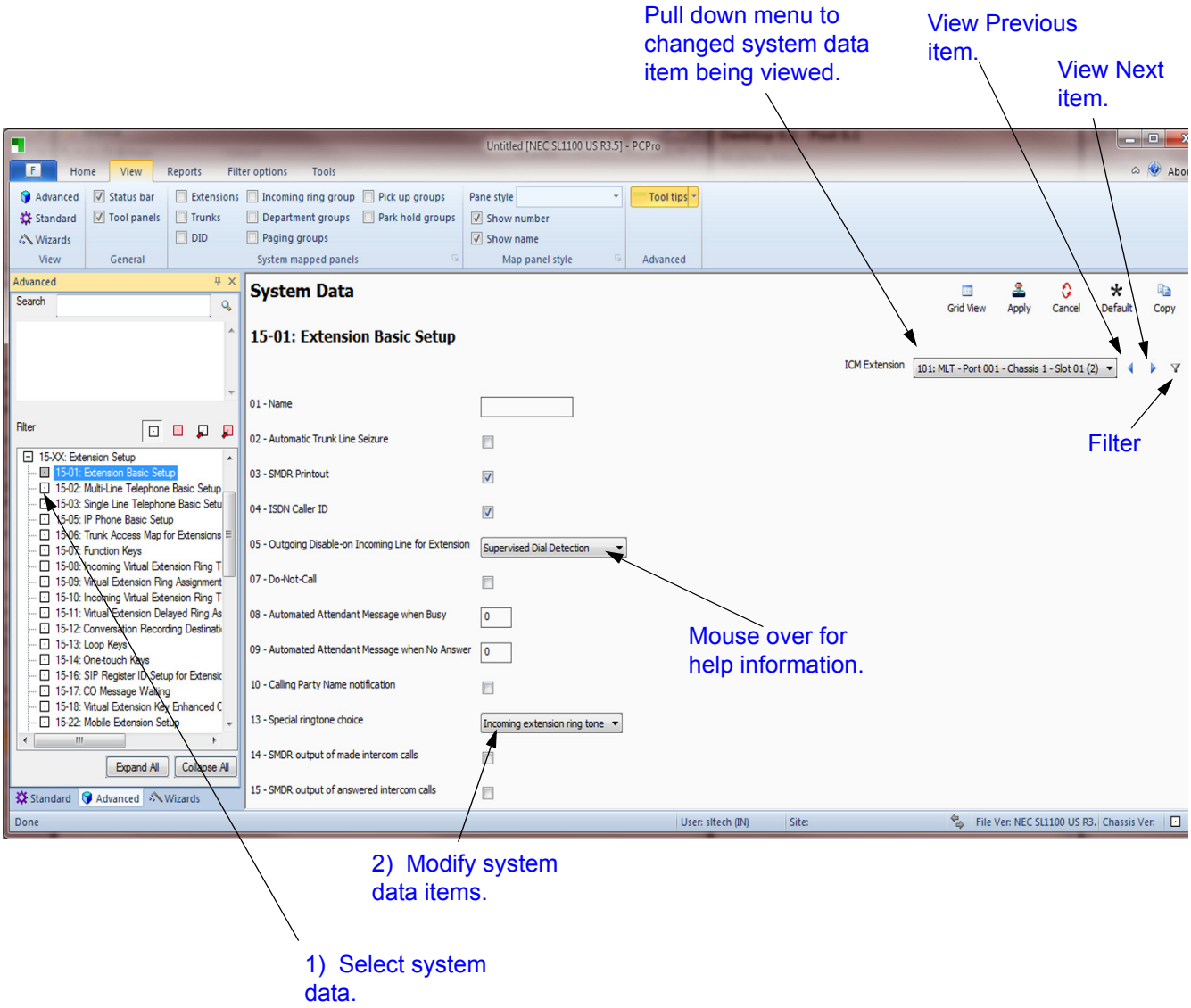


Figure 6-2 System Data Programming

To modify system data:

1. Select a PRG from the Advanced View submenu.
2. Modify the desired settings on the screen.
3. Press the **Apply** button to save the changes.

When programming system data, changes are applied:

- ❑ when the **Apply** button is pressed.
- ❑ when the you change the system data item link.
- ❑ when you modify the current system data item filter.
- ❑ when you exit Advanced View, except when the **Cancel** button is pressed.

-- NOTES --

CHAPTER 7 *Ribbon Bar and Sliding Panels*

SECTION 1 GENERAL DESCRIPTION RIBBON BAR AND SLIDING PANES

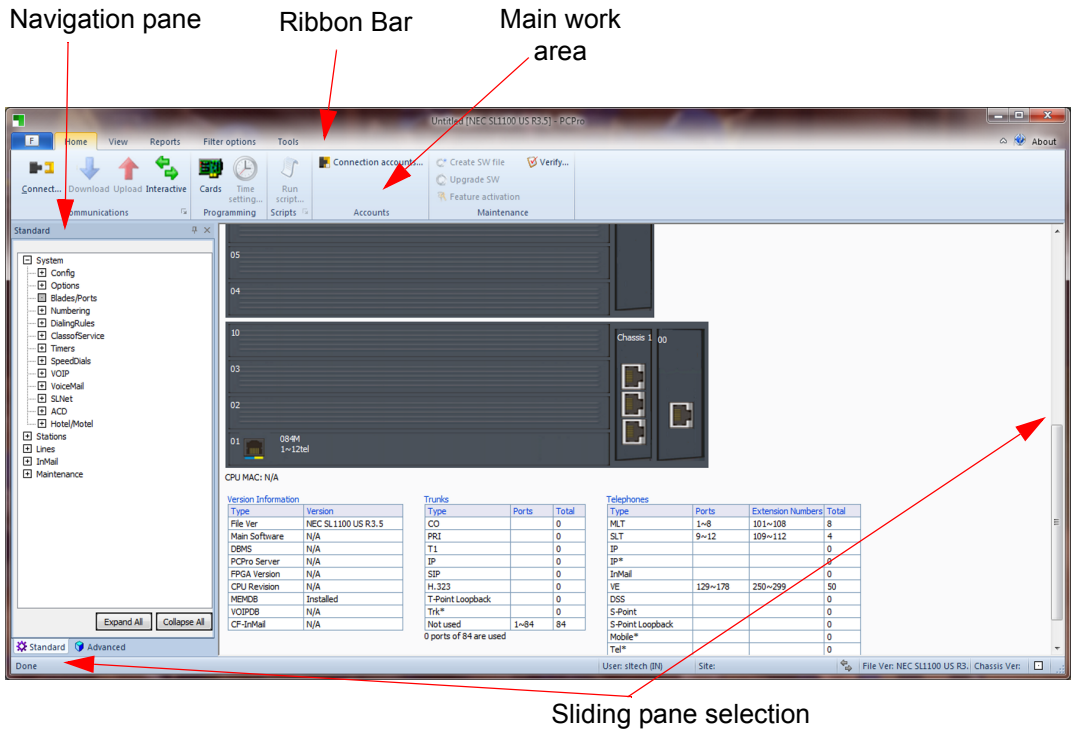


Figure 7-1 Default PCPro Screen

1.1 Ribbon Bar

File

Figure 7-2 Ribbon Bar - File

Home

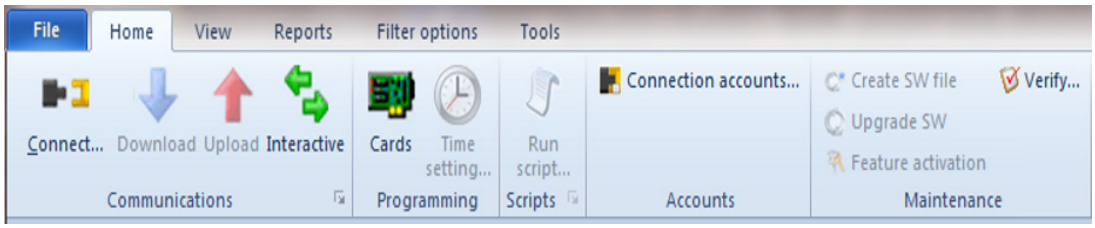


Figure 7-3 Ribbon Bar - Home

View

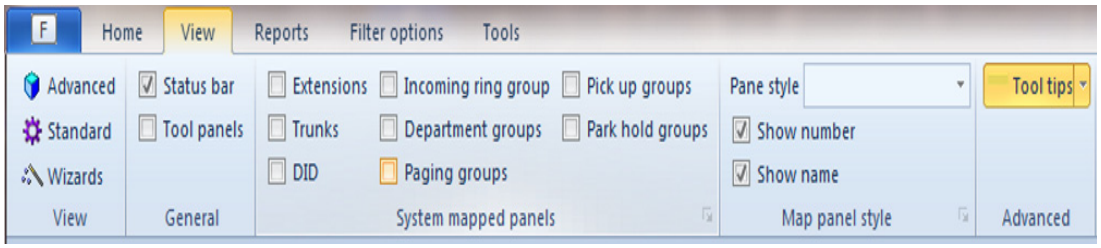


Figure 7-4 Ribbon Bar - View

Reports

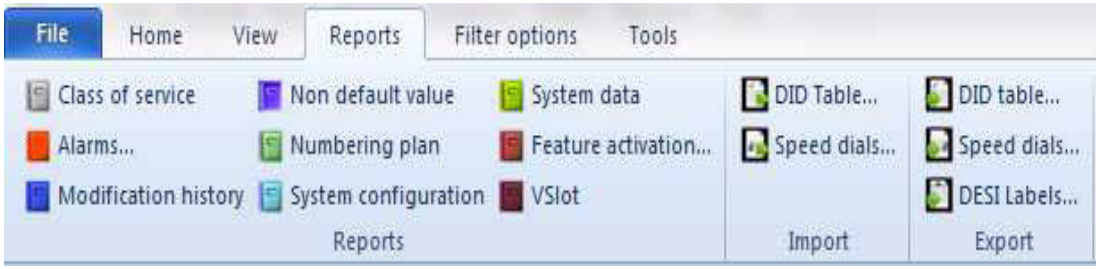


Figure 7-5 Ribbon Bar - Reports

Filter Options

Figure 7-6 Ribbon Bar - Filter Options

Tools

Figure 7-7 Ribbon Bar - Tools

SECTION 2 DEFAULT RIBBON BARS

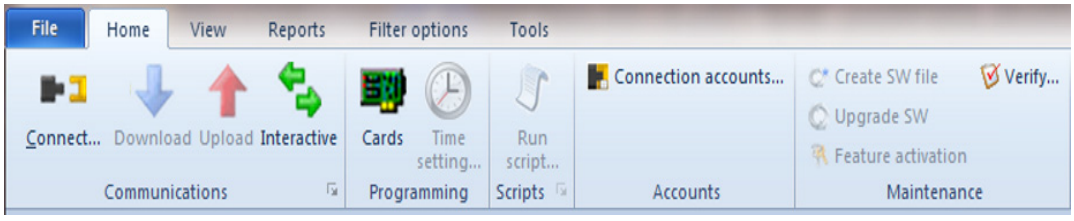


Figure 7-8 Ribbon Bar - Home

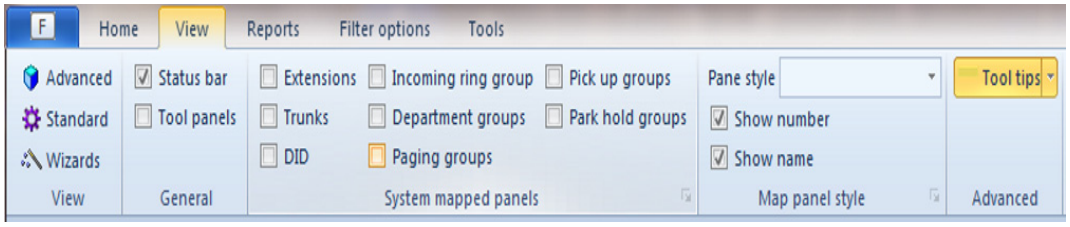


Figure 7-9 Ribbon Bar - View

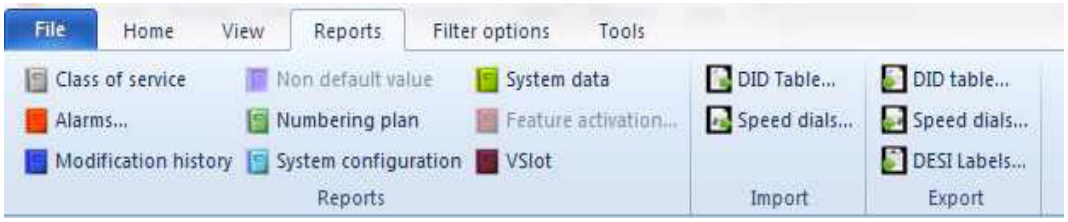


Figure 7-10 Ribbon Bar - Reports

Figure 7-11 Ribbon Bar - Filter Options

APPENDIX A Communications

SECTION 1 OVERVIEW

PCPro provides methods for the application to communicate with the chassis. PCPro can connect to the chassis to allow you to download/upload data, to perform a system initialization, to update firmware, to activate features and to backup a database to or restore a database from a flash key.

SECTION 2 CONNECT/DISCONNECT

Connect/Disconnect makes or breaks a connection session between PCPro and a chassis. This option changes its functionality depending on the connection status of PCPro. Figure A-1 Connect/Disconnect Status shows how the connection status is indicated on the toolbar.

Figure A-1 Connect/Disconnect Status

	Disconnected	Signifies that PCPro is not connected to the chassis.
	Connected	Signifies that PCPro is currently connected to the chassis.

2.1 Accessing Connection Dialog

Connecting PCPro to a system is done within the Connect dialog. While PCPro is disconnected from a system, access the Connect dialog using one of the following three methods.

- ❑ Select the menu item **Communications > Connect/Disconnect**.

or…

- ❑ Select the icon depicting the disconnected black and yellow plugs .

or…

- ❑ Press **F5**.

2.2 Connecting PCPro to the System

Use the Connect dialog box to specify connection parameters to connect to the system.

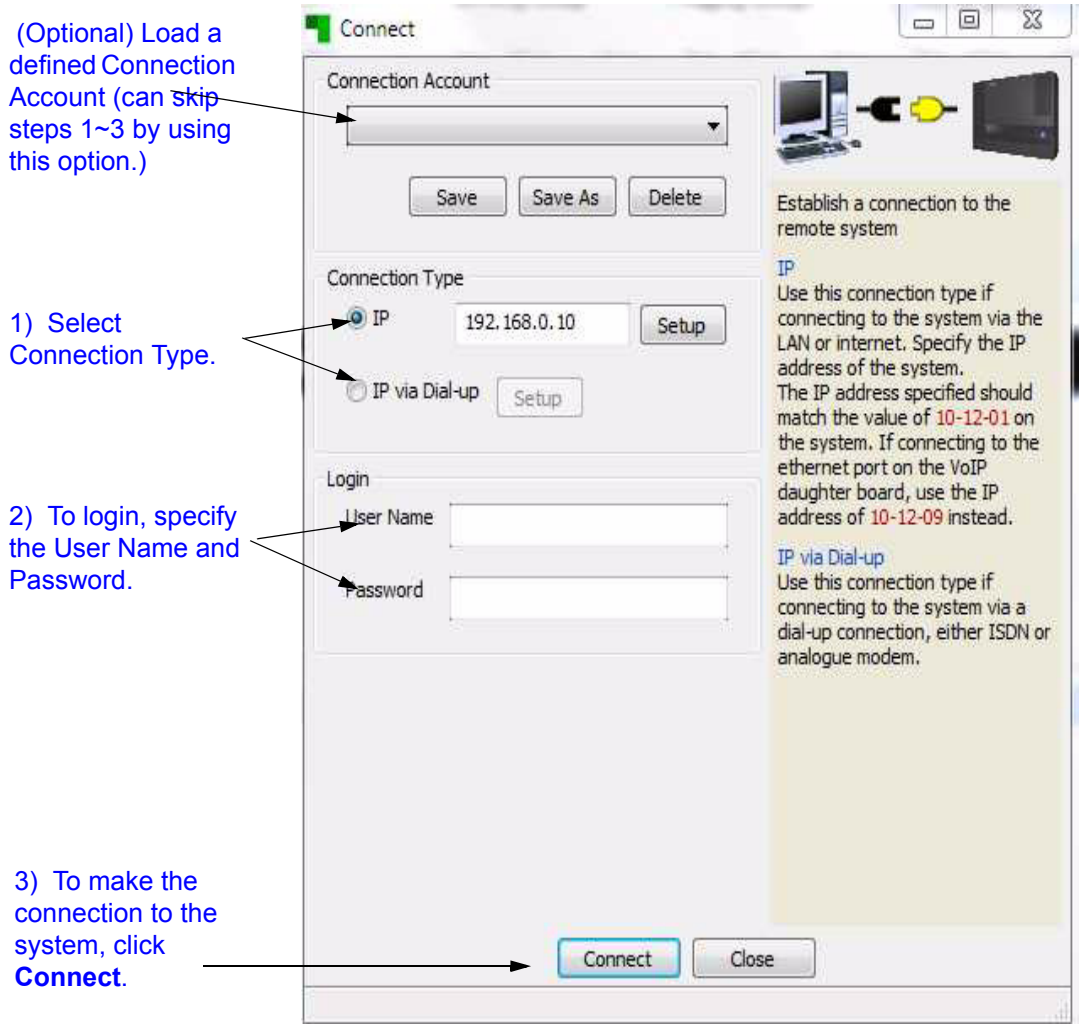


Figure A-2 Connect Dialog

To make a connection between PCPro and the system:

1. Select a **Connection Type** and specify the settings relevant to the selected type.
2. Specify the **User Name** and **Password** used to allow the connection.
3. Alternatively, steps 1~2 can be skipped loading a defined connection account (refer to Appendix D - Connection Accounts).
4. Press the **Connect** button.

   After a successful connection, the connection settings that are used are set to the File Properties.

✎ *With SL1100 PC Pro 3.5 or higher, after connecting PC Pro automatically downloads the database if there has been no changes to the new/default database.*

✎ *If one change is made to the default database the download does not happen, even if the change is set back.*

2.2.1 Connection Types

PCPro supports two types of connections to a system.

Connection Types for SL1100:

- IP
  An *IP Connection* can be made via a LAN or the Internet. The IP address specified should match the system setting 10-12-01. If connecting to the ethernet port on the VoIP daughter board, use the IP address setting in 10-12-09.
- Dial-up
  An *IP via Dial-up* can be made via a dial-up connection, either through ISDN or an analog modem.

  ✎ *The Dial-up connection has to be up and connected before trying to use this connection.*

  To install dial up connection, refer to paragraph 2.2.2 Create SL1100 Dial Up Connection on page A-3.

2.2.2 Create SL1100 Dial Up Connection

When connecting an SL1100 via modem, a Dial Up Connection (PPP) must be created. The following steps describe how to set up the Dial Up Connection (PPP).

1. Click **Start >Settings>Network Connections**.

2. Select **Create a New Connection**.

Figure A-3 New Connection Wizard Dialog

3. Click **Next**.
4. Select **Connect to the network at my workplace**, then click **Next**.

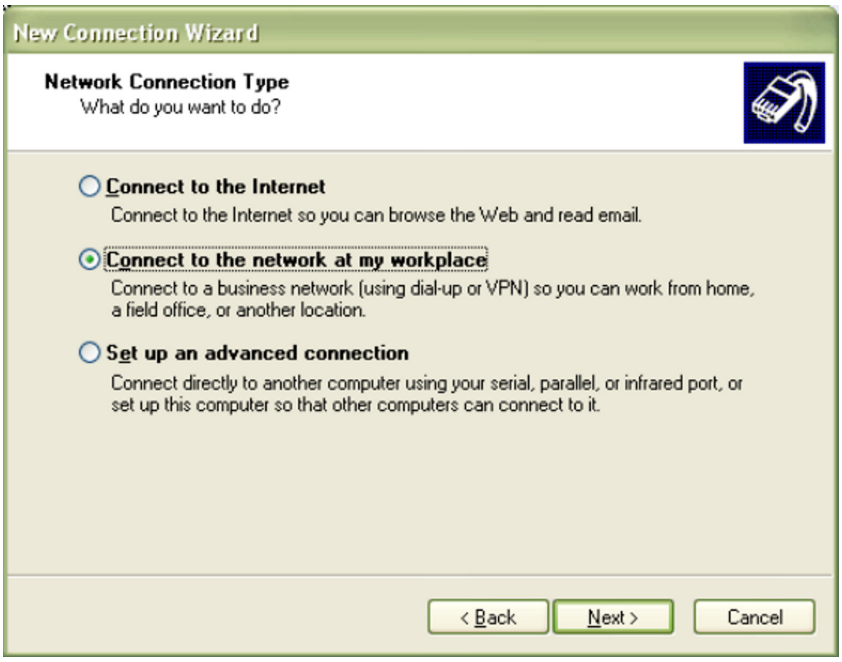


Figure A-4 Network Connection Type Dialog

5. Select **Dial-up connection**, then click **Next**.

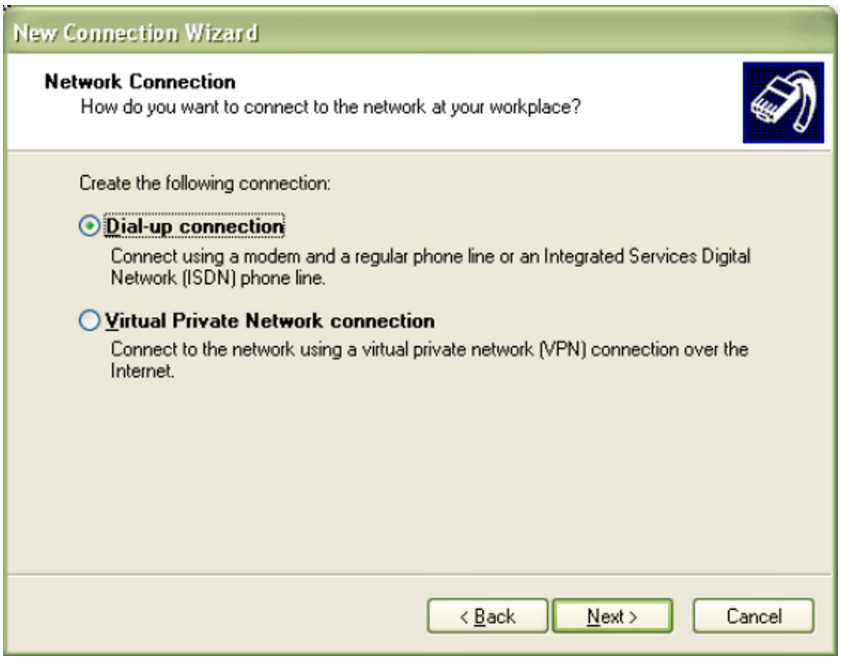


Figure A-5 Network Connection Dialog

6. Enter a name to be used for the dial-up connection.

Figure A-6 Connection Name Dialog

7. Enter the telephone number to be dialed, then click **Next**.

Ensure the SL1100 programs 11-15-14, 22-02 and 22-07 are setup to receive calls to the modem.

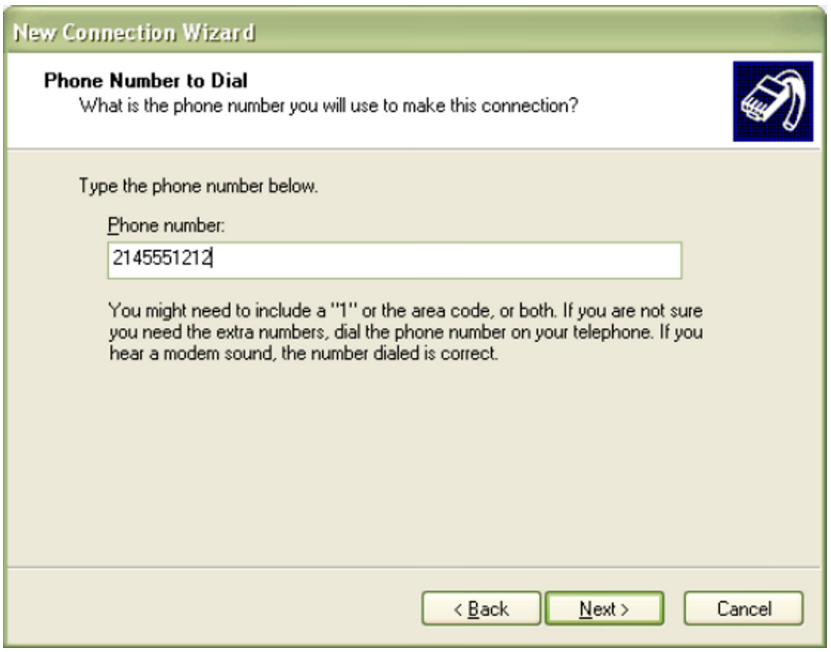


Figure A-7 Phone Number to Dial Dialog

8. Setup the availability of the connection, then click **Next**.

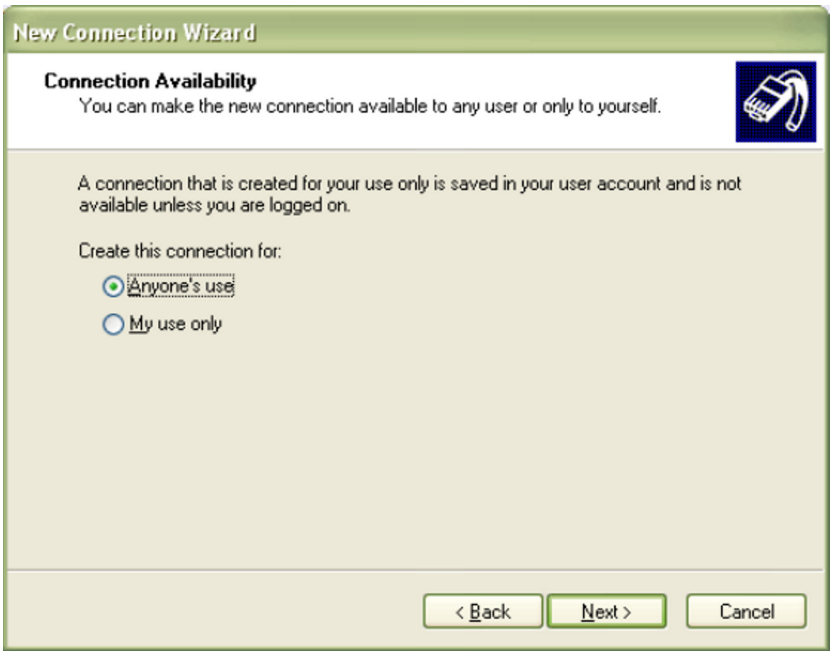


Figure A-8 Connection Availability Dialog

9. Click **Finish**.

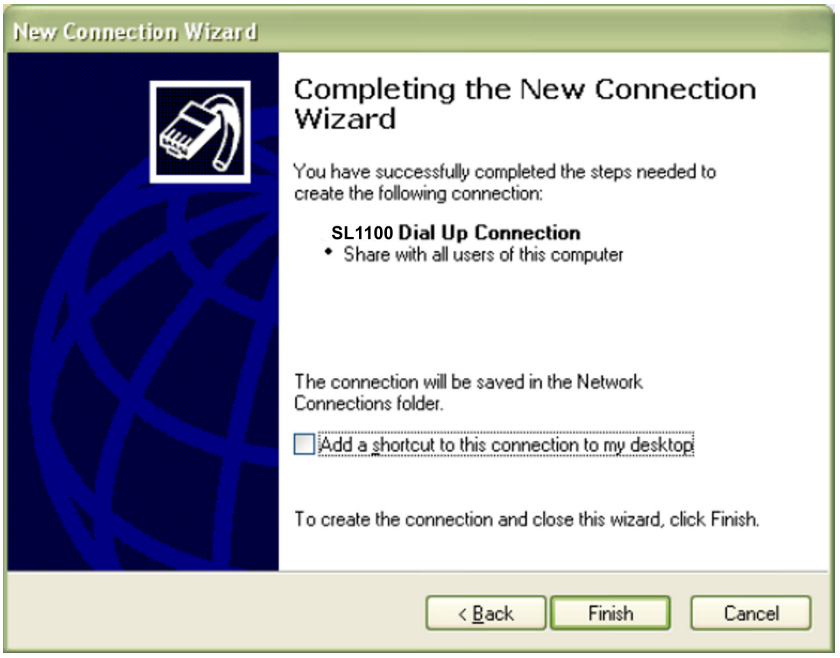


Figure A-9 Completing the New Connection Dialog

2.2.3 Login

Specify the User Name and Password that will allow the connection. The account must exist within the chassis settings 90-02. Like PCPro Accounts, Login Accounts govern what system data can be accessed from the chassis.

It is important to note, Login Accounts are not the same as PCPro Accounts. Thus both chassis Login and PCPro Account settings are NOT synchronized and are independent of each other.

Once connected, the PCPro access level changes to match the level assigned to the user name/password used to connect. This access level is set in 90-02 on the chassis. For example, if you start PCPro in Installer (IN) mode, but connect to a chassis using an account with an access level of System Administrator Level 1 (SA), after connecting PCPro assumes the access level of SA. Once you are disconnected, PCPro reverts back to the access level IN.

2.3 Disconnecting PCPro from the System

While PCPro is connected to a system, you can disconnect using one of the following methods:

1. Select the menu item **Communications > Connect/Disconnect.**

   or…

2. Select the icon depicting the connected black and yellow plugs .

   or…

3. Press **F5**.

All communication methods, excluding ‘Connect/Disconnect’, are disabled and the ‘Connect/Disconnect’ toolbar icon changes status to disconnected.

SECTION 3 DOWNLOAD

Downloading pulls all the data off the system and loads it into PCPro. A download can only occur when PCPro is connected to a system.

3.1 Accessing Download

When PCPro is connected to a system, access the Download dialog using one of the following methods.

- ❑ Select the menu item **Ribbon Item Home > Download**.

or…

- ❑ Select the icon depicting the blue arrow .

or…

- ❑ Press **F6**.

3.2 Downloading Data from the System to PCPro

Use the Download dialog to specify the parameters and perform a download.

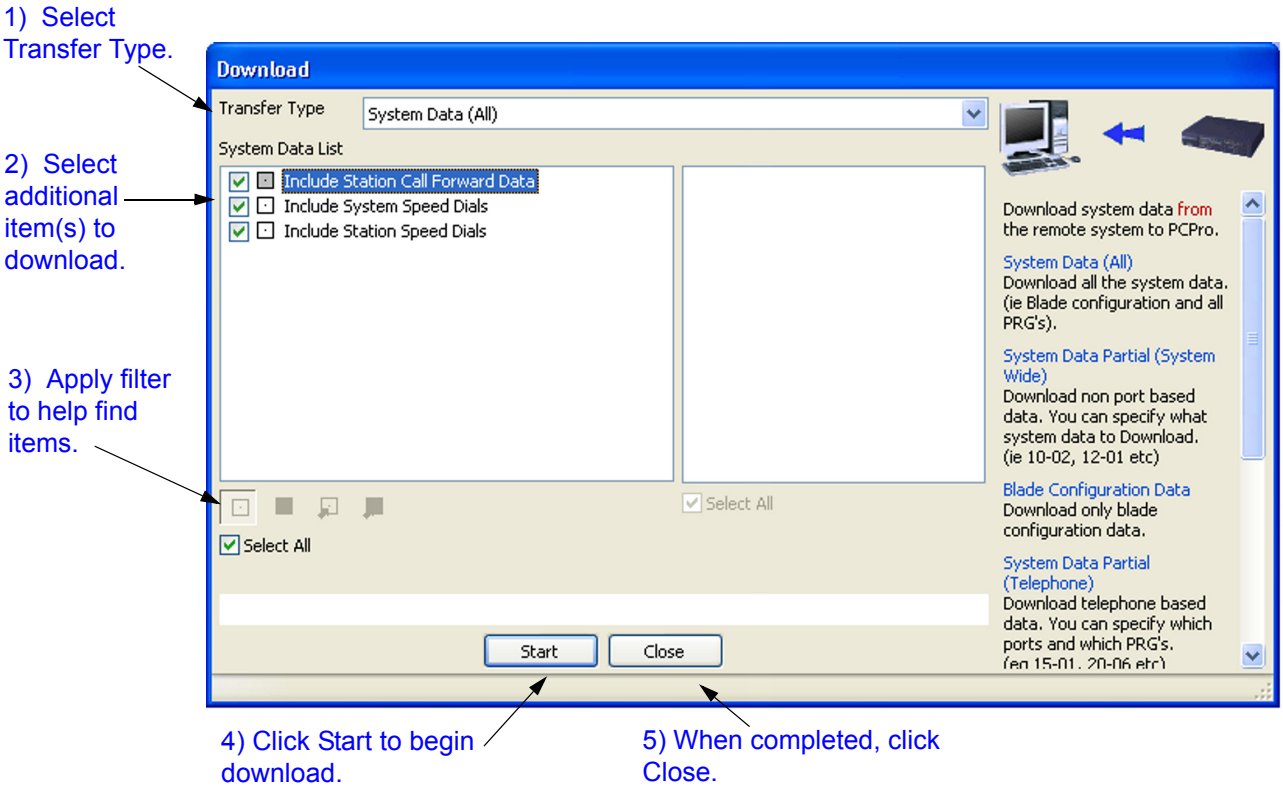


Figure A-10 Download Dialog

To download data from system memory to PCPro:

1. Select a **Transfer Type**.
2. Select **Transfer Type** items.
3. If desired, select items via the Modify Filter.
4. Press the **Start** button.

5. After the download is completed, press the **Close** button.

3.2.1 Transfer Type

Select a filter that controls the scope of settings to download. The following Transfer Types are made available.

- All: No filter, all chassis settings.
- Blade Configuration: Blade package settings.
- System Data Partial (System Wide): System-based settings.
- System Data Partial (Telephone): Telephone-based settings.
- System Data Partial (Virtual Extension): Virtual Extension-based settings.
- System Data Partial (Trunk): Trunk-based settings.
- User Data: User-specific settings.

Transfer Type Items

Specifically select PRG Groups and/or individual PRGs from the chassis settings to download. The choice of Transfer Type Items available is governed by the Transfer Type selected.

Modify Filters

A filter is applied based on the system data modification status. The filter only applies to system data on the PCPro side, not system data residing in chassis memory. Refer to Appendix C - Modification History for further information.

SECTION 4 UPLOAD

Uploading pushes all the data from PCPro to system memory. An upload can only occur when PCPro is connected to a system.

4.1 Accessing Upload

When PCPro is connected to a system, access the Upload dialog using one of the following methods:

- Select the menu item **Ribbon Item Home > Upload**.

or…

- Select the icon depicting the red arrow .

or…

❑ Press **F7**.

4.2 Uploading Data from PCPro to System Memory

Use the Upload dialog to specify the parameters and perform an upload.

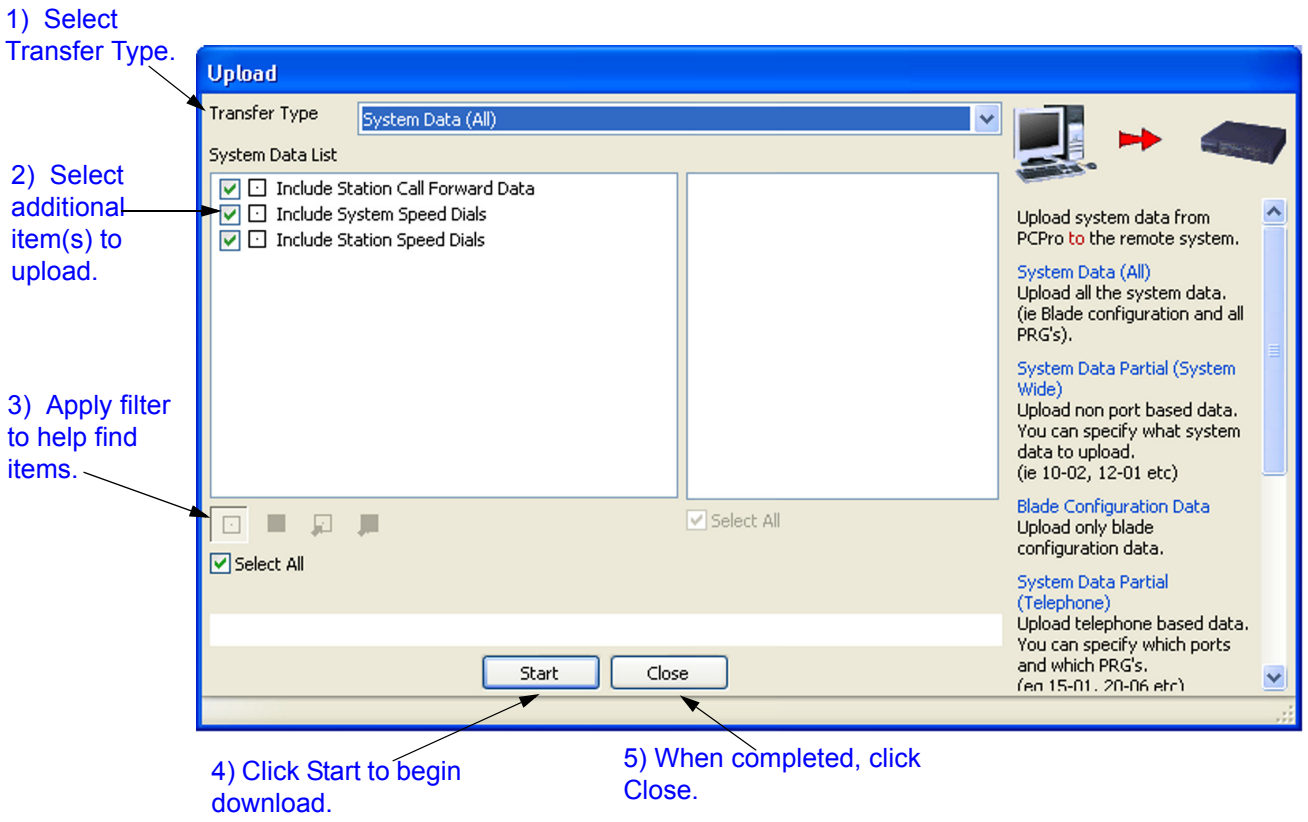


Figure A-11 Upload Dialog

To upload data from PCPro to system memory:

1. Select a **Transfer Type**.
2. Select **Transfer Type** items.
3. If desired, select items via the Modify Filter.
4. Press the **Start** button.
5. After the upload is completed, press the **Close** button.

4.2.1 Transfer Type

Select a filter that controls the scope of chassis settings to upload. The following Transfer Types are made available.

- All: No filter, all Chassis settings.
- Blade Configuration: Blade packages settings.
- System Data Partial (System Wide): System-based settings.
- System Data Partial (Telephone): Telephone-based settings.
- System Data Partial (Virtual Extension): Virtual Extension-based settings.
- System Data Partial (Trunk): Trunk-based settings.
- User Data: User-specific settings.

Transfer Type Items
Specifically select PRG Groups and/or individual PRGs from the chassis settings to upload. The choice of Transfer Type Items available is governed by the Transfer Type selected.

Modify Filters
A filter is applied based on the system data modification status. The filter only applies to system data on the PCPro side, not system data residing in chassis memory. Refer to Appendix C - Modification History for further information.

4.3 Uploading Blade Configuration

When uploading the Blade Configuration via **Upload All,** and selecting Card Configuration, or just **Uploading Card Configuration**, a warning popup will display when either Trunks or stations are busy at the time of selecting to uploading the Card Configuration. This will allow for the upload to be cancelled and completed at a later time, or to be continued and will disconnect the busy trunks and/or stations.

This popup is shown when the Card Configuration is selected to be uploaded and the trunks are busy.

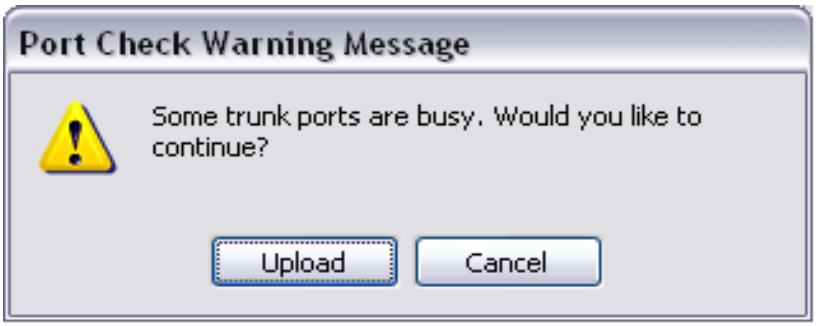


Figure A-12 Trunk Ports Busy Warning

This is popup is shown when the Card Configuration is selected to be uploaded and stations are busy.

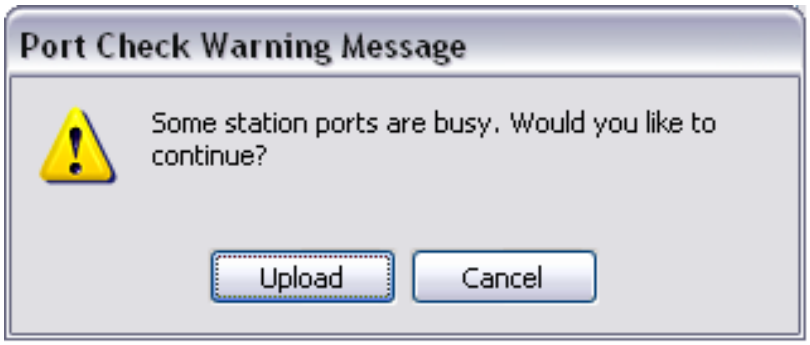


Figure A-13 Station Ports Busy Warning

SECTION 5 FEATURE ACTIVATION

Some system features are licensed and require registration before they can be used. Features can be activated by registering the feature automatically via the Internet or manually by downloading the associated Software Code. Feature Activation can only occur when PCPro is connected to a system.

5.1 Accessing Feature Activation

When PCPro is connected to a chassis, access the Feature Activation dialog by selecting the menu item **Ribbon Item Home > Feature Activation**.

5.2 Activating a Feature

Refer to Appendix F - Feature Activation for a detailed discussion.

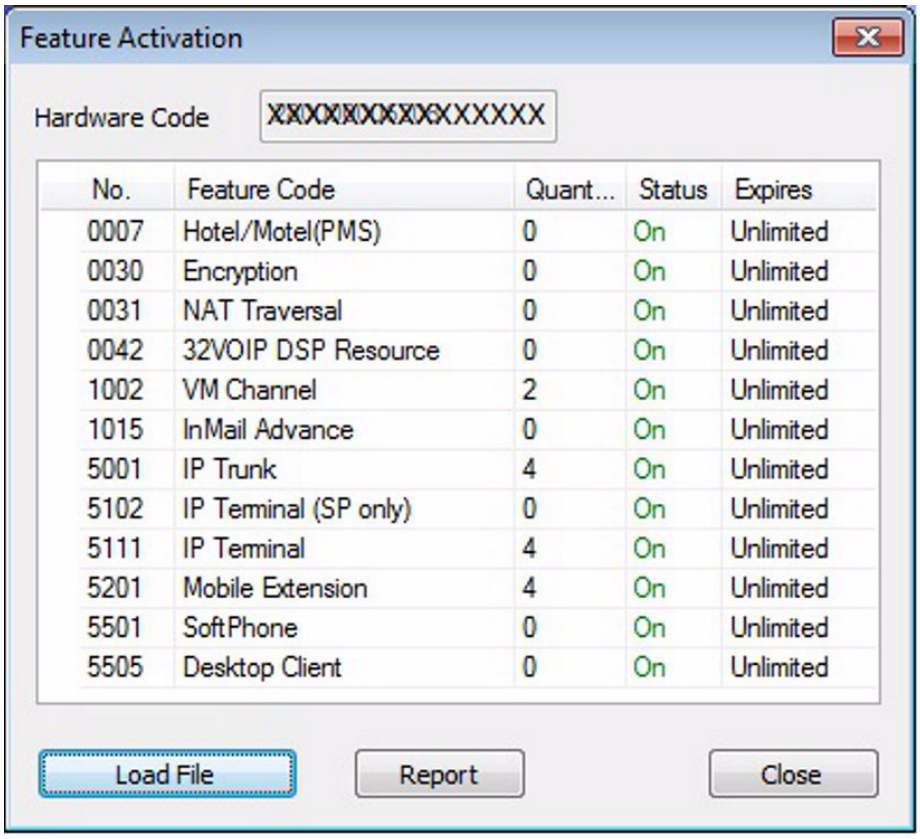


Figure A-14 Feature Activation Dialog

SECTION 6 FIRMWARE UPDATE

Firmware Update automatically updates the main software in a system remotely at a scheduled time. This feature saves times and effort in comparison to performing the task manually. A Firmware Update can only occur when PCPro is connected to a chassis.

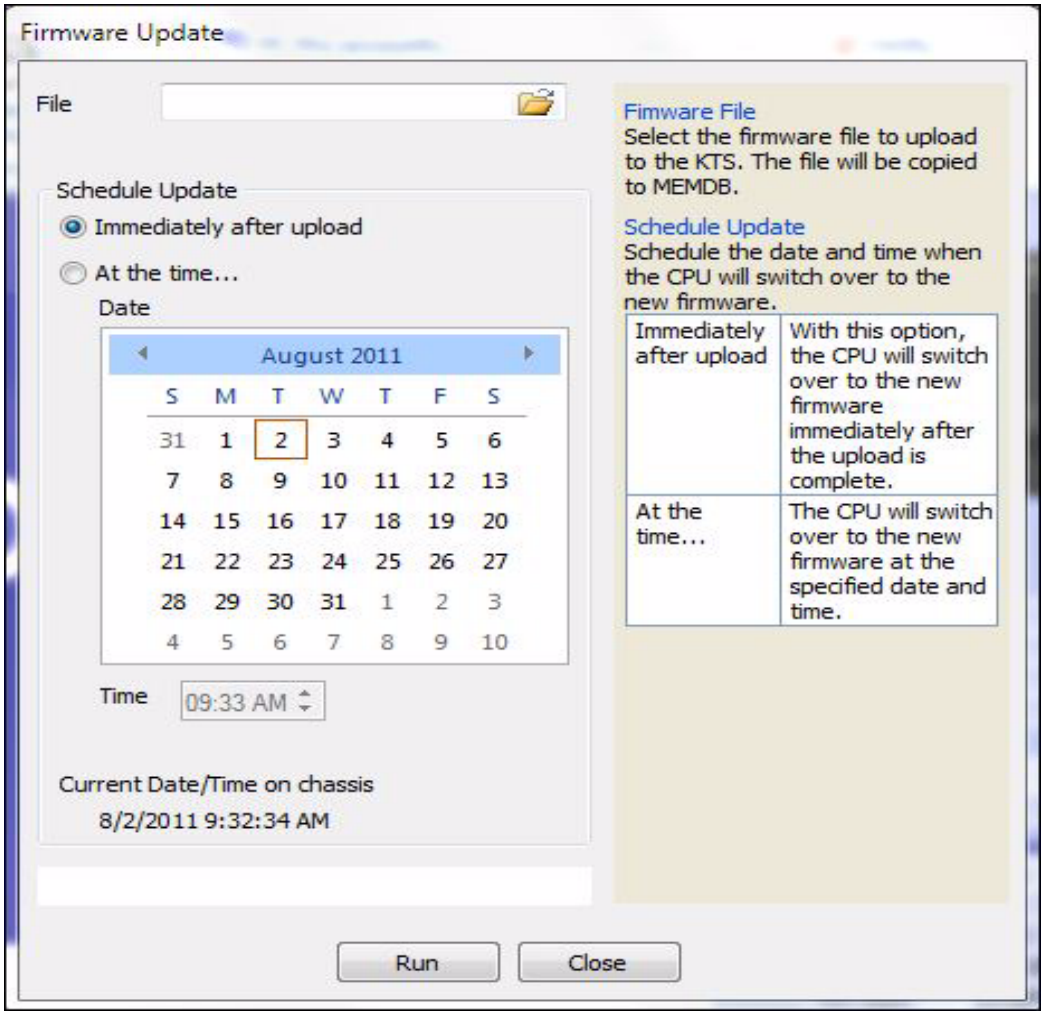


Figure A-15 Firmware Update Dialog

The time to upload the firmware package file is directly related to the file size. At present, the package file is about 10MB, so over LAN it may take several minutes.

A backup of system data should be performed before any firmware update.

Before Firmware Update can be used the system must meet the following requirements:

1. Feature Activation
   The Firmware Update feature must be registered through Feature Activation. Refer to Section 5 Feature Activation on page A-13 for details.
2. Hardware
   The hardware prerequisite for Firmware Update is the Compact Flash drive. The Compact Flash drive is used to store the Firmware Update file before the operation is executed.

6.1 Accessing Firmware Update

When PCPro is connected to a chassis, access the Firmware Update dialog by selecting the menu item **Ribbon Item Home > Upgrade SW**.

6.2 Using Firmware Update

Use the Firmware dialog to specify the parameters and perform a Firmware Update.

To perform a firmware update:

1. Select a **Firmware File**.

   Firmware Package File:
   Select a Firmware package file provided by NEC. Updating a chassis with a faulty Firmware page file could render the system unusable.

2. Schedule when the Firmware Update is to occur using the parameters in the **Schedule Update** section.

   Schedule:
   Schedule when the Firmware update will occur. The changes of the Firmware Update will only occur after the chassis is reset. Thus the Firmware Update should be executed at a suitable time when the chassis is not actively in use.

   ✎ *The time you specify should be relative to the time on the chassis, not the local time of the PC.*

3. Press the **Start** button.

6.3 Remote Upgrade Function by WebPro

This function is available with **Version 4.0 or higher** system software.

1. The user level which performs the Remote Update is as follows:

   1 = MF (Manufacturer Level)

   2 = IN (Installer Level)

2. You can choose “Immediately” or “At the time” as installation timing.

3. **Immediately** means the Update will be performed immediately after uploading is complete.

4. **At the time** means the Update will perform at a preset date and time.

5. When the start button is pressed the upload process will begin even if “At the time” is set.

Below is an example of remote firmware update.

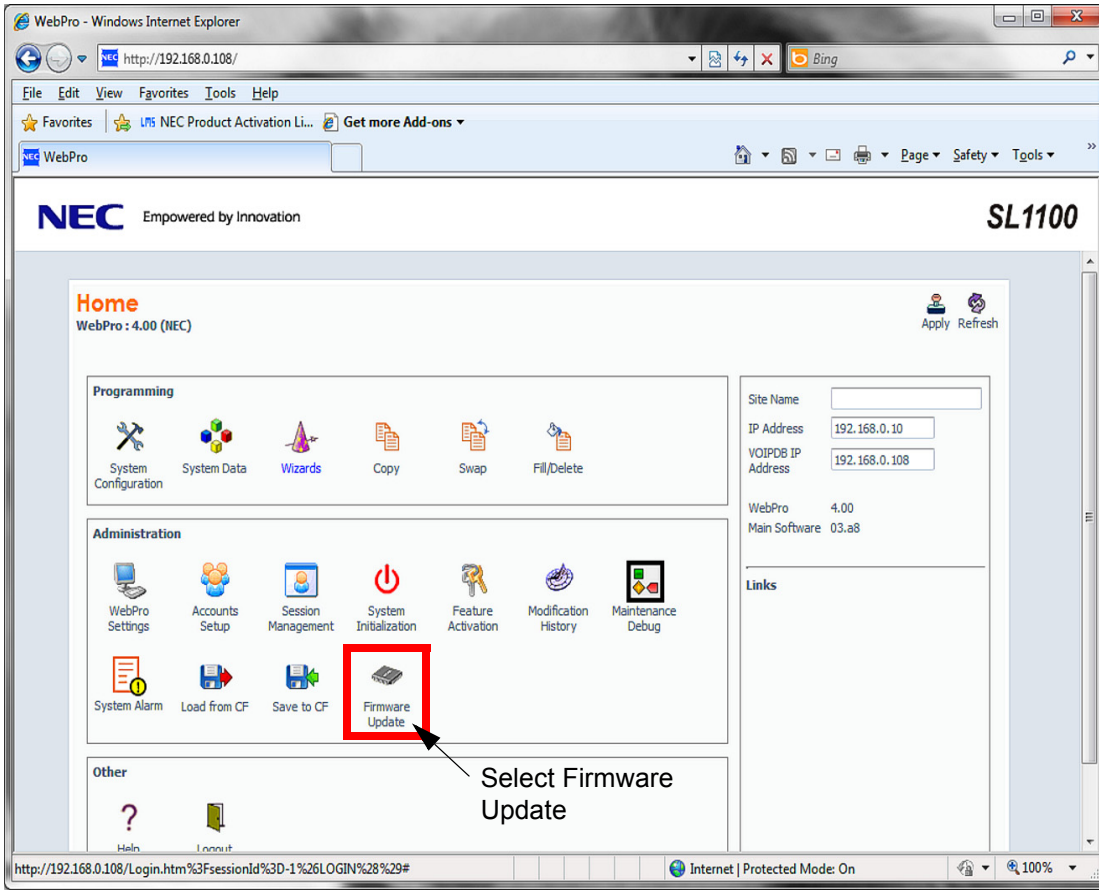
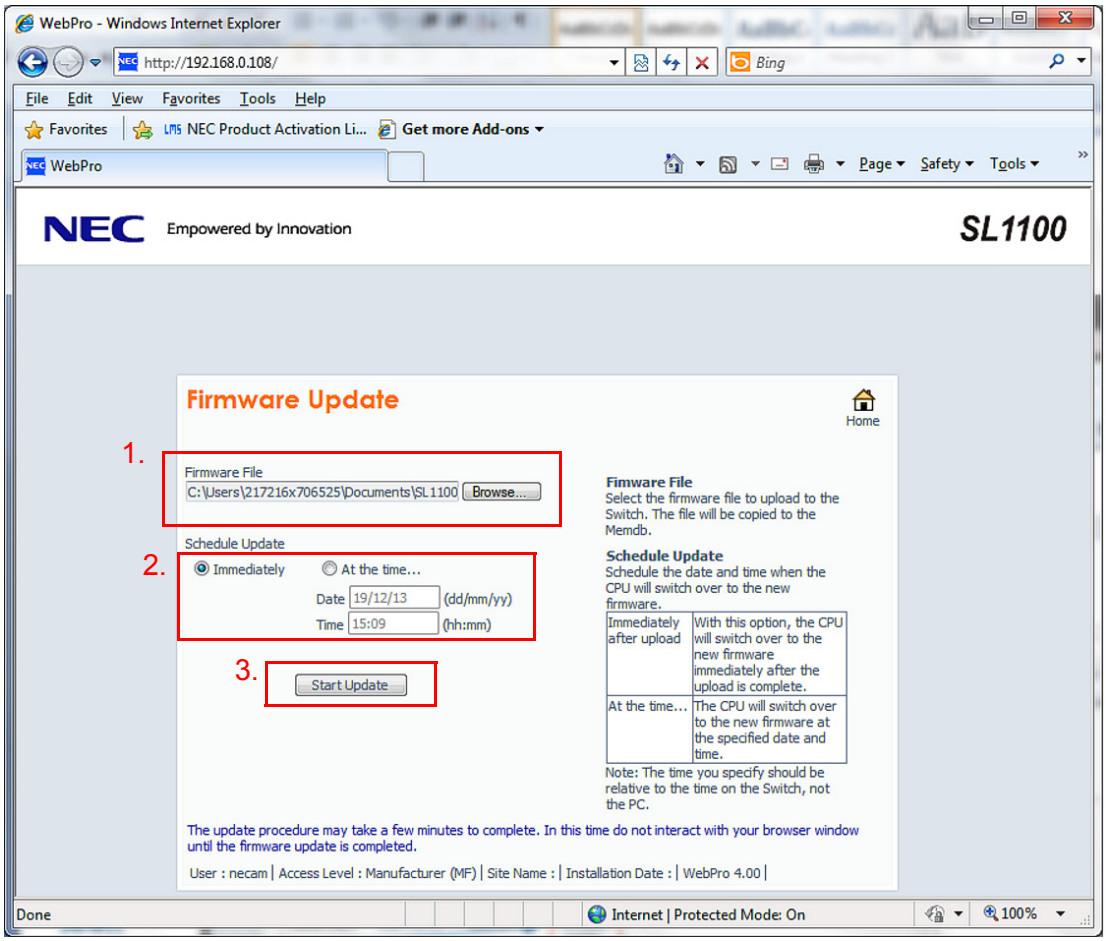


Figure A-16 Remote Firmware Update Screen



1. Browse to Firmware File.

2. Select **Immediately** or **At the time...**

3. Select **Start Update**.

4. Once the firmware is loaded the system will reset immediately, or at the time specified.

Figure A-17 Firmware Update Screen

SECTION 7 SYSTEM INITIALIZATION

A System Initialization resets a system. During an initialization all telephone calls are dropped and all connections to WebPro, PCPro and the handset are lost. Therefore, it is important that initialization should be executed at a suitable time when the system is not actively in use. PCPro can only execute an initialization when it is connected to a system.

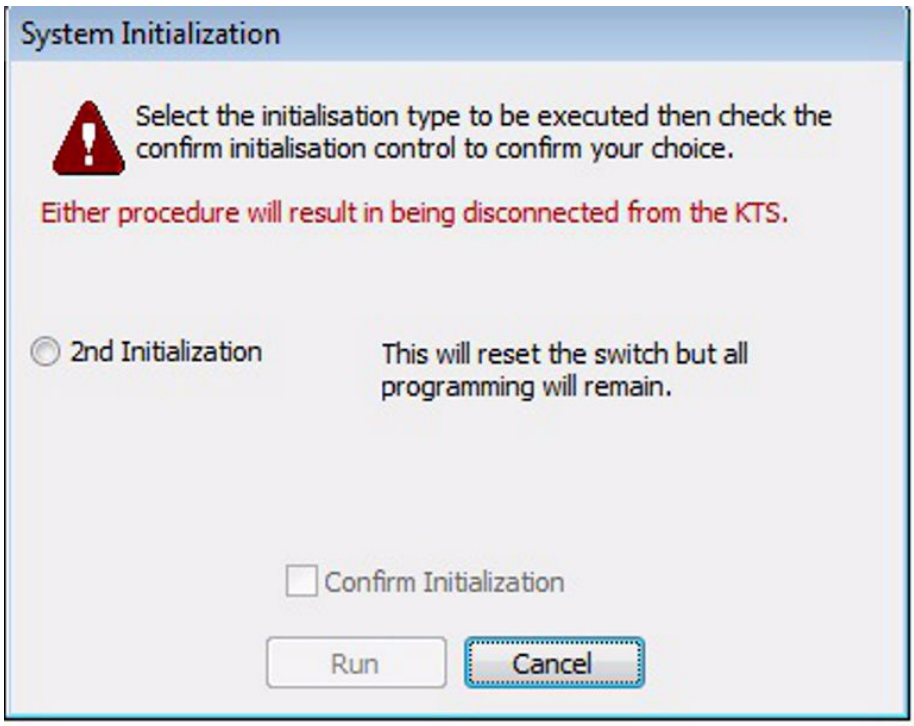


Figure A-18 System Initialization Dialog

7.1 Accessing System Initialization

When PCPro is connected to a system, access the System Initialization dialog by selecting the menu item **Communications > System Initialization.**

7.2 2nd Initialization

A 2nd Initialization resets the chassis and retains all previously modified values within system data.

-- NOTES --

APPENDIX B *Copy/Fill*

SECTION 1 OVERVIEW COPY (ADVANCED TAB)

The system data copy function allows you to copy data from one item to another (e.g., one trunk to another). This copy only applies to a single program. Copy only appears on screens where it is applicable.

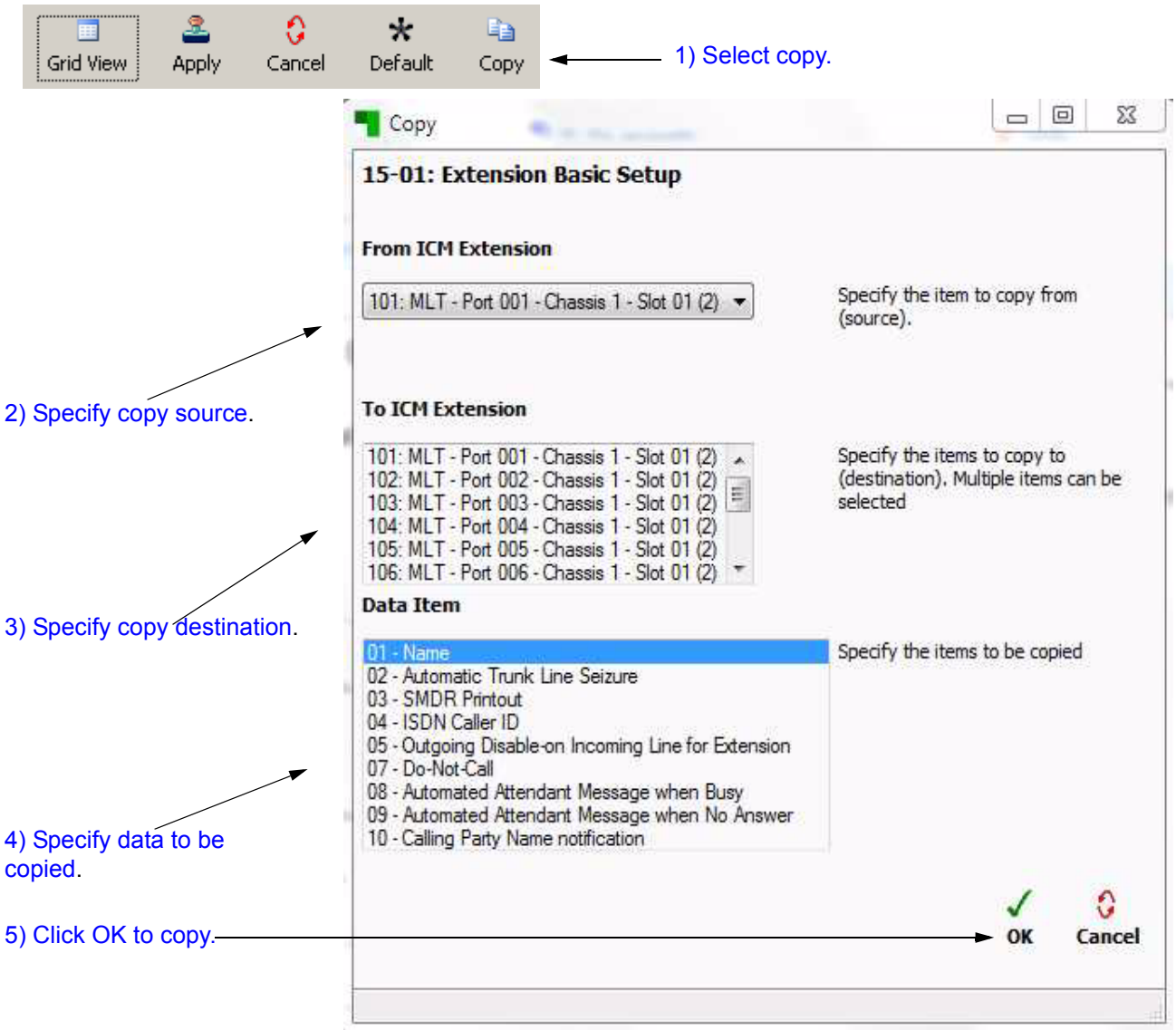


Figure B-1 System Data Copy

SECTION 2 COPYING SYSTEM DATA (ADVANCED TAB)

To copy a system data item:

1. Press the **Copy** button .
2. When the **Copy** dialog box is displayed, specify the source to copy from.

   The source (**From**) shows the item being copied from. Only a single source item can be selected.
3. Specify elements of the source that you want to copy.

   These settings are specific to the system data being copied.
4. Specify the destination where you want to the elements copied.

   The destination (**To**) details the item(s) where the selected source information is copied to. Multiple destination items can be selected.
5. Press **OK** to copy the selected items.

SECTION 3 OVERVIEW COPY (STANDARD TAB)

✎ *This feature is available on PCPro version 4.0 and higher.*

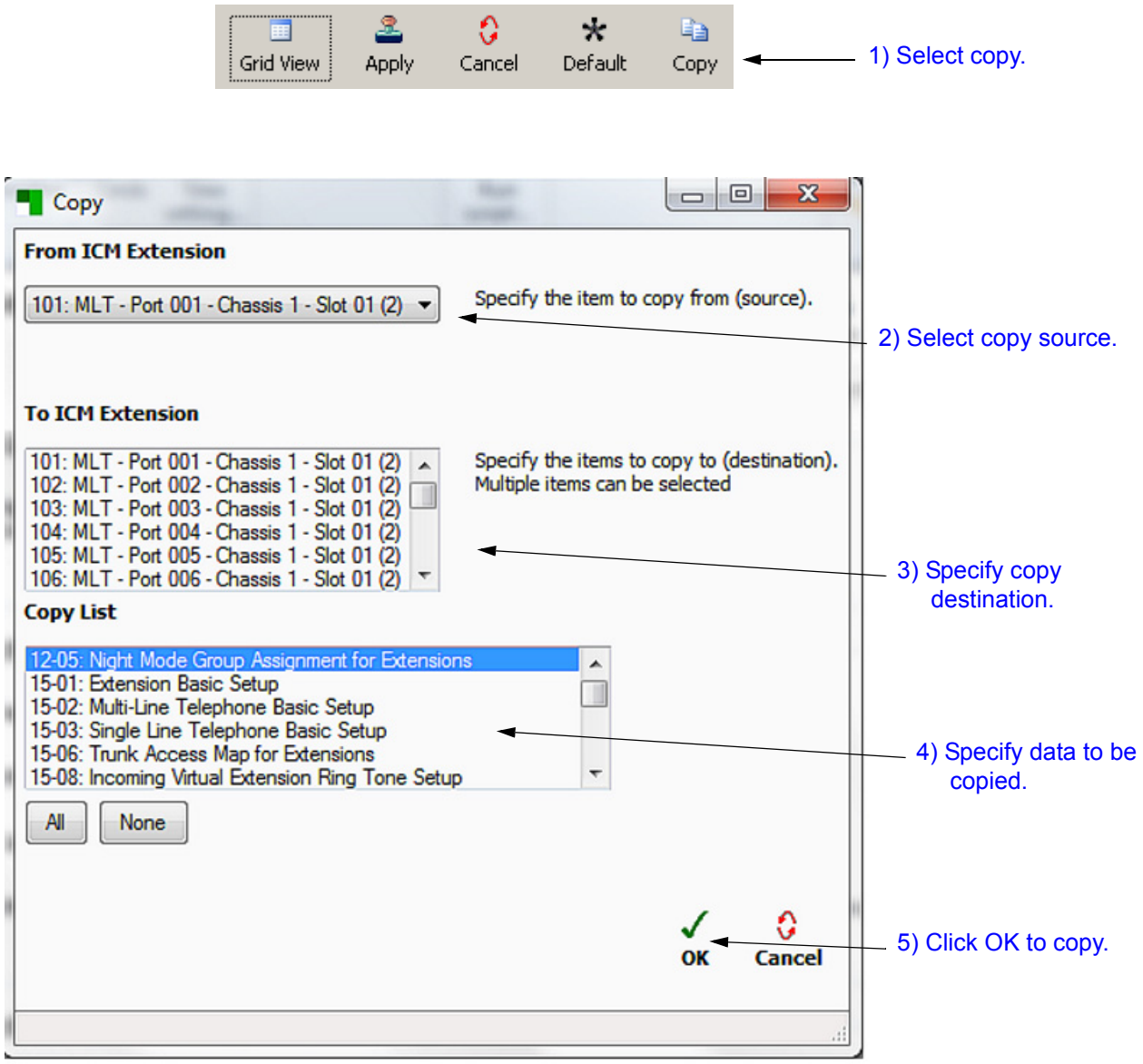


Figure B-2 Overview Copy (Standard Tab)

SECTION 4 COPYING SYSTEM DATA (STANDARD TAB)

✎ *This feature is available on PCPro version 4.0 and higher.*

To copy a system data item:

1. Press the **Copy** button.
2. When the **Copy** dialog box is displayed, specify the source to copy from. The source (**From**) shows the item being copied from. Only a single source item can be selected.
3. Specify elements of the source that you want to copy. These settings are specific to the system data being copied.
4. Specify the destination where you want the elements copied. The destination (**To**) details the item(s) where the selected source information is copied to. Multiple destination items can be selected.
5. Press **OK** to copy the selected items.

SECTION 5 OVERVIEW FILL (MULTIASSIGN-STANDARD TAB)

✎ *This feature is available on PCPro version 4.0 and higher.*

1. Each of the sections below has a “MultiAssign” icon added to the individual screen.

   System/Numbering/Stations

   System/Numbering/Virtual Extensions

   System/Numbering/Department Groups

   Stations/Config/InMail

2. Below is an example of the MultiAssign icon in System/Numbering/Stations.

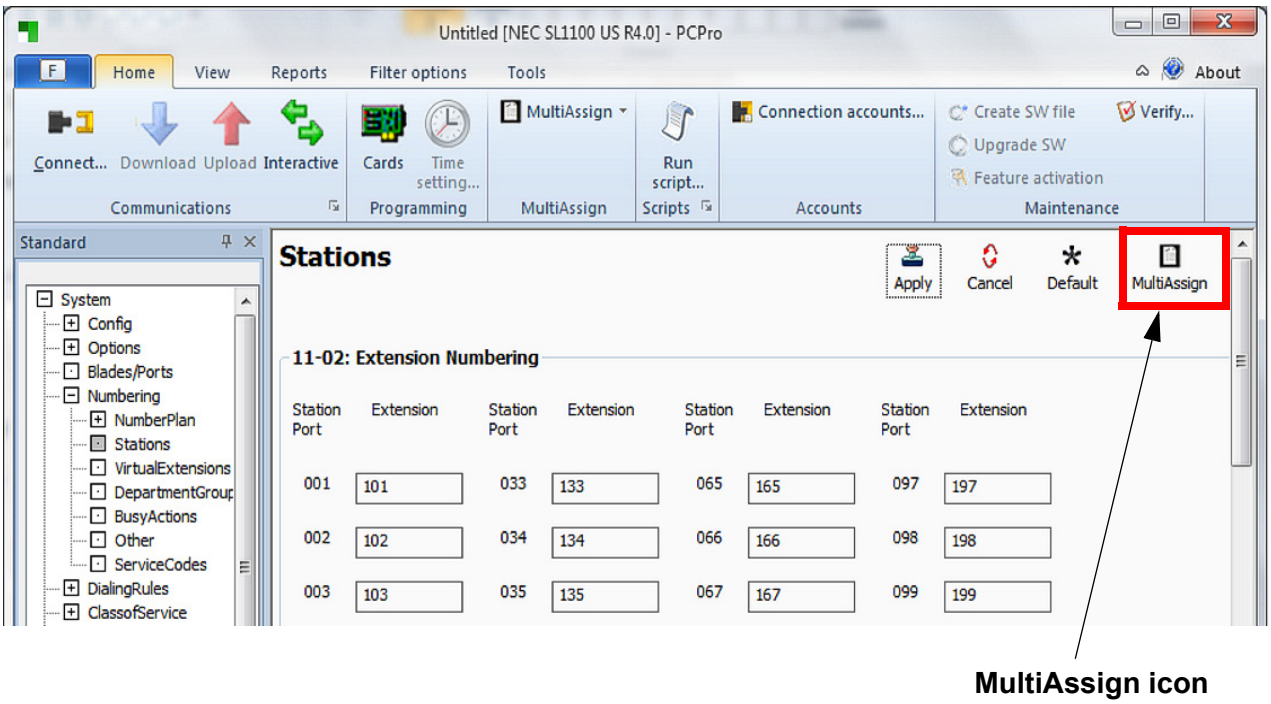


Figure B-3 MultiAssign in System/Numbering/Stations Screen

3. When the new “MultiAssign” icon is pressed in System/Numbering/Stations, a screen similar to the one below will be presented. Note the default ports for extension assignment is 1~128.

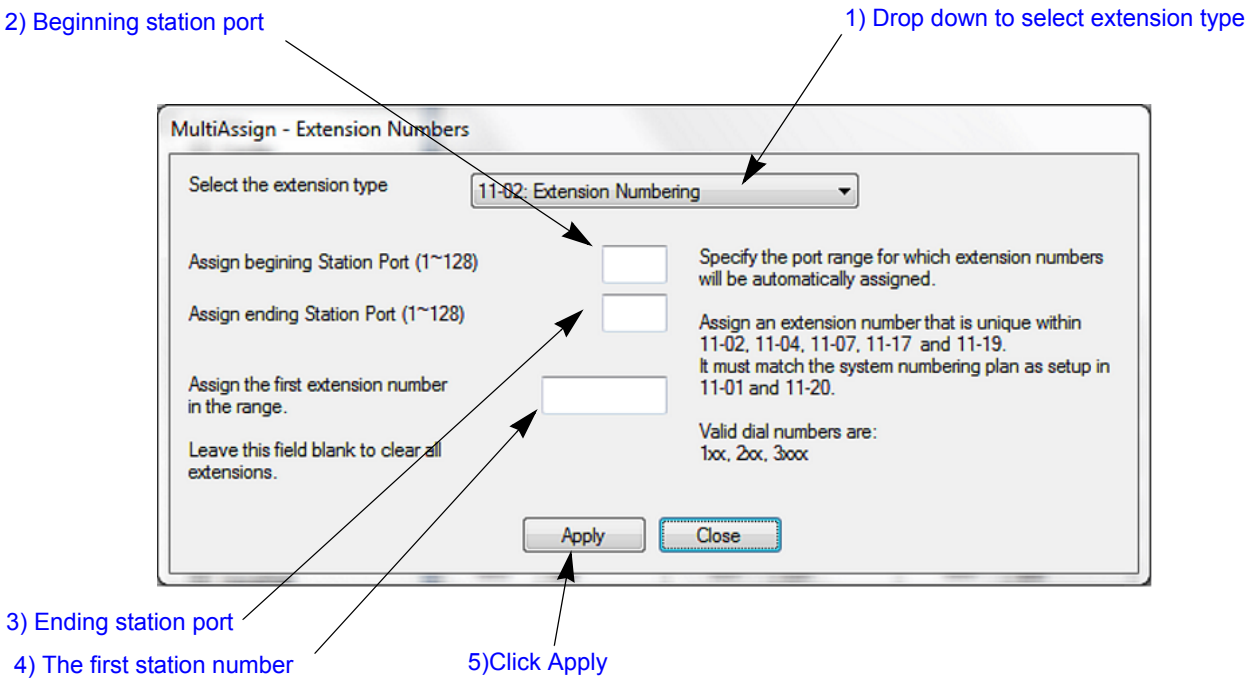


Figure B-4 MultiAssign - Extension Numbers Example

1. Select drop down to select the Extension type.
2. Assign the beginning port number.
3. Assign the ending port number.
4. Assign the first Extension in the range.
5. Click **Apply**.

4. When the MultiAssign icon is pressed from System/Numbering/Virtual Extension the following screen will be presented. Note the default ports for Virtual extension assignment is 1-50. All other assignments are the similar to extension numbering.

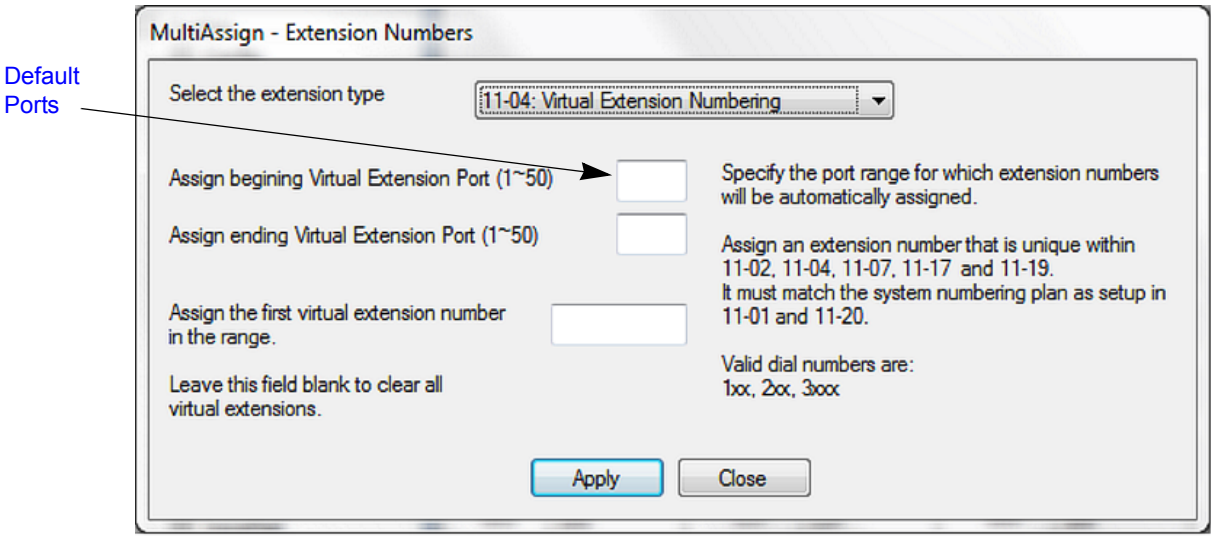


Figure B-5 MultiAssign - Virtual Extension Numbers

5. When the MultiAssign icon is pressed from System/Numbering/Department Groups the following screen will be presented. Note the default ports for Department Group Pilot numbers are 1-32. All other assignments are the similar to extension numbering.

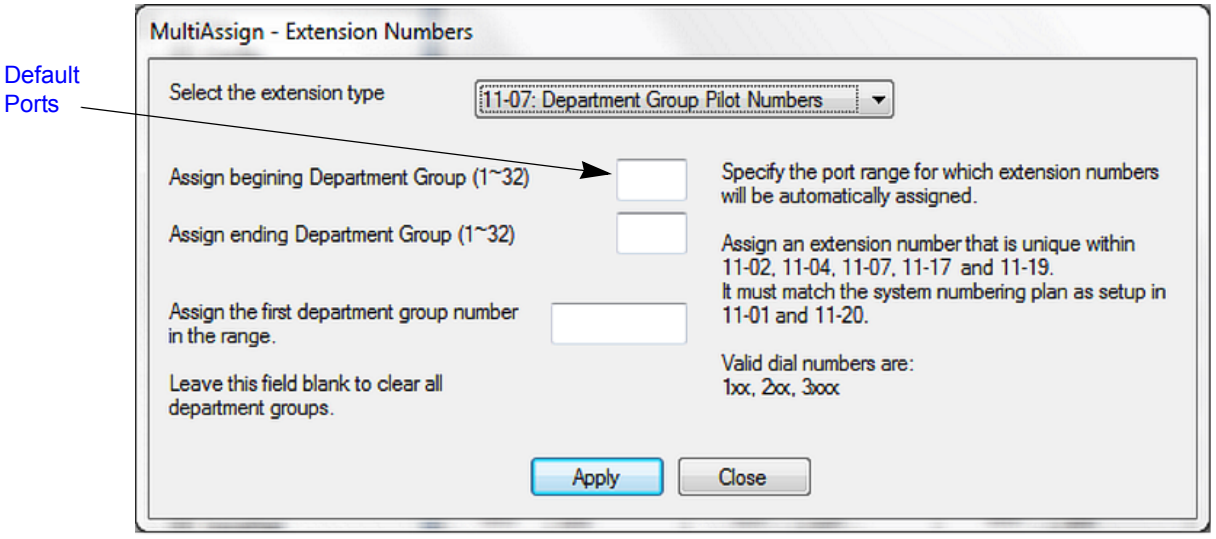


Figure B-6 MultiAssign - Department Group Pilot Numbers

6. When the MultiAssign icon is pressed from Stations/Config/InMail the following screen will be presented. Note the default ports for InMail is 1-128. All other assignments are the similar to extension numbering.

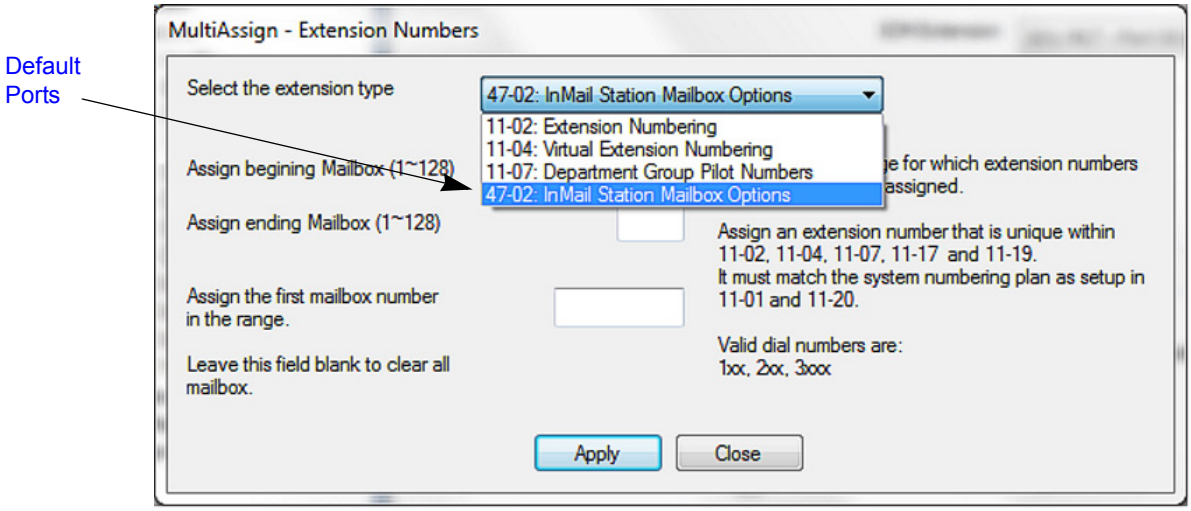


Figure B-7 MultiAssign - InMail Station Mailbox Options

7. When a user is not in the Standards Tab they will be able to use range programming by clicking on the MutliAssign tab on the toolbar in PCPro. Below is an example of where this is on the “Home” toolbar. Select the drop down arrow and you will see Account codes, DID and Extension number.

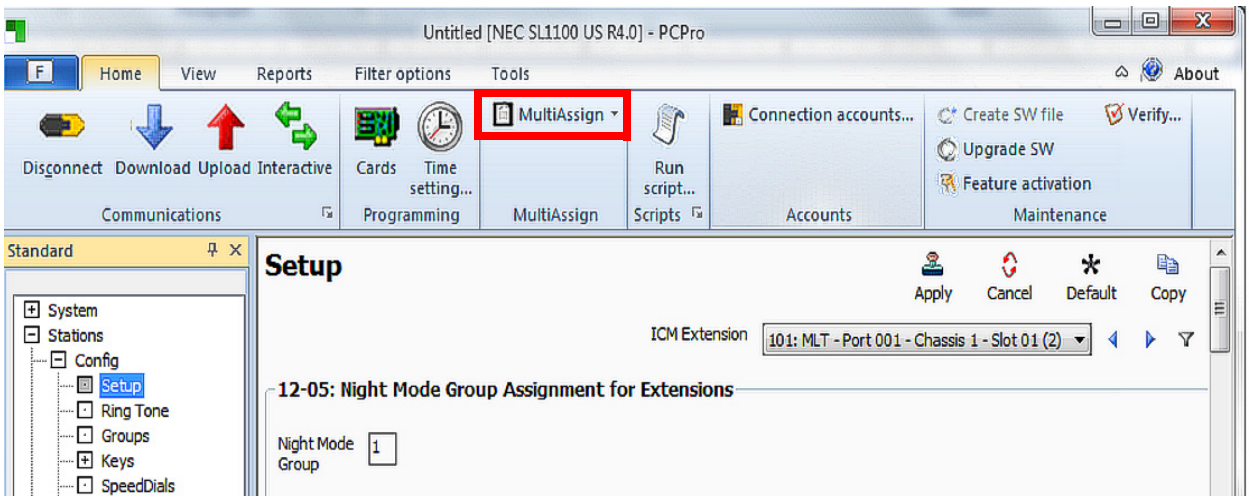


Figure B-8 MultiAssign Tab

8. This new MultiAssign function has the ability to MultiAssign the following items using a drop down selection box:

   - ❑ Account codes
   - ❑ Direct Inward Dial (DID)
   - ❑ Extension numbering

   An example of the account code box is below:

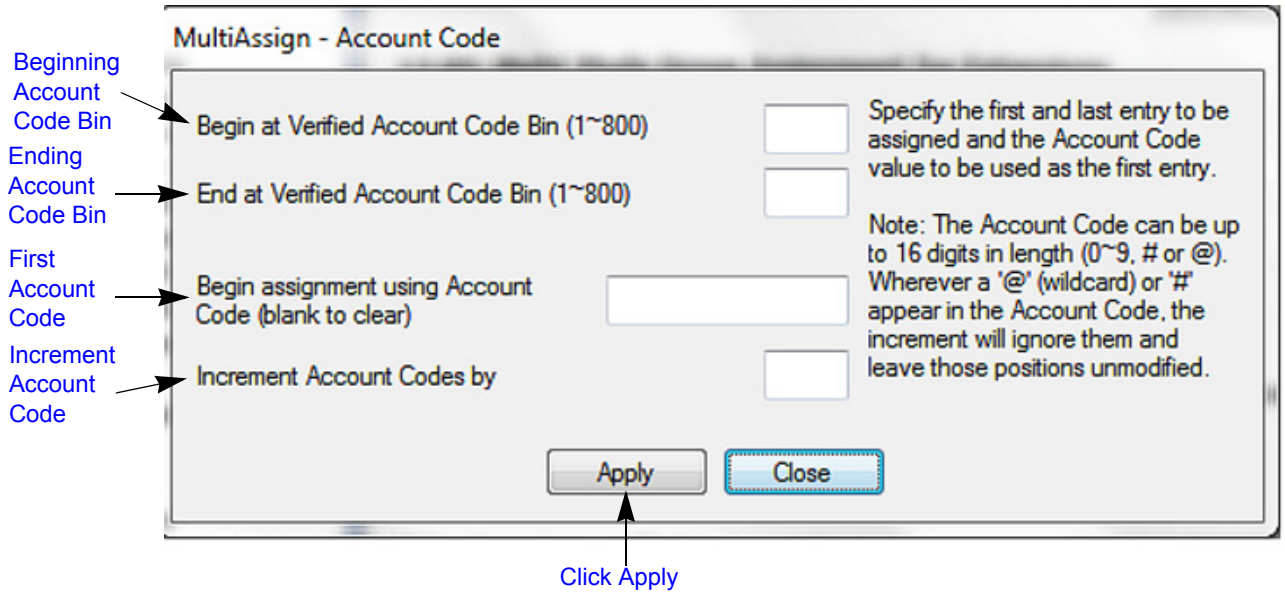


Figure B-9 MultiAssign - Account Code

An example of the Direct Inward Dial is below:

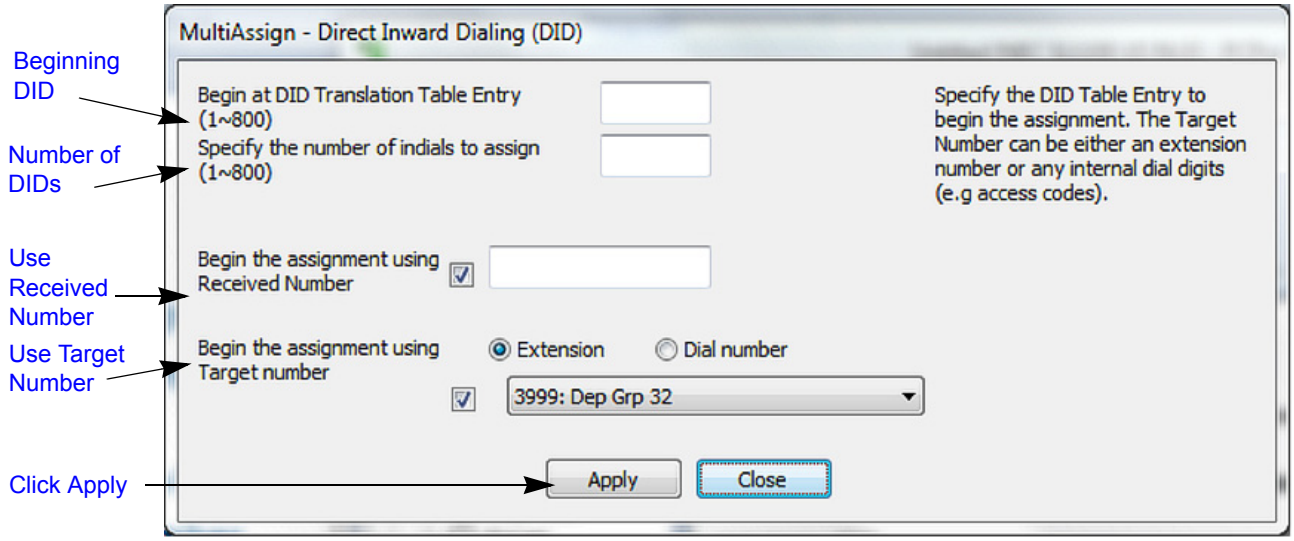


Figure B-10 MultiAssign - Direct Inward Dialing (DID)

9. Below is an example of the extension number drop down, all other settings are the same as the Extension Numbers in the first section.

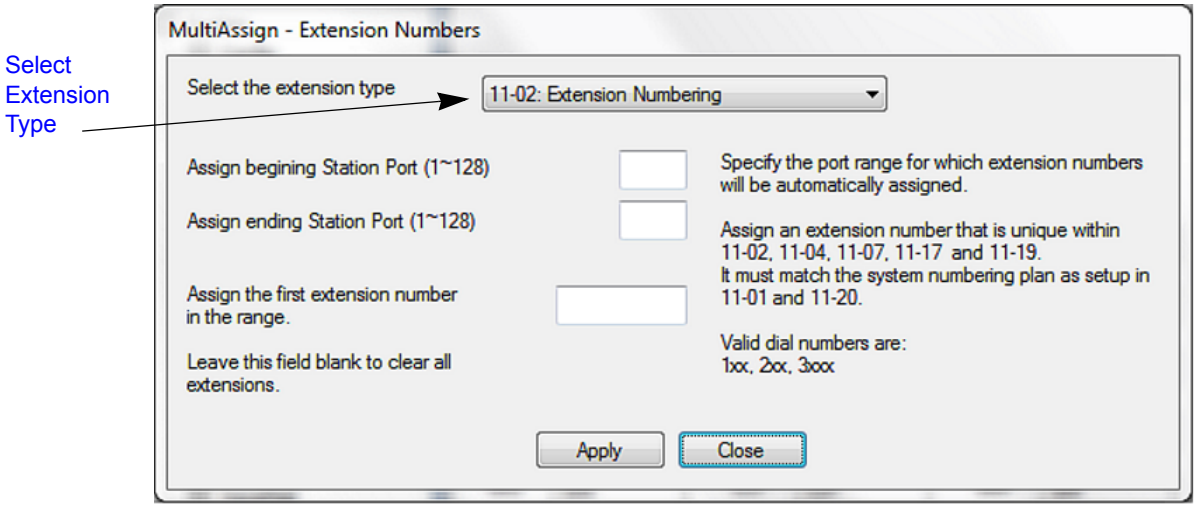


Figure B-11 MultiAssign - Extension Number Type Example

APPENDIX C *Modification History*

SECTION 1 OVERVIEW

PCPro keeps a record of all the modifications made to a database file. This record is known as the Modification History. PCPro also provides you with the ability to view this history list. Following is the list of database operations that PCPro records in the modification history.

<table>
<tr><th>Operation</th><th>Details</th></tr>
<tr><td>System Data Set</td><td>This includes programming performed through:
❍ Standard View Screens
❍ Wizards
❍ System Data Programming
❍ Copy
For each set, an entry is made to the history list. The entry records the following items:

<table>
<tr><th>Field</th><th>Data</th></tr>
<tr><td>Date</td><td>Date and time of operation.</td></tr>
<tr><td>User Name</td><td>The User Name that performed the operation.</td></tr>
<tr><td>Display Name</td><td>The Display Name that performed the operation.</td></tr>
<tr><td>Access Level</td><td>The Access Level that performed the operation.</td></tr>
<tr><td>Type</td><td>Identifies the operation type. Set to “Set Date”.</td></tr>
<tr><td>Modification</td><td>The system data ID.</td></tr>
<tr><td>Details</td><td>The item changed.
Old value.
New value.</td></tr>
</table>
</td></tr>
</table>

The modification history is only saved in the local database when you perform **File Save** or **File Save As**. The modification history is a running list of the changes. PCPro keeps appending to the list. If you open a file, make changes, save and close the file and in the future open the same file and make additional changes, then the new modification history is appended to the old.

The modification state of a PCPro database is indicated via the modification icon on the Status Bar. The different filters are:

	The database is not modified. All data has been saved to file and uploaded.
	System data has been modified and has not been saved to file.
	System data has been saved to file but has not been uploaded.
	System data has been modified and has not been saved to file nor uploaded.

SECTION 2 ACCESSING MODIFICATION HISTORY

To access Modification History, complete one of the following:

- ❑ Select the menu item **Ribbon Item > Reports > Modification History.**

  or…

- ❑ Select the clock icon on the toolbar .

SECTION 3 GENERATING A MODIFICATION HISTORY REPORT

A Modification History Report can be viewed in either HTML format or Comma Separated Variable (CSV) format. Sample formats are shown in Figure C-2 Sample Modification History HTML Format on page C-3 and Figure C-3 Sample Modification History CSV Format on page C-4.

To request a report:

1. Access the report by selecting Modification History from the toolbar or by clicking the clock icon (refer to Section 2 Accessing Modification History).
2. When the **Export Modification History** dialog box is displayed, click either the **HTML** or **CSV** option and press **OK**.

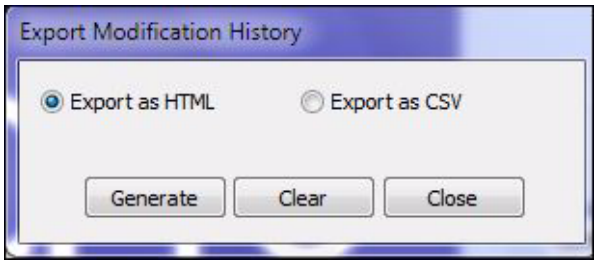


Figure C-1 Export Modification History Dialog Box

3. The report is generated in the format you selected. (Refer to Figure C-2 Sample Modification History HTML Format and Figure C-3 Sample Modification History CSV Format on page C-4).

Modification History - Microsoft Internet Explorer

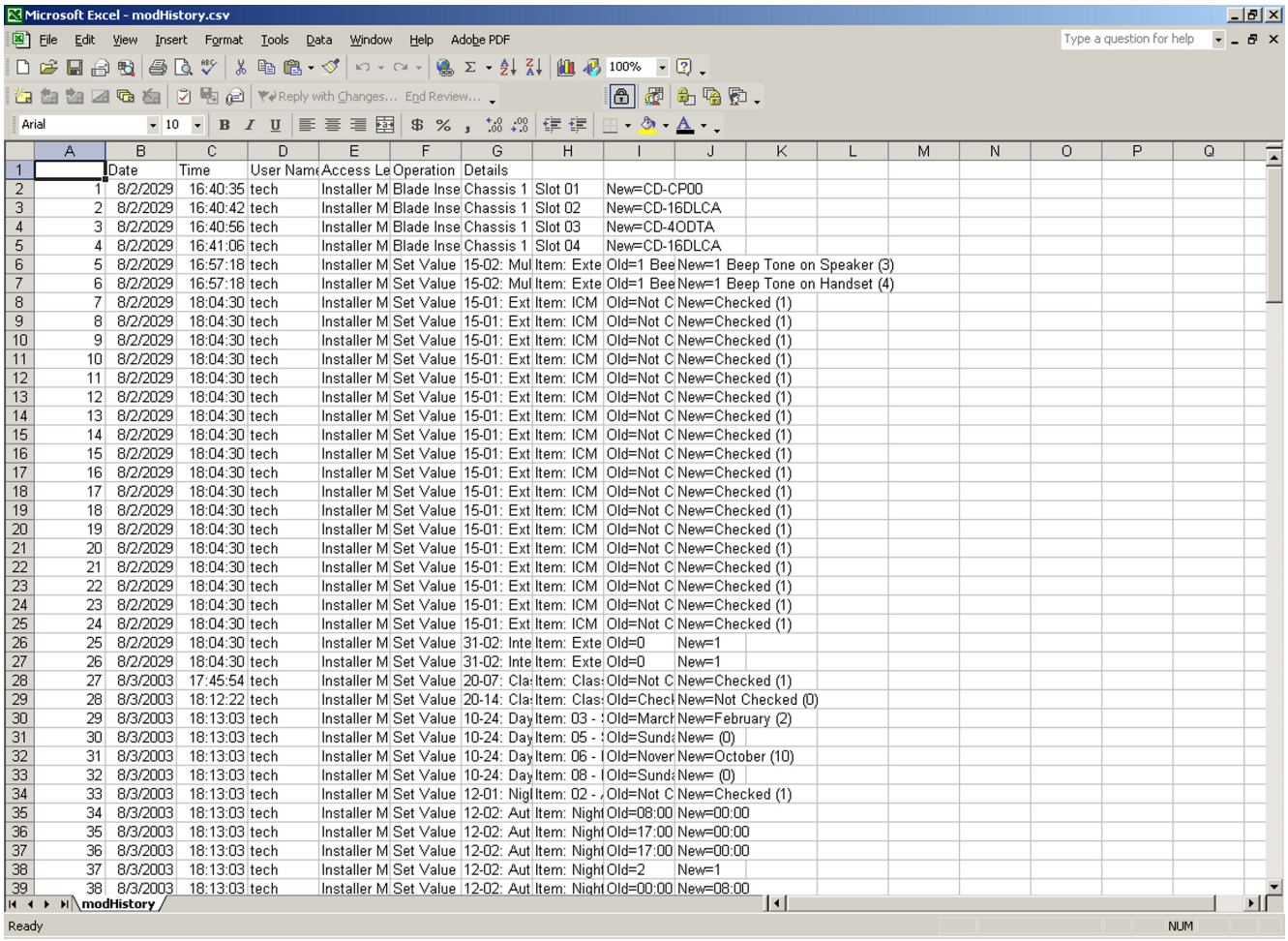
File Edit View Favorites Tools Help

Back Search Favorites

Address C:\Program Files\SV8100 Application Suite\SV8100 PCPro\Reports\modHistory.htm Go Links

	Date	Time	User Name	Access Level	Operation	Details	
1	08/02/29	16:40:35	tech	Installer Mode (IN)	Blade Inserted	Chassis 1, Slot 01, New=CD-CP00	
2	08/02/29	16:40:42	tech	Installer Mode (IN)	Blade Inserted	Chassis 1, Slot 02, New=CD-16DLCA	
3	08/02/29	16:40:56	tech	Installer Mode (IN)	Blade Inserted	Chassis 1, Slot 03, New=CD-4ODTA	
4	08/02/29	16:41:06	tech	Installer Mode (IN)	Blade Inserted	Chassis 1, Slot 04, New=CD-16DLCA	
5	08/02/29	16:57:18	tech	Installer Mode (IN)	Set Value	PRG	15-02: Multi-Line Telephone Basic Setup
						Item	Extension 128, 12 - Off-hook Signaling Type
						Value	Old=1 Beep Tone in Speaker and Handset (5), New=1 Beep Tone on Speaker (3)
6	08/02/29	16:57:18	tech	Installer Mode (IN)	Set Value	PRG	15-02: Multi-Line Telephone Basic Setup
						Item	Extension 132, 12 - Off-hook Signaling Type
						Value	Old=1 Beep Tone in Speaker and Handset (5), New=1 Beep Tone on Handset (4)
7	08/02/29	18:04:30	tech	Installer Mode (IN)	Set Value	PRG	15-01: Extension Basic Setup
						Item	ICM Extension 101, 02 - Automatic Trunk Line Seizure
						Value	Old=Not Checked (0), New=Checked (1)
8	08/02/29	18:04:30	tech	Installer Mode (IN)	Set Value	PRG	15-01: Extension Basic Setup
						Item	ICM Extension 102, 02 - Automatic Trunk Line Seizure
						Value	Old=Not Checked (0), New=Checked (1)
9	08/02/29	18:04:30	tech	Installer Mode (IN)	Set Value	PRG	15-01: Extension Basic Setup
						Item	ICM Extension 103, 02 - Automatic Trunk Line Seizure
						Value	Old=Not Checked (0), New=Checked (1)
10	08/02/29	18:04:30	tech	Installer Mode (IN)	Set Value	PRG	15-01: Extension Basic Setup
						Item	ICM Extension 104, 02 - Automatic Trunk Line Seizure
						Value	Old=Not Checked (0), New=Checked (1)
11	08/02/29	18:04:30	tech	Installer Mode (IN)	Set Value	PRG	15-01: Extension Basic Setup
						Item	ICM Extension 105, 02 - Automatic Trunk Line Seizure
						Value	Old=Not Checked (0), New=Checked (1)

Figure C-2 Sample Modification History HTML Format



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1		Date	Time	User Name	Access Le	Operation	Details										
2	1	8/2/2029	16:40:35	tech	Installer M	Blade Inse	Chassis 1	Slot 01	New=CD-CP00								
3	2	8/2/2029	16:40:42	tech	Installer M	Blade Inse	Chassis 1	Slot 02	New=CD-16DLCA								
4	3	8/2/2029	16:40:56	tech	Installer M	Blade Inse	Chassis 1	Slot 03	New=CD-4ODTA								
5	4	8/2/2029	16:41:06	tech	Installer M	Blade Inse	Chassis 1	Slot 04	New=CD-16DLCA								
6	5	8/2/2029	16:57:18	tech	Installer M	Set Value	15-02: Mul	Item: Exte	Old=1 Bee	New=1 Beep Tone on Speaker (3)							
7	6	8/2/2029	16:57:18	tech	Installer M	Set Value	15-02: Mul	Item: Exte	Old=1 Bee	New=1 Beep Tone on Handset (4)							
8	7	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
9	8	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
10	9	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
11	10	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
12	11	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
13	12	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
14	13	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
15	14	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
16	15	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
17	16	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
18	17	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
19	18	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
20	19	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
21	20	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
22	21	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
23	22	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
24	23	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
25	24	8/2/2029	18:04:30	tech	Installer M	Set Value	15-01: Ext	Item: ICM	Old=Not C	New=Checked (1)							
26	25	8/2/2029	18:04:30	tech	Installer M	Set Value	31-02: Inte	Item: Exte	Old=0	New=1							
27	26	8/2/2029	18:04:30	tech	Installer M	Set Value	31-02: Inte	Item: Exte	Old=0	New=1							
28	27	8/3/2003	17:45:54	tech	Installer M	Set Value	20-07: Cla	Item: Clas	Old=Not C	New=Checked (1)							
29	28	8/3/2003	18:12:22	tech	Installer M	Set Value	20-14: Cla	Item: Clas	Old=Chec	New=Not Checked (0)							
30	29	8/3/2003	18:13:03	tech	Installer M	Set Value	10-24: Day	Item: 03 -	Old=March	New=February (2)							
31	30	8/3/2003	18:13:03	tech	Installer M	Set Value	10-24: Day	Item: 05 -	Old=Sund	New= (0)							
32	31	8/3/2003	18:13:03	tech	Installer M	Set Value	10-24: Day	Item: 06 -	Old=Nover	New=October (10)							
33	32	8/3/2003	18:13:03	tech	Installer M	Set Value	10-24: Day	Item: 08 -	Old=Sund	New= (0)							
34	33	8/3/2003	18:13:03	tech	Installer M	Set Value	12-01: Nig	Item: 02 -	Old=Not C	New=Checked (1)							
35	34	8/3/2003	18:13:03	tech	Installer M	Set Value	12-02: Aut	Item: Night	Old=08:00	New=00:00							
36	35	8/3/2003	18:13:03	tech	Installer M	Set Value	12-02: Aut	Item: Night	Old=17:00	New=00:00							
37	36	8/3/2003	18:13:03	tech	Installer M	Set Value	12-02: Aut	Item: Night	Old=17:00	New=00:00							
38	37	8/3/2003	18:13:03	tech	Installer M	Set Value	12-02: Aut	Item: Night	Old=2	New=1							
39	38	8/3/2003	18:13:03	tech	Installer M	Set Value	12-02: Aut	Item: Night	Old=00:00	New=08:00							

Figure C-3 Sample Modification History CSV Format

APPENDIX D *Connection Accounts*

SECTION 1 OVERVIEW

Connection Accounts provide a convenient way of loading user defined connection settings. These are application wide settings. Connection Accounts can be created in two ways:

- ❑ Via the Connect dialog
- ❑ Via the Connection Accounts dialog

SECTION 2 CREATING/DELETING A CONNECTION ACCOUNT USING THE CONNECT DIALOG

This section describes how to use the Connect dialog to create a new Connection Account or delete an existing Connection Account. (Refer to Figure D-1 Connect DialogCreating/Deleting Connection Account on page D-2.)

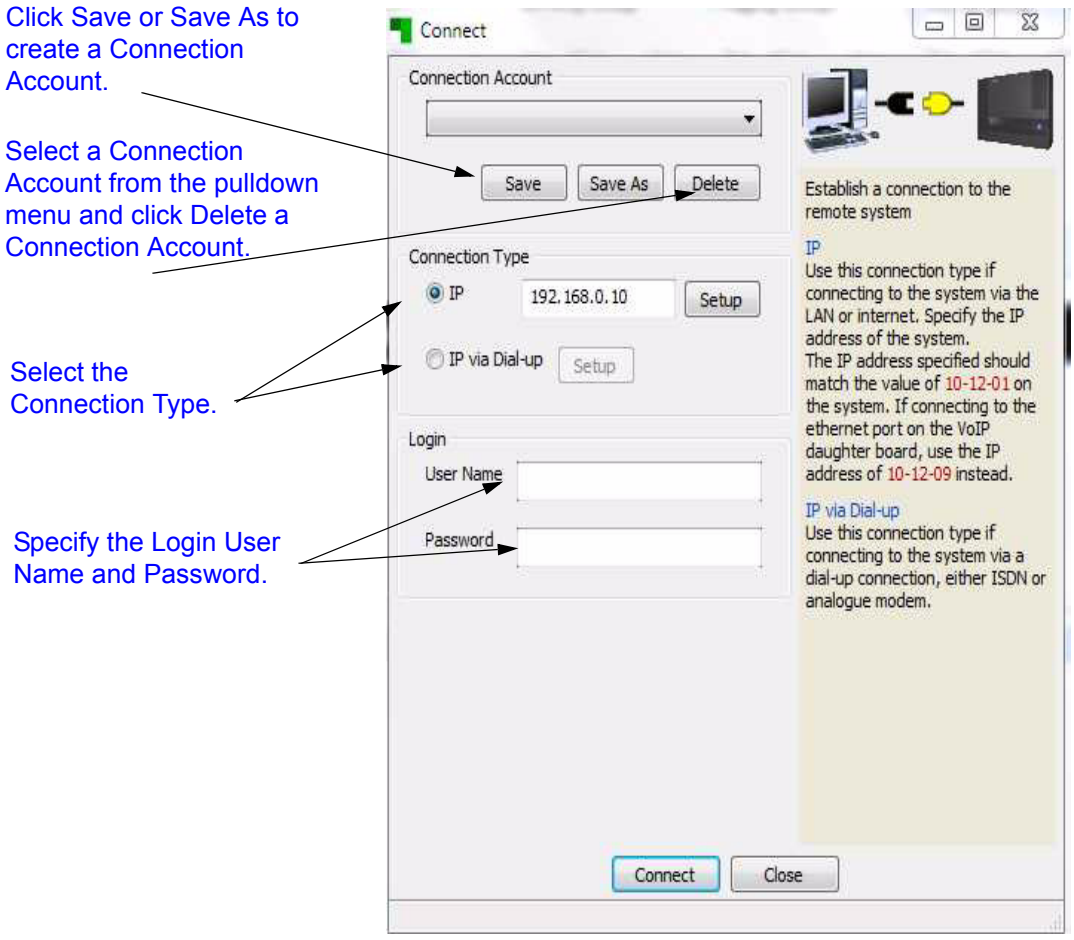


Figure D-1 Connect DialogCreating/Deleting Connection Account

2.1 Creating a New Account

To create an account using Connect dialog:

1. Select a **Connection Type** and specify settings relevant to the Connection Type.
2. Specify the **Login User Name** and **Password** used to allow the connection.
3. Press the **Save** or **Save As** button located in the Connection Account section of the dialog.
4. When the Save As dialog is displayed, enter a description of the connection (refer to Figure D-2 Save As Connection Account Dialog on page D-3.)

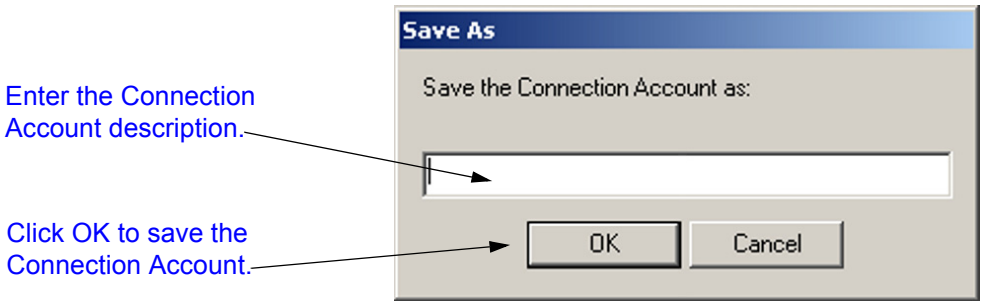


Figure D-2 Save As Connection Account Dialog

5. Press **OK** to save the Connection Account.

2.2 Deleting an Account

An existing Connection Account can be deleted.

To delete an existing account:

1. Select the **Connection Account** from the pulldown menu on the Connect dialog. (Refer to Figure D-1 Connect DialogCreating/Deleting Connection Account on page D-2.)

2. Click the **Delete** button.

SECTION 3 CREATING/MODIFYING/DELETING A CONNECTION ACCOUNT USING THE CONNECTION ACCOUNTS DIALOG

This section describes how to create, modify or delete a Connection Account using the Connection Accounts dialog.

To access the Connection Accounts dialog, select **Tools > Connection Accounts** on the toolbar.

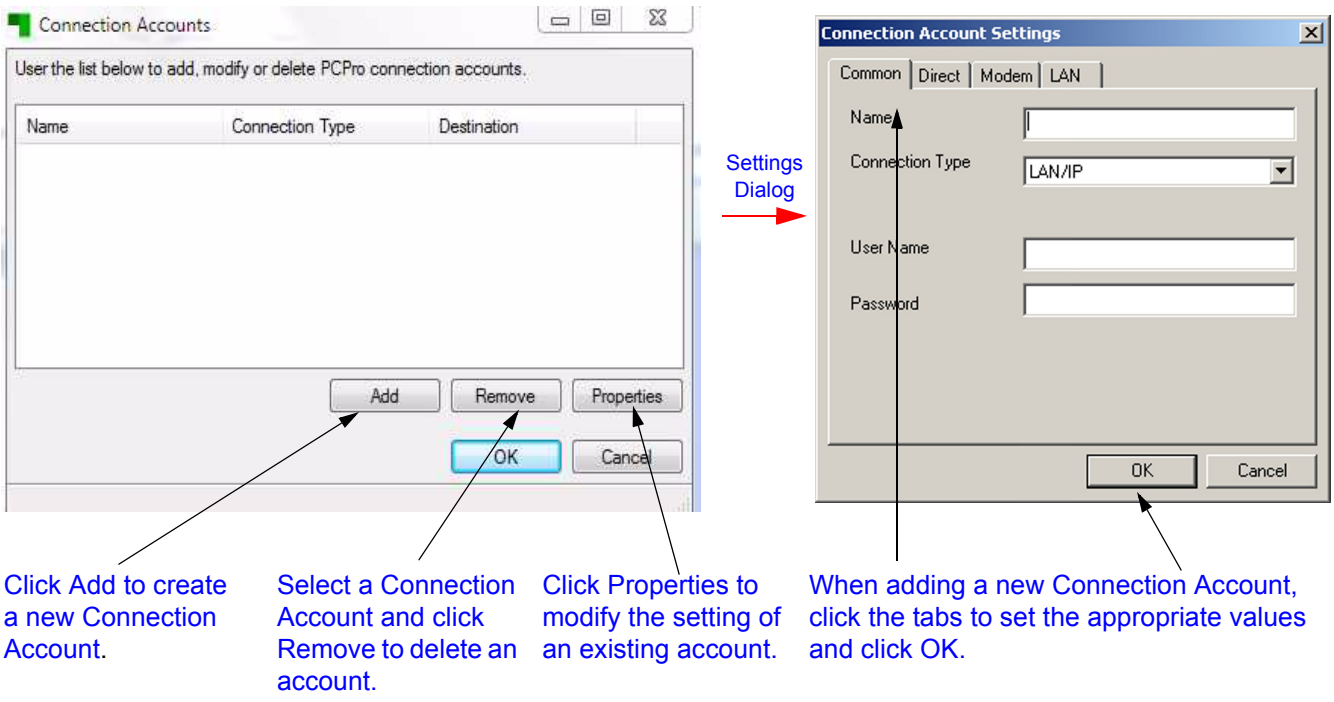


Figure D-3 Connection Account DialogCreating/Modifying/Deleting Connection Account

3.1 Creating a New Account

To create a new Connection Account:

1. Click the **Add** button.
2. When the Connection Account Settings dialog is displayed, enter the account properties.
3. Click **OK** to save the Connection Account.

3.2 Modifying an Existing Account

To modify an existing Connection Account:

1. Select the Connection Account on the Connection Accounts dialog.
2. Click the **Properties** button.
3. When the Connection Account Settings dialog is displayed, change the settings of the selected account.
4. Click **OK** to save the changes to the account.

3.3 Deleting and Existing Account

To delete an existing Connection Account:

1. Select the Connection Account on the Connection Accounts dialog.
2. Click **Remove** to delete the selected account.

-- NOTES --

APPENDIX E Debug Terminal

SECTION 1 OVERVIEW

PCPro provides a debug terminal that can be used to capture trace logs from the CPU-B1 in the chassis. The debug terminal communicates with the chassis via the LAN. A TCP connection on port 5963 is established between the debug terminal and the chassis.

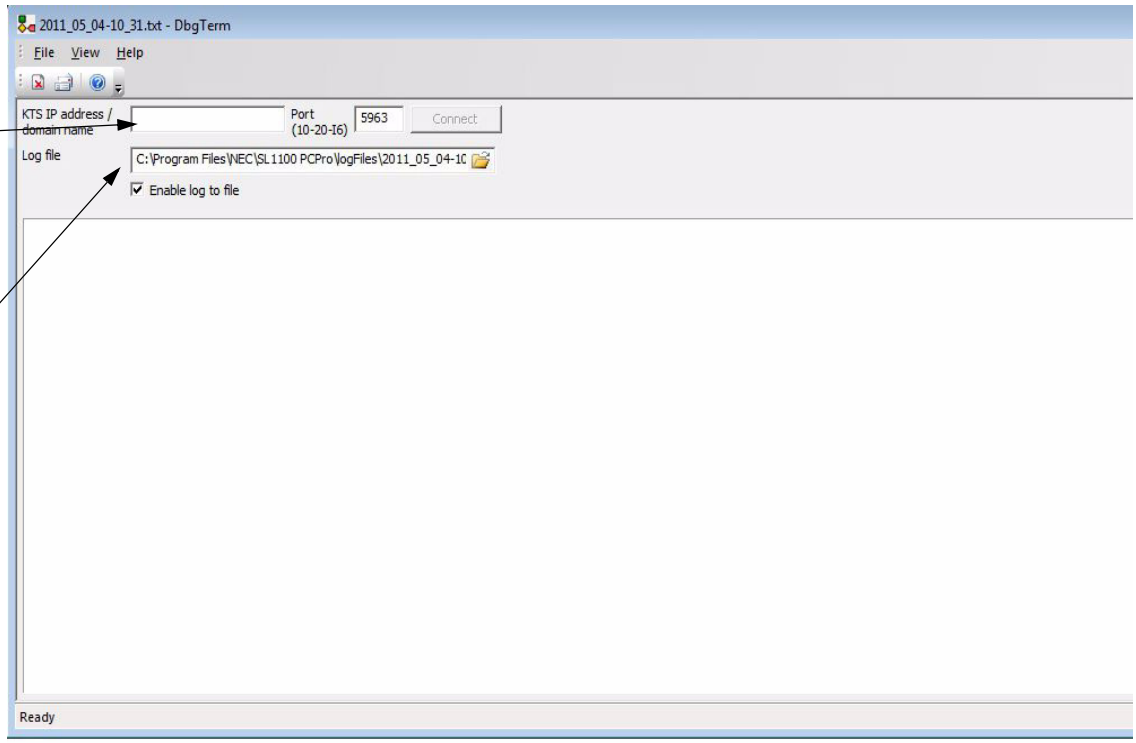


Figure E-1 Debug Terminal Dialogs

SECTION 2 LAUNCHING THE DEBUG TERMINAL

You can launch the debug terminal in one of two ways:

- ❑ Select the menu item **Ribbon item Home > Debug Terminal**.

  or…

- ❑ Click on the DbgTerm icon on the toolbar .

If PCPro is connected via LAN to a chassis, then the debug terminal automatically tries to connect to the same IP address (domain name). Once the debug terminal is running, incoming debug messages from the chassis appear on the screen. You can capture the incoming data to a file by specifying a log file name and enabling the log capture.

Log capture can be enabled or disabled at the your discretion. A message is printed in the log file indicating the date and time the capture was enabled or disabled.

APPENDIX F *Feature Activation*

SECTION 1 INTRODUCTION

There are three methods for activation of features on the CPU-B1: automatic activation via PCPro, manual activation via PCPro and manual activation via WebPro.

SECTION 2 FEATURE ACTIVATION USING PCPRO

Some system features require registration before they can be used. Feature Activation registers these features automatically via the Internet or manually through input of Activation Codes. Feature Activation can only occur when PCPro is connected to a system.

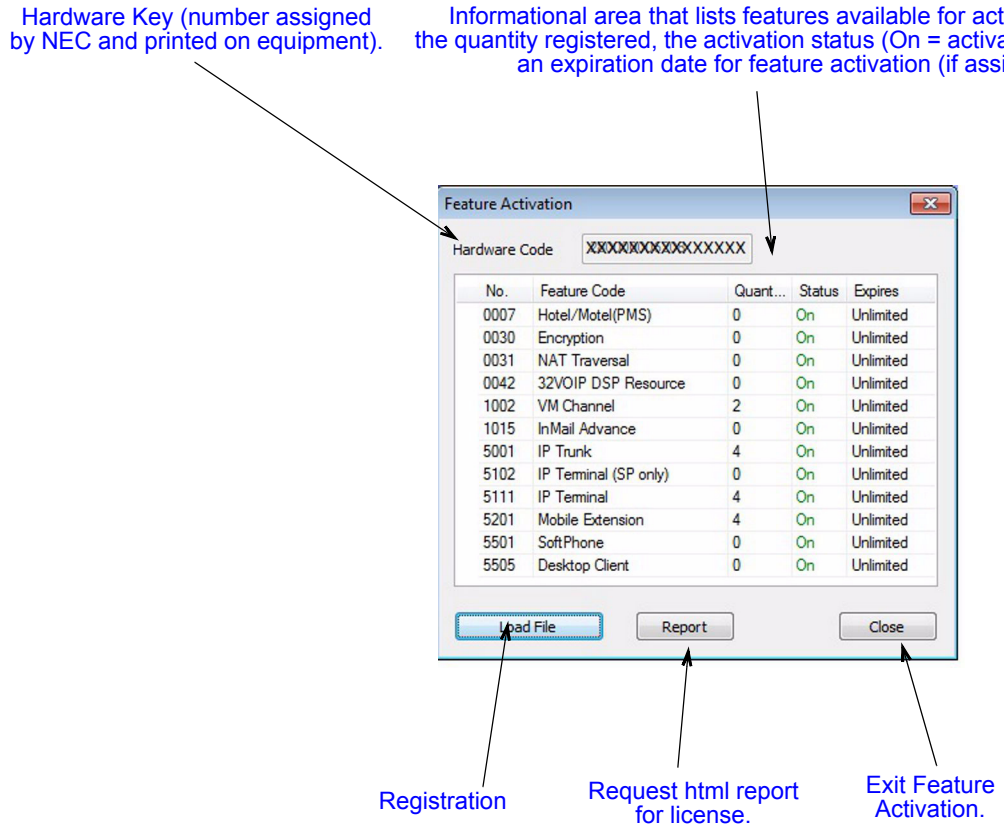


Figure F-1 PCPro Feature Activation Dialog

2.1 Accessing Feature Activation

When PCPro is connected to a chassis, access the Feature Activation dialog by selecting the menu item **Ribbon item Home > Feature Activation**.

2.2 Activating a Feature

The license file contains the Software Code, which is required to activate the feature.

To activate a feature manually:

1. Launch PCPro and access **Feature Activation** (refer to 2.1 Accessing Feature Activation).
2. If connected to the SL1100 system, the Hardware Code is retrieved and displayed.
3. Click **Load File** (refer to Figure F-2 Feature Activation Open File Dialog on page F-3).

   ✎ *This file can reside on the PC or you can copy it to a flash drive to reference if activating other locations.*

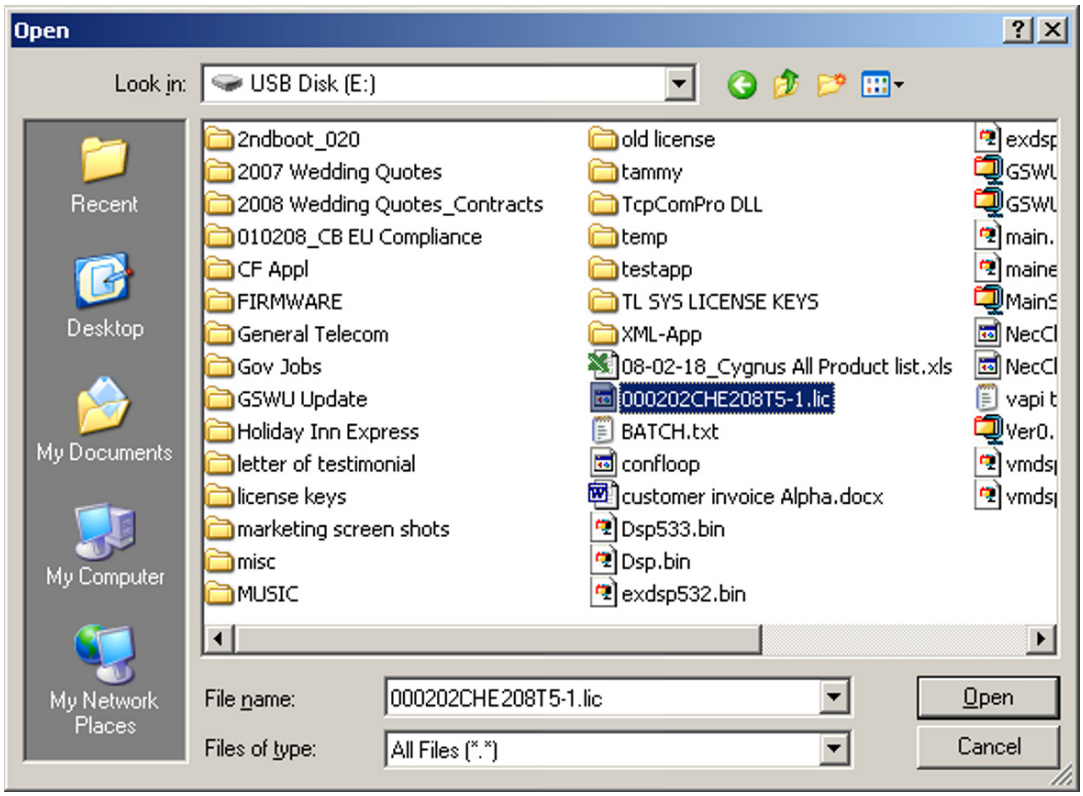


Figure F-2 Feature Activation Open File Dialog

4. When you have located the file (xxxxxxx.lic), select it and click **Open**.

5. When the confirmation dialog is returned, click **Save & upload now** to immediately save the file on the ProPro database and activate the feature (refer to Figure F-2 Feature Activation Open File Dialog).

SECTION 3 FEATURE ACTIVATION USING WEBPRO

WebPro can also be used to manually activate features.

3.1 Manually Activating a Feature

To activate a feature using WebPro, you must have Internet connection.

1. Point your browser at the IP address of the CPU-B1 (set in PRG 10-12-01).

2. When the Home page is displayed, enter the **User Name** and **Password**.

   The default User Name = **sltech** and Password = **12345678**.

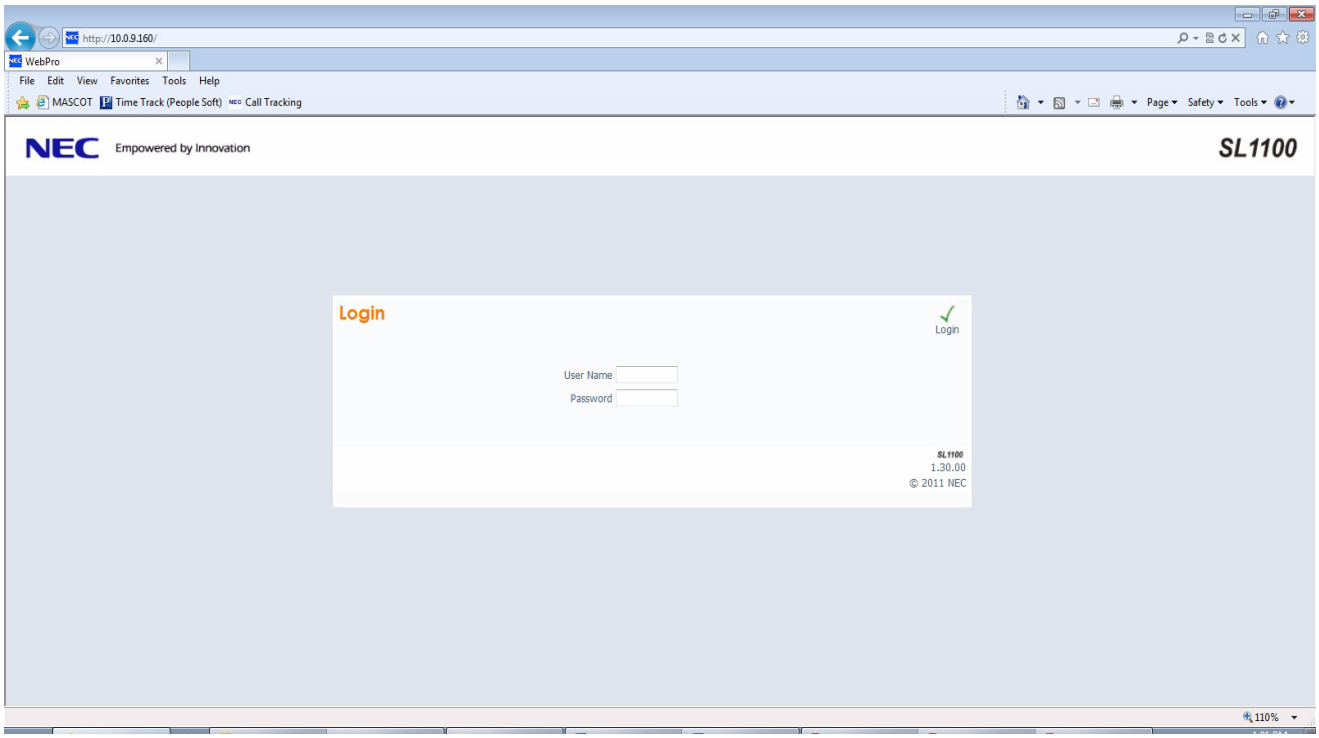
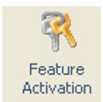


Figure F-3 WebPro Login Screen

3. If login was successful, the WebPro Home page is displayed. Click **Feature Activation**.



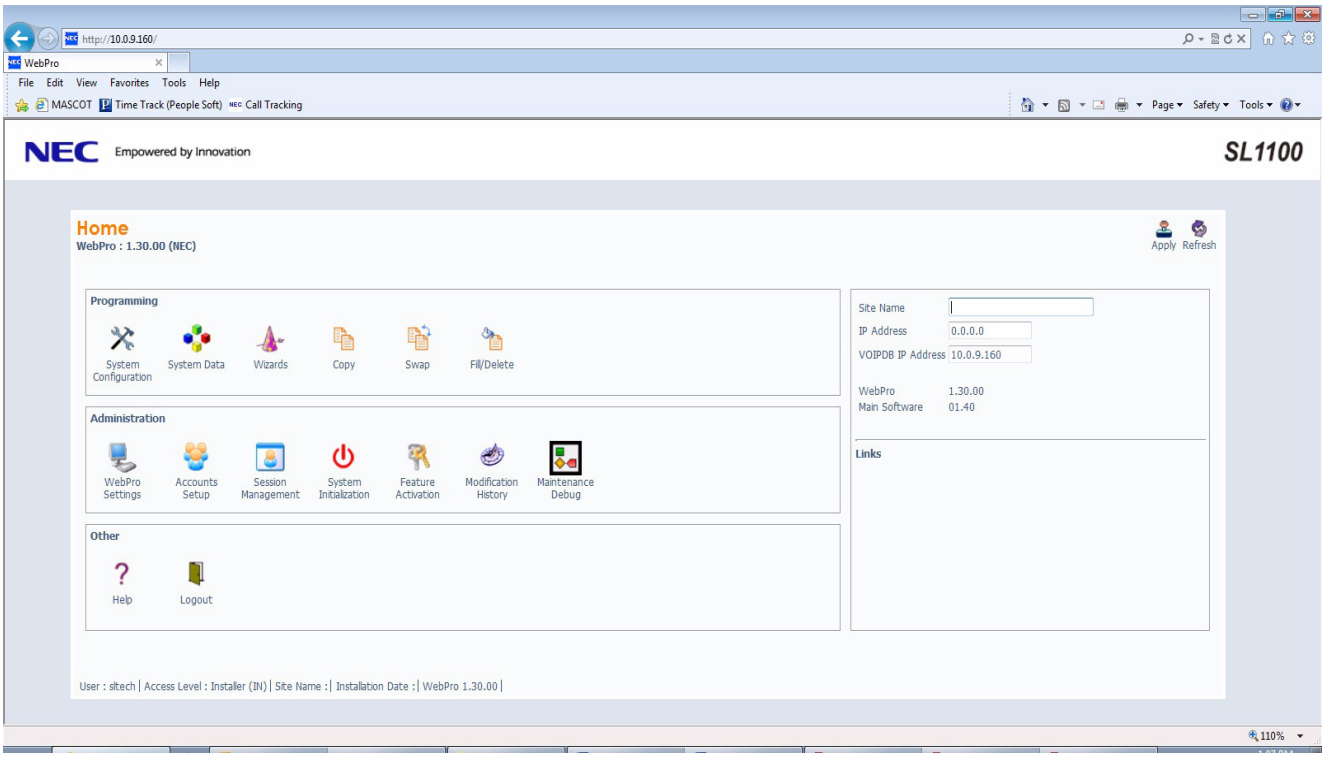


Figure F-4 Feature Activation Screen WebPro Home Page

4. The WebPro License Registration dialog is displayed.

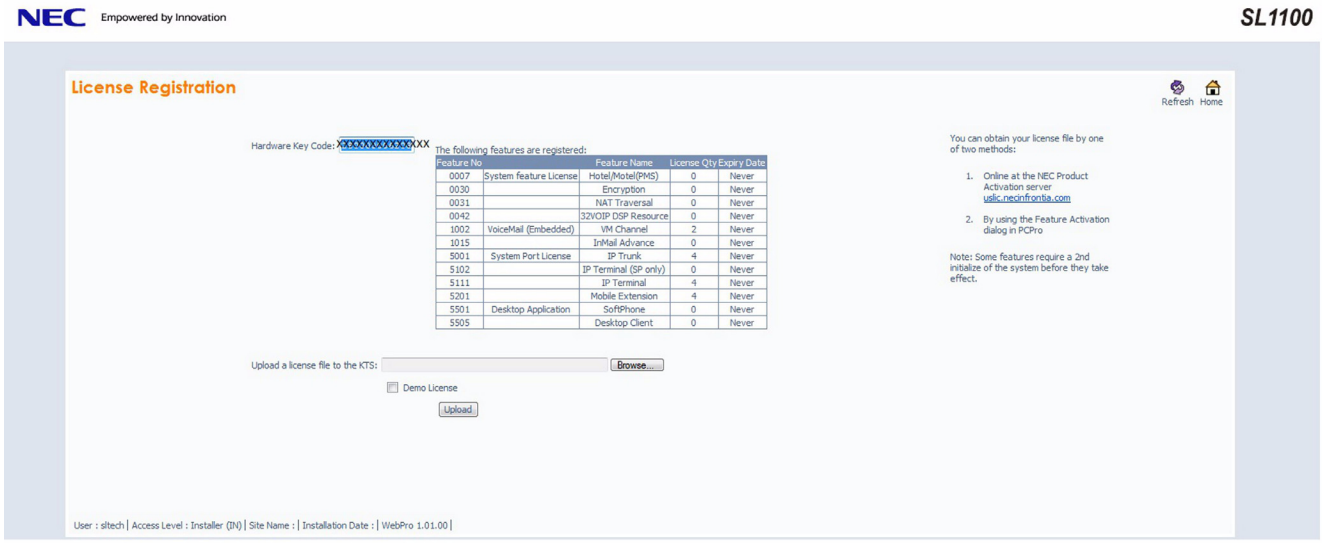


Figure F-5 Feature Activation Screen WebPro Manual Activation

5. If connected to the SL1100 system, the Hardware Code is retrieved and displayed.

6. In the **Upload a license file to the KTS** field, click **Browse** to locate the license file (XXXXXXX.lic).

   ✎ *This file can reside on the PC or you can copy it to a flash drive to reference if activating other locations.).*

7. When the Open dialog is displayed, select the license file and click **Open**. When prompted to proceed, click **Yes**.

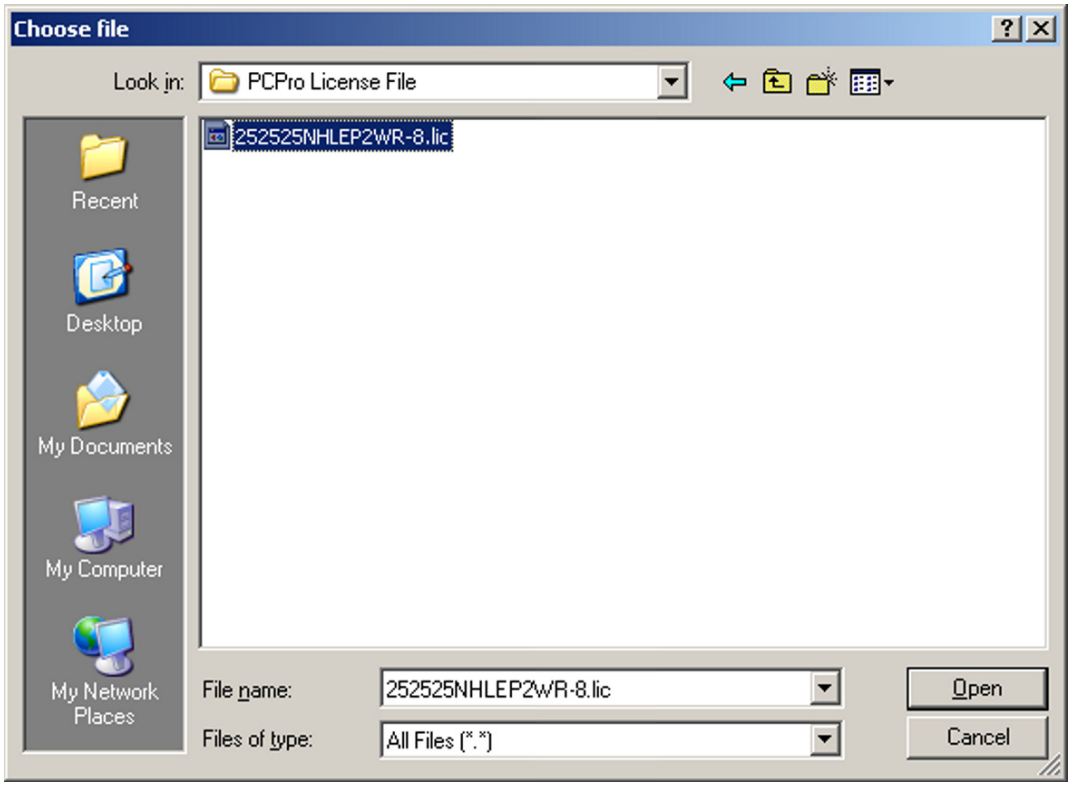


Figure F-6 Feature Activation Open File Dialog WebPro

8. Click **Upload** to retrieve the license file.

APPENDIX G DIM File Download

SECTION 1 OVERVIEW

The DIM File Download feature supports downloading a DIM log file using PCPro. A DIM log file contains operational, system information, and critical information about the system.

SECTION 2 OPERATION

Use the following procedure to download a DIM log file using PCPro.

1. From the PCPro toolbar, select **Tools**> **DIM File Download**. A DIM File Download dialog box appears, Figure G-1 - DIM File Download.

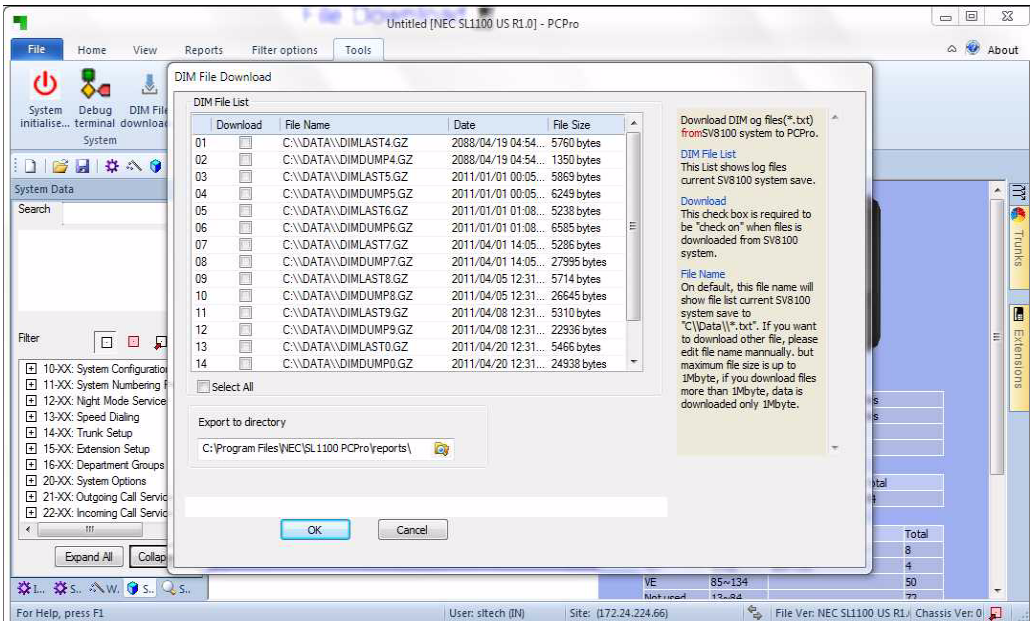


Figure G-1 DIM File Download

✎ *The DIM File Download menu is only available when PCPro is connected to the system.*

When the Download Dialogue runs, PCPro requests file information from "C:\\DATA*.txt"". The Dialog Box displays all existing files with "C:\\DATA*.txt"".

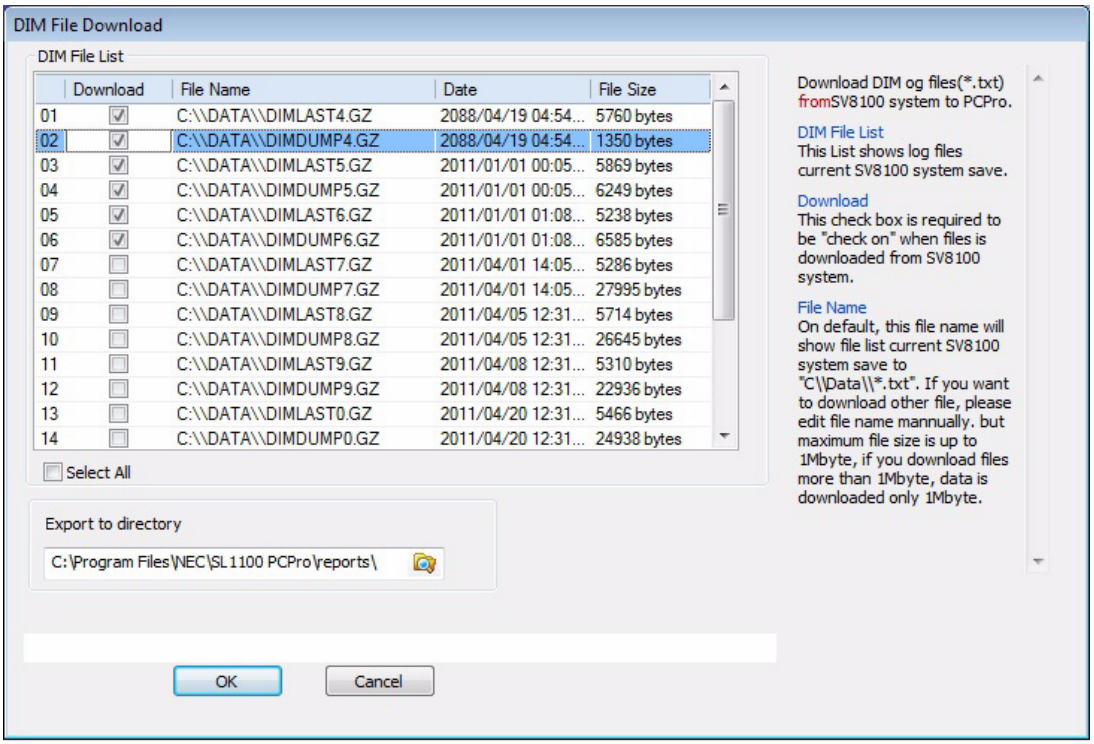


Figure G-2 DIM File Download Dialog Box

2. Check the **Download** box next to the file(s) to download from the system.

3. Click **OK**. PCPro begins downloading the selected file(s) from the system. A status line on the bottom indicates which file is being downloaded at that moment. Refer to Figure G-3 - DIM File Download Status.

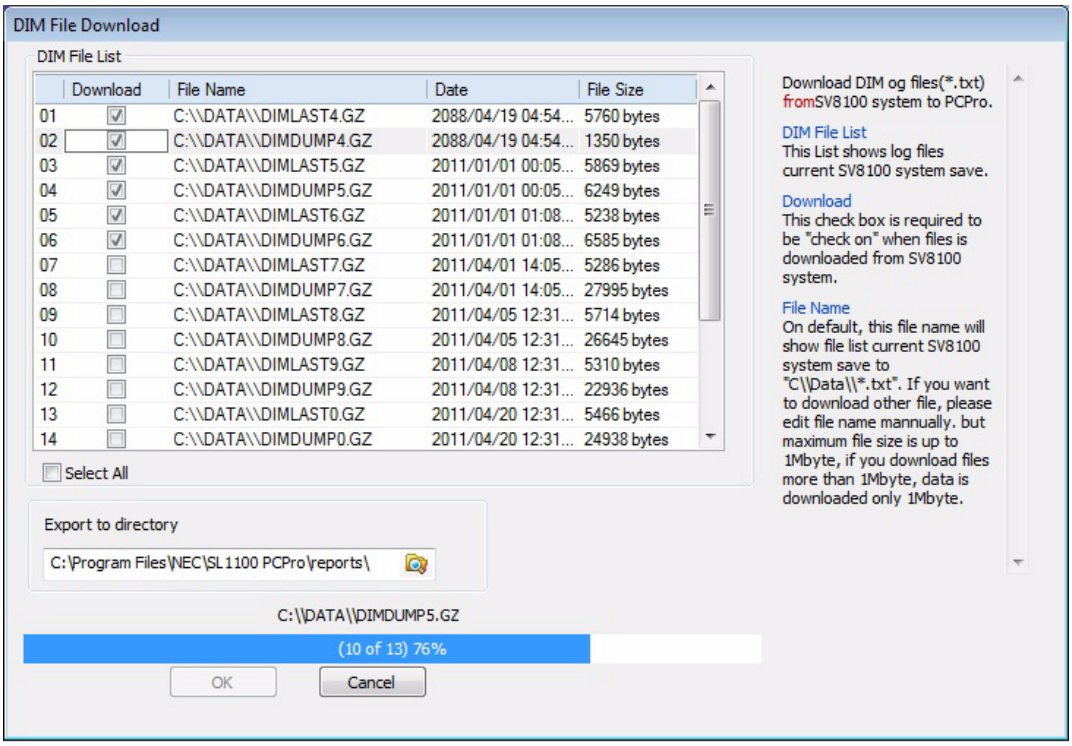


Figure G-3 DIM File Download Status

✎ *Limitation: "The maximum file size that it is available to download with PCPro is 1MB per file. If the file is 1.5MB the first 1MB will download fine but the last 500 KB will not download.*

-- NOTES --

CHAPTER H End User Programming

SECTION 1 END USER PROGRAMMING

WebPro has an End User Login for which extensions can program functions for their own extension. End Users can use End User Programming to program:

- ❑ Function keys
- ❑ Virtual Extension ringing assignment
- ❑ Station Speed Dial
- ❑ InMail features
- ❑ Station Name
- ❑ Call Forwarding
- ❑ Display Language
- ❑ Ring Tone
- ❑ End User Password

To login to the WebPro End User Programming, input the system IP (default: 192.168.0.10) or NetBIOS Address (default: http://SL1100) like you would logging into WebPro. Use the extension number as User Name and Password is assigned in PRG 90-28-01 (default: 1111).

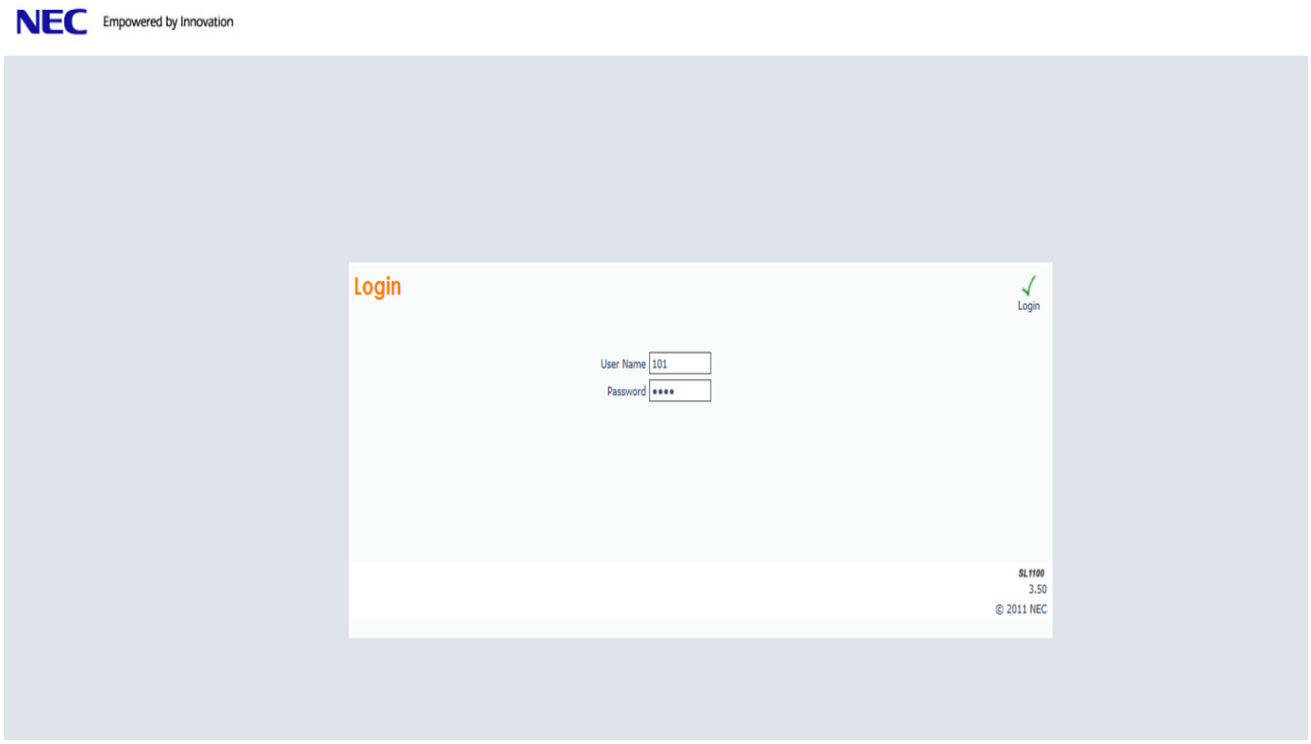


Figure H-1 End User Programming Login Screen

Once logged in, the user can navigate between the program options at the top to configure different options for their extension.

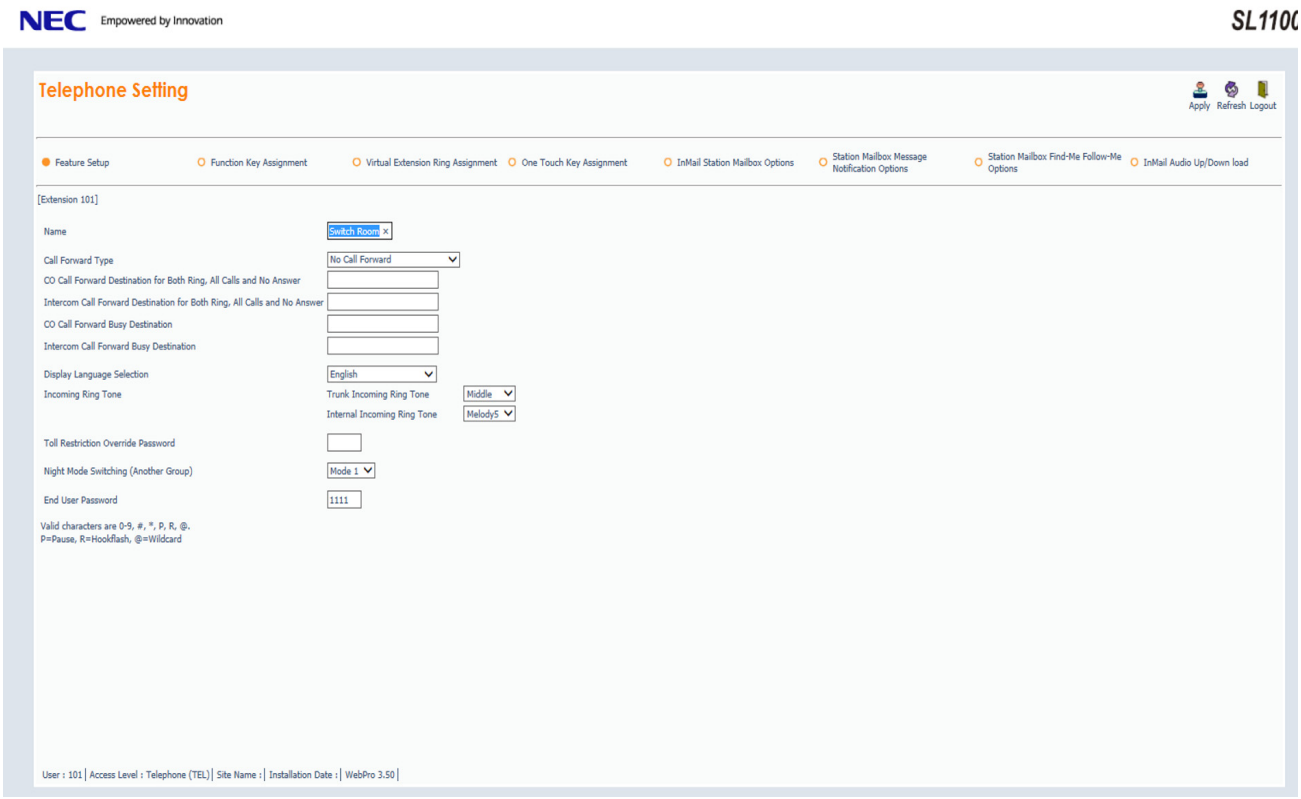


Figure H-2 End User Programming - Telephone Setting

-- NOTES --

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