NOTICE

Note that when converting this document from its original format to a .pdf file, some minor font and format changes may occur. When viewing and printing this document, we cannot guarantee that your specific PC or printer will support all of the fonts or graphics. Therefore, when you view the document, fonts may be substituted and your individual printer may not have the capability to print the document correctly.

NEC

SL1100

PC Programming Manual

NDA-31205
Issue 1.0

NEC Corporation reserves the right to change the specifications, functions, or features at any time without notice.

NEC Corporation has prepared this document for use by its employees and customers. The information contained herein is the property of NEC Corporation and shall not be reproduced without prior written approval of NEC Corporation.

All other brand names and product names referenced in this document are trademarks or registered trademarks of their respective companies.

Copyright 2011

NEC Corporation of America
6535 N. State Highway 161
Irving, TX 75039-2402

Communications Technology Group

TABLE OF CONTENTS

Chapter 1 Introduction

Chapter 2 Installation

Section 1 System Requirements 2-1

Section 2 Default PCPro Accounts 2-2

Section 3 Software Installation 2-3

Section 4 Launching the Application Software 2-9

Section 5 Logging into the Application 2-10

Chapter 3 Application Layout

Section 1 Introduction 3-1

Section 2 Menu 3-2

Section 3 Toolbar 3-2

Section 4 Submenu Area 3-2

Section 5 Workspace 3-3

5.1 Title 3-4

5.2 Subtitle 3-4

5.3 Workspace Buttons 3-4

5.4 Navigation Area 3-6

5.5 Data Area 3-7

5.6 Help Area 3-7

5.7 Status Bar 3-7

Chapter 4 Hardware Settings

2.1 Accessing Intuition Setup View 4-1

Chapter 5 Standard View

Section 1 Overview 5-1

Section 2 Standard View Submenu 5-2

2.1 Accessing Standard View 5-2

2.2 Using a Standard View Screen 5-3

Section 3 Blade Configuration 5-3

3.1 Adding a Blade 5-5

3.2 Removing a Blade 5-5

Section 4 System Installation 5-6

Section 5 Telephone Setup 5-8

Section 6 Class of Service for Telephones 5-11

Section 7 Class of Service for DISA/E&M Tie Lines 5-13

Section 8 Department Groups 5-15

Section 9 DID Translation Table 5-17

Section 10 Night Mode Switching 5-20

10.1 Adding a Time Frame 5-22

10.2 Removing a Time Frame 5-23

10.3 Moving a Time Frame 5-23

10.4 Modifying a Time Frame 5-24

10.5 Time Frame Duration 5-24

10.6 Time Frame Night Mode 5-24

Section 11 Incoming Ring Groups 5-25

Section 12 System Timers 5-26

Section 13 System Timer Classes 5-27

Section 14 Trunk Access Map 5-29

Section 15 Trunk Groups 5-31

Chapter 6 Wizards View

Section 1 Overview 6-1
Section 2 Accessing Wizard View 6-2
Section 3 Searching for a Feature 6-2
Section 4 Programming Levels 6-3
Section 5 Using Wizards 6-4

Chapter 7 System Data View

Section 1 Overview 7-1
Section 2 Accessing System Data View 7-3
Section 3 Searching for a Program 7-4
Section 4 System Data Program Filtering 7-5
Section 5 Using System Data 7-6

Chapter 8 Ribbon Bar and Sliding Panels

Section 1 General description Ribbon bar and Sliding panes 8-1
1.1 Ribbon Bar 8-2
1.2 Sliding pane location 8-4
1.3 Opening Sliding Pane 8-5
1.4 Adjusting sliding pane size 8-6
1.5 Pin and un-pin sliding pane 8-6
1.6 Pinning - Right sliding pane 8-7
1.7 Drag and Drop 8-7
1.8 Context menus 8-8
1.9 Multiple Actions 8-9
Section 2 Default Ribbon Bars 8-11
Section 3 Extension Sliding Pane 8-13

3.1 General Description Of Extension Sliding Pane 8-13
3.2 Extension Ribbon Bar – Pane Options 8-15
3.3 Extension Ribbon Bar - Action 8-19
3.4 Extension Drag and Drop 8-21

Section 4 Trunk Sliding Pane 8-22

4.1 Initial setup of Trunks 8-22
4.2 Trunk Ribbon Bar – Pane Options 8-23

Section 5 DID Sliding Pane 8-28

Section 6 Incoming Ring Groups – Sliding Pane 8-28

6.1 Initial Setup of Incoming Ring Group Sliding Pane 8-28
6.2 Incoming Ring Group Ribbon Bar – Pane Options 8-29
6.3 Incoming Ring Group Ribbon Bar – Actions 8-31
6.4 Incoming Ring Group - Drag And Drop 8-33

Section 7 Department Group Sliding Pane 8-35

7.1 General Description - Department Groups 8-36
7.2 Department Group Ribbon Bar – Pane Options 8-37
7.3 Department Group Ribbon Bar – Actions 8-39
7.4 Department Group - Drag and Drop 8-43

Section 8 Paging Groups Sliding Pane 8-47

8.1 Pane Options – Paging Groups 8-47
8.2 Actions – Paging Groups 8-48
8.3 Drag And Drop 8-48

Section 9 Pick Up Groups Sliding Pane 8-49

9.1 Pane Options – Pick Up Groups 8-49
9.2 Actions – Pick Up Groups 8-50
9.3 Drag And Drop 8-50

Section 10 Park Hold Groups Sliding Pane 8-51

10.1 Pane Options – Park Hold Groups 8-51

10.2 Actions – Park Hold Groups 8-52
10.3 Drag And Drop 8-52

Appendix A Communications

Section 1 Overview A-1
Section 2 Connect/Disconnect A-1
2.1 Accessing Connection Dialog A-1
2.2 Connecting PCPro to the System A-2
2.2.1 Connection Types A-3
2.2.2 Create SL1100 Dial Up Connection A-3
2.2.3 Login A-8
2.3 Disconnecting PCPro from the System A-8
Section 3 Download A-8
3.1 Accessing Download A-8
3.2 Downloading Data from the System to PCPro A-9
3.2.1 Transfer Type A-10
Section 4 Upload A-10
4.1 Accessing Upload A-10
4.2 Uploading Data from PCPro to System Memory A-11
4.2.1 Transfer Type A-12
4.3 Uploading Blade Configuration A-12
Section 5 Feature Activation A-13
5.1 Accessing Feature Activation A-13
5.2 Activating a Feature A-14
Section 6 Firmware Update A-15
6.1 Accessing Firmware Update A-16
6.2 Using Firmware Update A-16
Section 7 System Initialization A-17

7.1 Accessing System Initialization A-17
7.2 2nd Initialization A-17

Appendix B Copy

Section 1 Overview B-1
Section 2 Copying System Data B-2

Appendix C Modification History

Section 1 Overview C-1
Section 2 Accessing Modification History C-2
Section 3 Generating a Modification History Report C-2

Appendix D Connection Accounts

Section 1 Overview D-1
Section 2 Creating/Deleting a Connection Account Using the Connect Dialog D-1
2.1 Creating a New Account D-2
2.2 Deleting an Account D-3
Section 3 Creating/Modifying/Deleting a Connection Account Using the Connection Accounts Dialog D-4
3.1 Creating a New Account D-4
3.2 Modifying an Existing Account D-5
3.3 Deleting and Existing Account D-5

Appendix E Debug Terminal

Section 1 Overview E-1
Section 2 Launching the Debug Terminal E-2

Appendix F Feature Activation

Section 1 Introduction F-1
Section 2 Feature Activation Using PCPro F-1

2.1 Accessing Feature Activation F-2
2.2 Activating a Feature F-2
Section 3 Feature Activation Using WebPro F-4
3.1 Manually Activating a Feature F-4
Appendix G DIM File Download
Section 1 Overview G-1
Section 2 Operation G-1

THIS PAGE INTENTIONALLY LEFT BLANK

LIST OF FIGURES

Figure 2-1 InstallShield Wizard Welcome Screen 2-3
Figure 2-2 InstallShield Wizard Destination Folder (Default Location) 2-4
Figure 2-3 InstallShield Wizard Destination Folder (Change Location) 2-5
Figure 2-4 InstallShield Wizard Begin Installation 2-6
Figure 2-5 InstallShield Wizard Installation Progress 2-7
Figure 2-6 InstallShield Wizard Finish Installation 2-8
Figure 2-7 SL1100 PCPro Desktop Shortcut 2-9
Figure 2-8 InstallShield Wizard Launch Software 2-9
Figure 2-9 PCPro Login Screen 2-10
Figure 2-10 PCPro Main Menu 2-11
Figure 3-1 PCPro Application Layout 3-1
Figure 3-2 PCPro Toolbar 3-2
Figure 3-3 PCPro Workspace 3-3
Figure 3-4 PCPro Navigation Buttons 3-6
Figure 3-5 PCPro Status Bar 3-7
Figure 4-1 Intuition Setup 4-1
Figure 4-2 Intuition Mode Setup Page 1 4-2
Figure 4-3 Intuition Mode Setup Page 2 4-3
Figure 4-4 Intuition Mode Setup Page 3 4-4
Figure 4-5 Intuition Mode Setup Page 4 4-5
Figure 4-6 Intuition Mode Page 4 (Terminal) 4-6
Figure 4-7 Intuition Mode Page 4 (Package) 4-6

Figure 4-8 Intuition Mode Page 4 (Digital Terminal) 4-7
Figure 4-9 Intuition Mode Setup Page 5 (Multiline Terminals) 4-8
Figure 4-10 Intuition Mode Page 4 (Single Line Telephone Setup) 4-9
Figure 4-11 Intuition Mode Page 5 (Single Line Telephone Setup) 4-10
Figure 4-12 Intuition Mode Page 4 (Analog Trunks Setup) 4-11
Figure 4-13 Intuition Mode Page 5 (Analog Trunks Setup) 4-12
Figure 4-14 Intuition Mode Page 4 (ISDN PRI Trunk Setup) 4-13
Figure 4-15 Intuition Mode Page 5 (ISDN PRI Trunk Setup) 4-14
Figure 4-16 Intuition Mode Page 5 (ISDN PRI Trunk (T1)Setup) 4-15
Figure 4-17 Intuition Mode Page 5 (ISDN PRI Trunk (T1)Setup) 4-16
Figure 4-18 Intuition Mode Page 4 (SIP Trunk Setup) 4-17
Figure 4-19 Intuition Mode Page 5 (SIP Trunk Setup) 4-18
Figure 4-20 Intuition Mode Page 4 (DSS Console Setup) 4-20
Figure 4-21 Intuition Mode Page 5 (DSS Console Setup) 4-21
Figure 4-22 Intuition Mode Page 4 (Doorphone Setup) 4-22
Figure 4-23 Intuition Mode Page 5 (Doorphone Setup) 4-23
Figure 4-24 Intuition Mode Page 4 (Music on Hold Setup) 4-24
Figure 4-25 Intuition Mode Page 5 (Music on Hold Setup) 4-25
Figure 4-26 Intuition Mode Page 4 (Background Music Setup) 4-26
Figure 4-27 Intuition Mode Page 5 (Background Music Setup) 4-27
Figure 4-28 Intuition Mode Page 4 (InMail Setup) 4-28
Figure 4-29 Intuition Mode Page 5 (InMail Setup) 4-29
Figure 4-30 Intuition Mode Page 4 (CPU Network Setup) 4-30
Figure 4-31 Intuition Mode Page 5 (CPU Network Setup) 4-31
Figure 4-32 Intuition Mode Page 4 (External Paging Setup) 4-32

Figure 4-33 Intuition Mode Page 4 (External Paging Setup) 4-33
Figure 5-1 Standard View Submenu 5-1
Figure 5-2 Selecting a Standard View Screen 5-2
Figure 5-3 Standard View Blade Configuration Screen 5-4
Figure 5-4 Standard View System Installation 5-6
Figure 5-5 Standard View Telephone Setup 5-8
Figure 5-6 Standard View Telephone Setup MultiAssign Dialog 5-10
Figure 5-7 Standard View Class of Service for Telephones 5-11
Figure 5-8 Standard View Class of Service for DISA/E&M Tie Lines 5-13
Figure 5-9 Standard View Department Groups 5-15
Figure 5-10 Standard View DID Translation Table 5-17
Figure 5-11 Standard View DID Table Area Edit Popups 5-18
Figure 5-12 Standard View Night Mode Switching 5-20
Figure 5-13 Standard View Night Mode Switching Adding Time Frame 5-22
Figure 5-14 Standard View Night Mode Switching Mode Colors 5-23
Figure 5-15 Standard View Incoming Ring Groups 5-25
Figure 5-16 Standard View System Timers 5-26
Figure 5-17 Standard View System Timer Classes 5-27
Figure 5-18 Standard View Trunk Access Map 5-29
Figure 5-19 Standard View Trunk Groups 5-31
Figure 6-1 Wizard Submenu 6-1
Figure 6-2 Wizard Programming 6-4
Figure 7-1 System Data Submenu 7-2
Figure 7-2 System Data Programming 7-6
Figure 8-1 Default PCPro Screen 8-1

Figure 8-2 Ribbon Bar - File 8-2
Figure 8-3 Ribbon Bar - Home 8-2
Figure 8-4 Ribbon Bar - View 8-2
Figure 8-5 Ribbon Bar - Reports 8-2
Figure 8-6 Ribbon Bar - Filter Options 8-3
Figure 8-7 Ribbon Bar - Tools 8-3
Figure 8-8 Sliding Panels - Along Bottom of Panel 8-4
Figure 8-9 Sliding Panels - Along Right Side of Panel 8-4
Figure 8-10 Opening Sliding Panels 8-5
Figure 8-11 Opening Sliding Panels (Continued) 8-5
Figure 8-12 Adjusting Sliding Panel Size 8-6
Figure 8-13 Adjusting Sliding Panel Size 8-6
Figure 8-14 Pin Location 8-6
Figure 8-15 Un-Pin Location 8-6
Figure 8-16 Pinning - Right Sliding Pane 8-7
Figure 8-17 Default View - Pane Options 8-8
Figure 8-18 Actions Options 8-8
Figure 8-19 Multiple Actions 8-9
Figure 8-20 Updating Sliding Panel Page 8-10
Figure 8-21 Updating Sliding Panel Page 8-10
Figure 8-22 Updating Sliding Panel Page 8-11
Figure 8-23 Ribbon Bar - Home 8-11
Figure 8-24 Ribbon Bar - View 8-12
Figure 8-25 Ribbon Bar - Reports 8-12
Figure 8-26 Ribbon Bar - Filter Options 8-12

Figure 8-27 Pin Extension Pane 8-13
Figure 8-28 Physical/Virtual Tabs 8-13
Figure 8-29 Physical Extension Tab 8-14
Figure 8-30 Virtual Extension Tab 8-14
Figure 8-31 Extensions Sliding Pane 8-15
Figure 8-32 Large Icons 8-15
Figure 8-33 Icon Details 8-16
Figure 8-34 Small Icons 8-16
Figure 8-35 List Icons 8-17
Figure 8-36 Titles Icons 8-17
Figure 8-37 Small Icons 8-18
Figure 8-38 Extension Ribbon Bar - Action (Grayed Out) 8-19
Figure 8-39 Extension Ribbon Bar - Action (Highlighted) 8-19
Figure 8-40 Copy & Paste Tab 8-20
Figure 8-41 Adding Extensions to Groups 8-21
Figure 8-42 Setting Up Trunks 8-22
Figure 8-43 Trunk Ribbon Bar - Panel Option 8-23
Figure 8-44 View Trunk Pane 8-23
Figure 8-45 Details View 8-24
Figure 8-46 Show Pane 8-25
Figure 8-47 Filter Trunk On Pane 8-25
Figure 8-48 Auto Night Service Filter Pane 8-26
Figure 8-49 Auto Night Service Filter Pane (Date/Time) 8-26
Figure 8-50 Manual Night Service Filter Pane 8-27
Figure 8-51 Auto Night Service Filter Pane (Date/Time) 8-27

Figure 8-52 DID Sliding Pane 8-28
Figure 8-53 Incoming Ring Group Sliding Pane 8-28
Figure 8-54 Incoming Ring Group Pane Options - View 8-29
Figure 8-55 Incoming Ring Group Pane Options- Large Icons 8-29
Figure 8-56 Incoming Ring Group Pane Options - Details 8-30
Figure 8-57 Incoming Ring Group Pane Options - Small Icons 8-30
Figure 8-58 Incoming Ring Group Pane Options - Tiles 8-31
Figure 8-59 Incoming Ring Group Pane Options - Actions 8-31
Figure 8-60 Incoming Ring Group Pane - No Members 8-31
Figure 8-61 Example - Remove Extension 101 8-32
Figure 8-62 Example - Removing All Extensions in IRG 2 8-32
Figure 8-63 Example - All Extensions in IRG 2 Removed 8-32
Figure 8-64 Incoming Ring Group Pane Options - Actions 8-33
Figure 8-65 From Extension Sliding Pane To Incoming Ring Group 8-33
Figure 8-66 From Incoming Ring Group - To Incoming Ring Group 8-34
Figure 8-67 From Incoming Ring Group - To Any Other Group 8-34
Figure 8-68 Department Group 8-35
Figure 8-69 Department Groups 8-36
Figure 8-70 Department Group Ribbon Bar - Pane Options 8-37
Figure 8-71 Department Group Ribbon Bar - Large Icons 8-37
Figure 8-72 Department Group Ribbon Bar - Details 8-38
Figure 8-73 Department Group Ribbon Bar - Small Icons 8-38
Figure 8-74 Department Group Ribbon Bar - Tiles 8-39
Figure 8-75 Department Group Ribbon Bar - Actions 8-39
Figure 8-76 Department Group Ribbon Bar - Actions 8-40

Figure 8-77 Department Group Ribbon Bar - Add Blank Group 8-40
Figure 8-78 Department Group Ribbon Bar - Remove Group 8-41
Figure 8-79 Department Group Ribbon Bar - Group 103 Removed 8-41
Figure 8-80 Department Group Ribbon Bar - Remove All Group 2 8-42
Figure 8-81 Department Group Ribbon Bar - Group 3 Removed 8-42
Figure 8-82 Department Group Ribbon Bar - Cut & Paste 8-43
Figure 8-83 Department Group Ribbon Bar - Drag and Drop 8-44
Figure 8-84 Department Group Ribbon Bar - Drag and Drop 8-44
Figure 8-85 Department Group Ribbon Bar - Changing Ring Order 8-45
Figure 8-86 Department Group Ribbon Bar - Ring Order Changed 8-45
Figure 8-87 Department Group Ribbon Bar - Drag to Other Group 8-46
Figure 8-88 Paging Group Sliding Pane 8-47
Figure 8-89 Pane Options - Paging Groups 8-47
Figure 8-90 Actions - Paging Groups 8-48
Figure 8-91 Paging Group - Drag and Drop 8-48
Figure 8-92 Pick Up Groups Sliding Pane 8-49
Figure 8-93 Pane Options - Pick Up Groups 8-49
Figure 8-94 Actions - Pick Up Groups 8-50
Figure 8-95 Drag and Drop - Pick Up Groups 8-50
Figure 8-96 Park Hold Groups Sliding Pane 8-51
Figure 8-97 Pane Options - Park Hold Groups 8-51
Figure 8-98 Actions - Park Hold Groups 8-52
Figure 8-99 Drag and Drop - Park Hold Groups 8-52
Figure A-1 Connect/Disconnect Status A-1
Figure A-2 Connect Dialog A-2

Figure A-3 New Connection Wizard Dialog A-4
Figure A-4 Network Connection Type Dialog A-5
Figure A-5 Network Connection Dialog A-5
Figure A-6 Connection Name Dialog A-6
Figure A-7 Phone Number to Dial Dialog A-6
Figure A-8 Connection Availability Dialog A-7
Figure A-9 Completing the New Connection Dialog A-7
Figure A-10 Download Dialog A-9
Figure A-11 Upload Dialog A-11
Figure A-12 Trunk Ports Busy Warning A-12
Figure A-13 Station Ports Busy Warning A-13
Figure A-14 Feature Activation Dialog A-14
Figure A-15 Firmware Update Dialog A-15
Figure A-16 System Initialization Dialog A-17
Figure B-1 System Data Copy B-1
Figure C-1 Export Modification History Dialog Box C-3
Figure C-2 Sample Modification History HTML Format C-3
Figure C-3 Sample Modification History CSV Format C-4
Figure D-1 Connect DialogCreating/Deleting Connection Account D-2
Figure D-2 Save As Connection Account Dialog D-3
Figure D-3 Connection Account DialogCreating/Modifying/Deleting Connection Account D-4
Figure E-1 Debug Terminal Dialogs E-1
Figure F-1 PCPro Feature Activation Dialog F-1
Figure F-2 Feature Activation Open File Dialog F-3

Figure F-3 WebPro Login Screen F-4
Figure F-4 Feature Activation Screen WebPro Home Page F-5
Figure F-5 Feature Activation Screen WebPro Manual Activation F-5
Figure F-6 Feature Activation Open File Dialog WebPro F-6
Figure G-1 DIM File Download G-1
Figure G-2 DIM File Download Dialog Box G-2
Figure G-3 DIM File Download Status G-3

THIS PAGE INTENTIONALLY LEFT BLANK

LIST OF TABLES

Table 2-1 System Requirements 2-1

Table 2-2 Default PCPro Accounts 2-2

Table 2-3 Default Folders 2-2

Table 3-1 Workspace Buttons 3-4

Table 3-2 Navigational Buttons and Drop Down List 3-6

THIS PAGE INTENTIONALLY LEFT BLANK

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 using PRG 90-38-02. PRG 90-38-02 is not accessible from telephone programming or PCPro. 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.

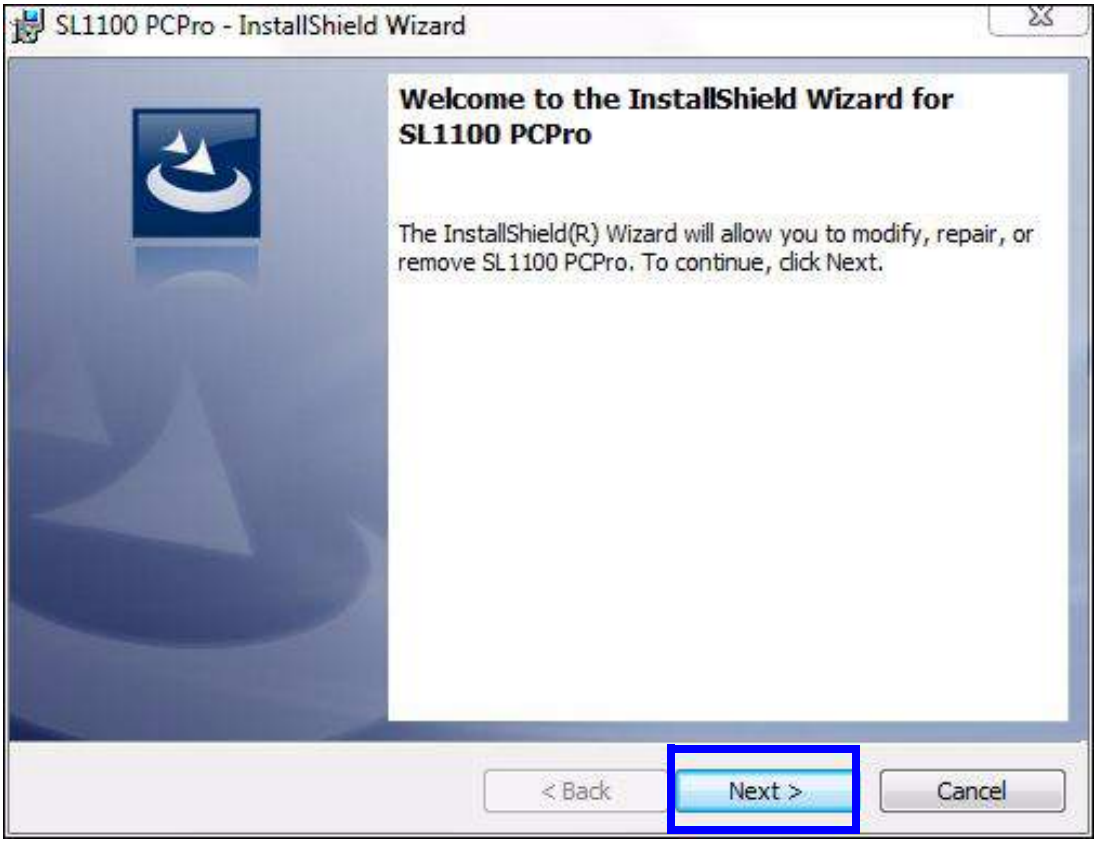


Figure 2-1 InstallShield Wizard Welcome Screen

3. The next screen is displayed indicating the installation country selection, as well as 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.

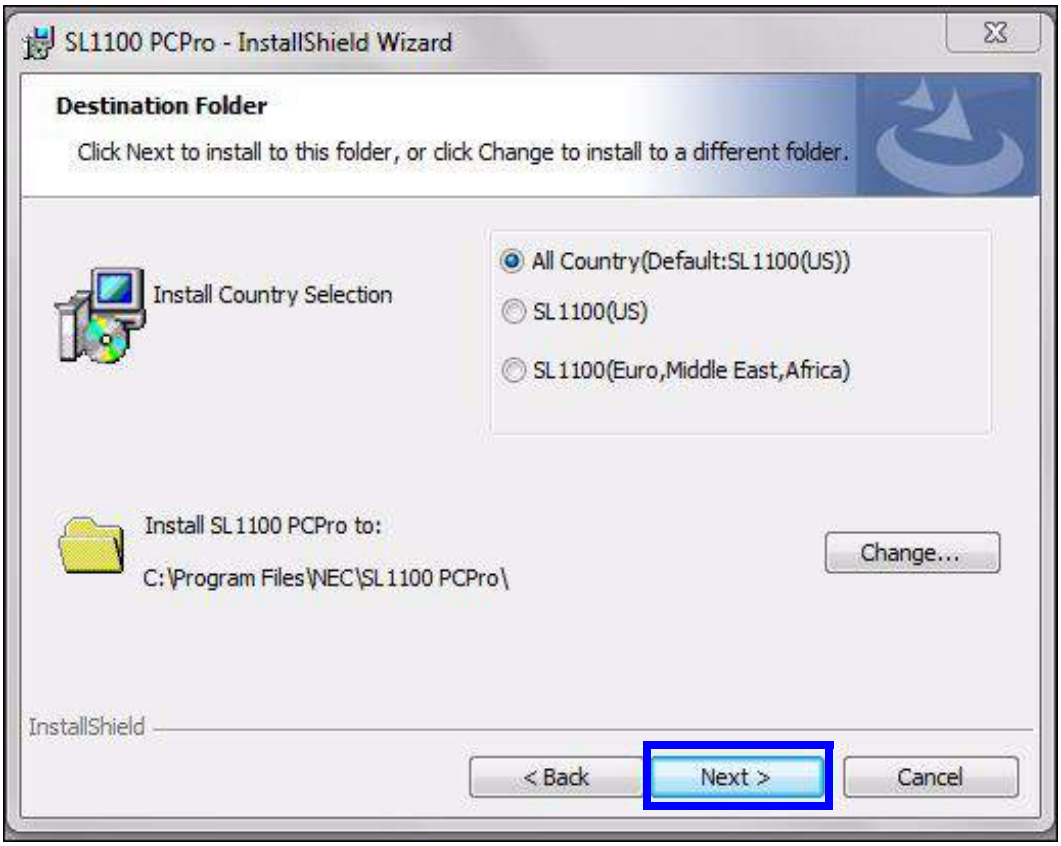


Figure 2-2 InstallShield Wizard Destination Folder (Default Location)

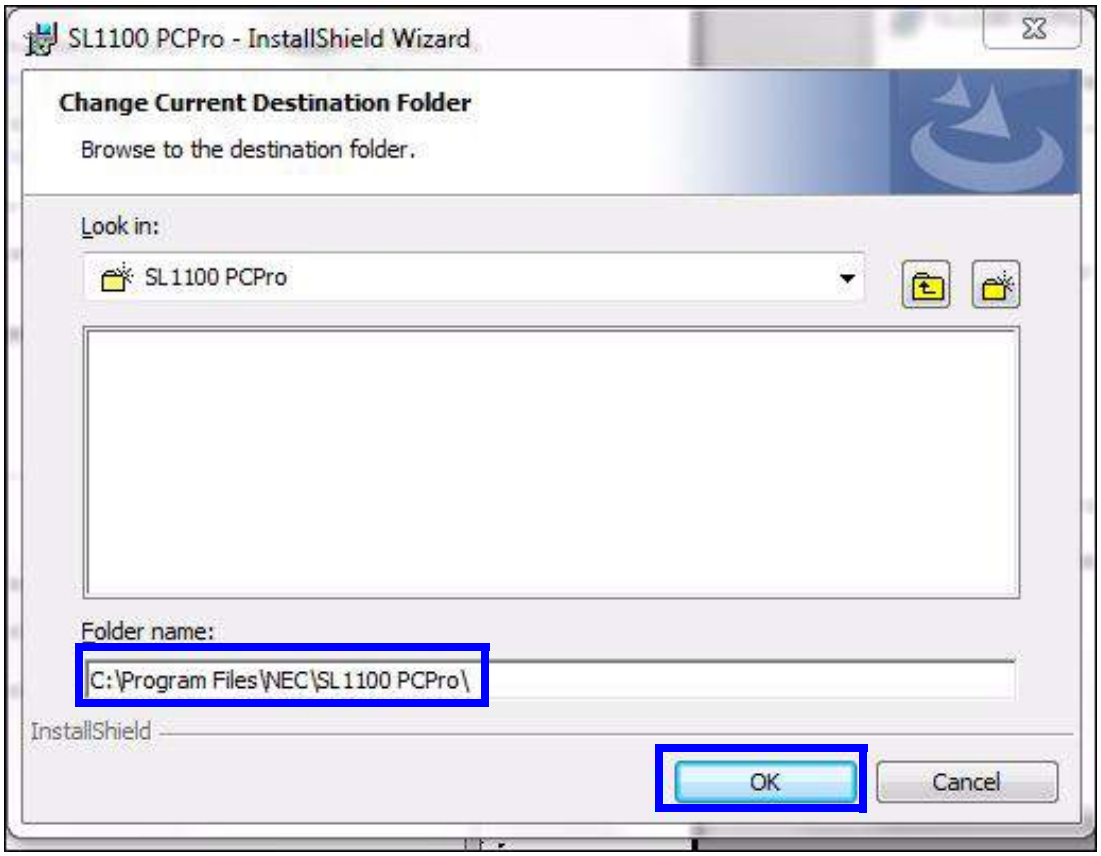


Figure 2-3 InstallShield Wizard Destination Folder (Change Location)

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.

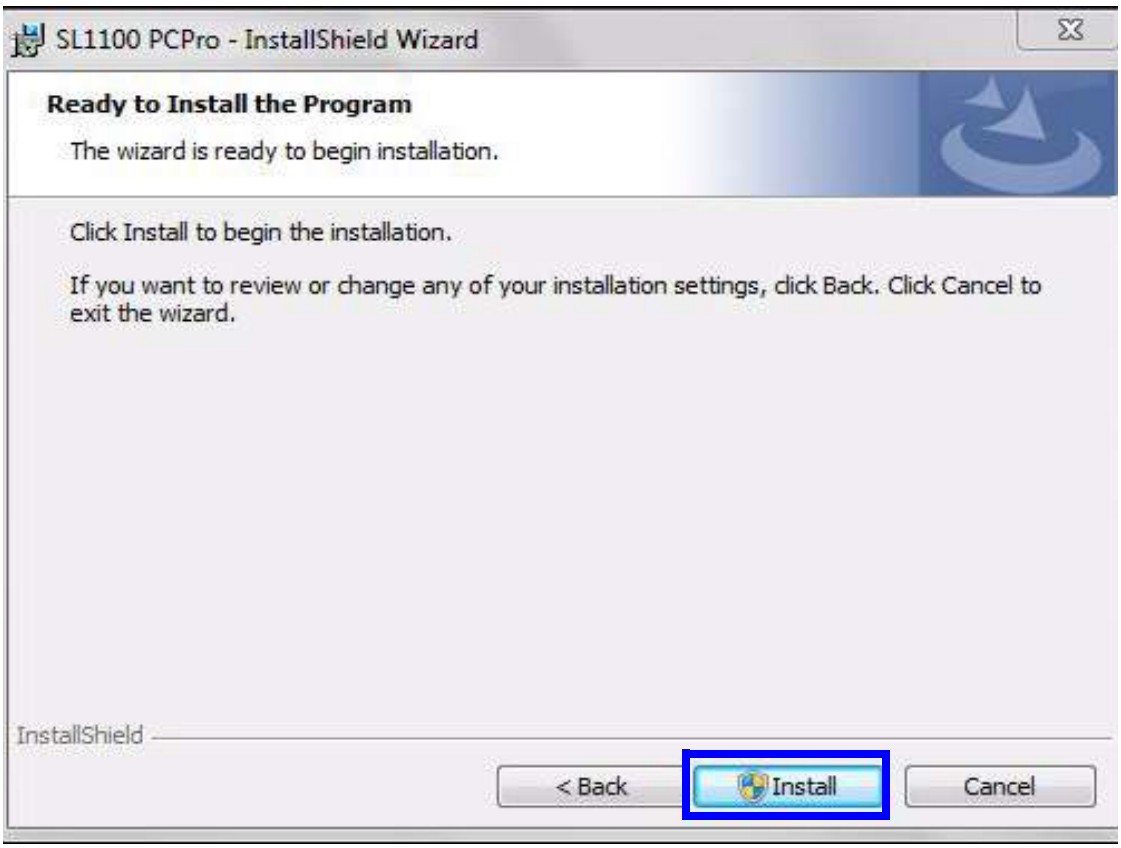


Figure 2-4 InstallShield Wizard Begin Installation

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.

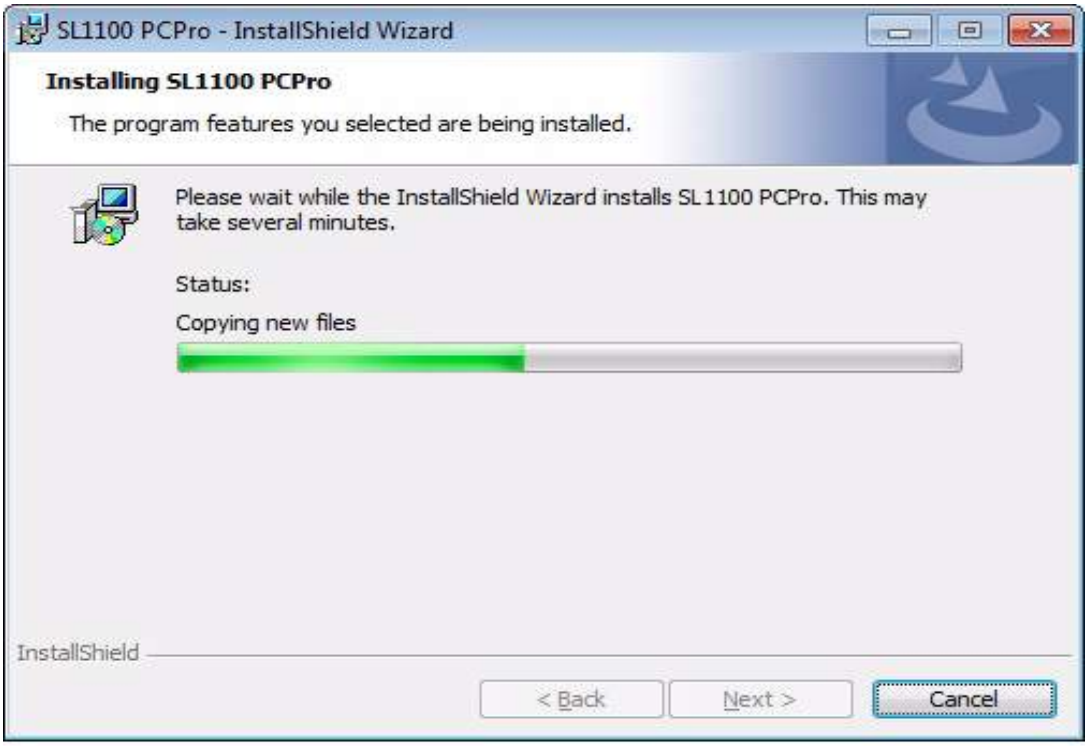


Figure 2-5 InstallShield Wizard Installation Progress

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

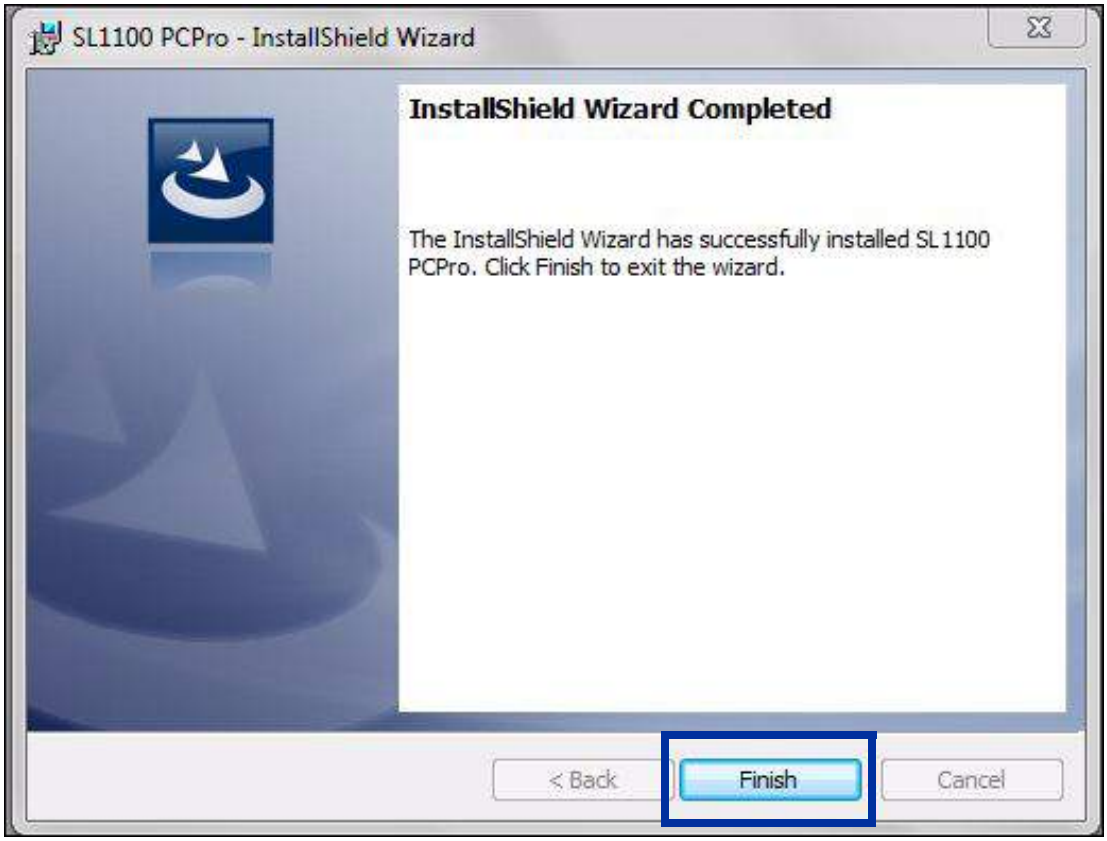


Figure 2-6 InstallShield Wizard Finish Installation

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**.

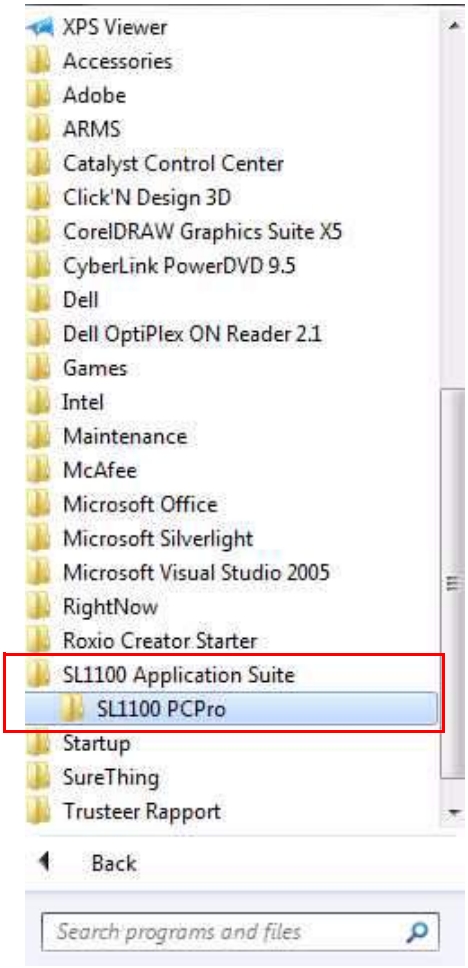


Figure 2-8 InstallShield Wizard Launch Software

SECTION 5 LOGGING INTO THE APPLICATION

After you have launched the application, you must login using the 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. 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.

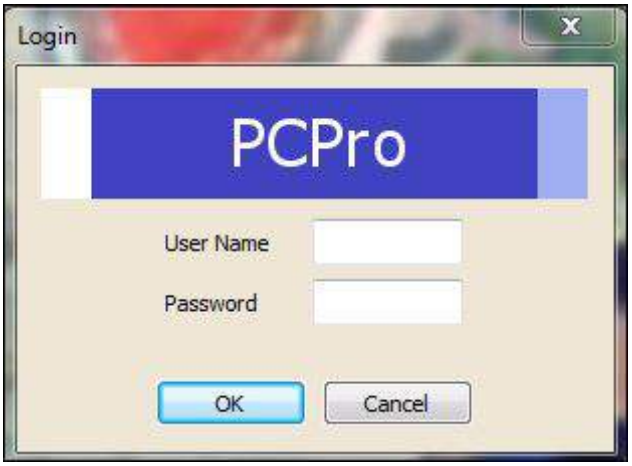


Figure 2-9 PCPro Login Screen

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

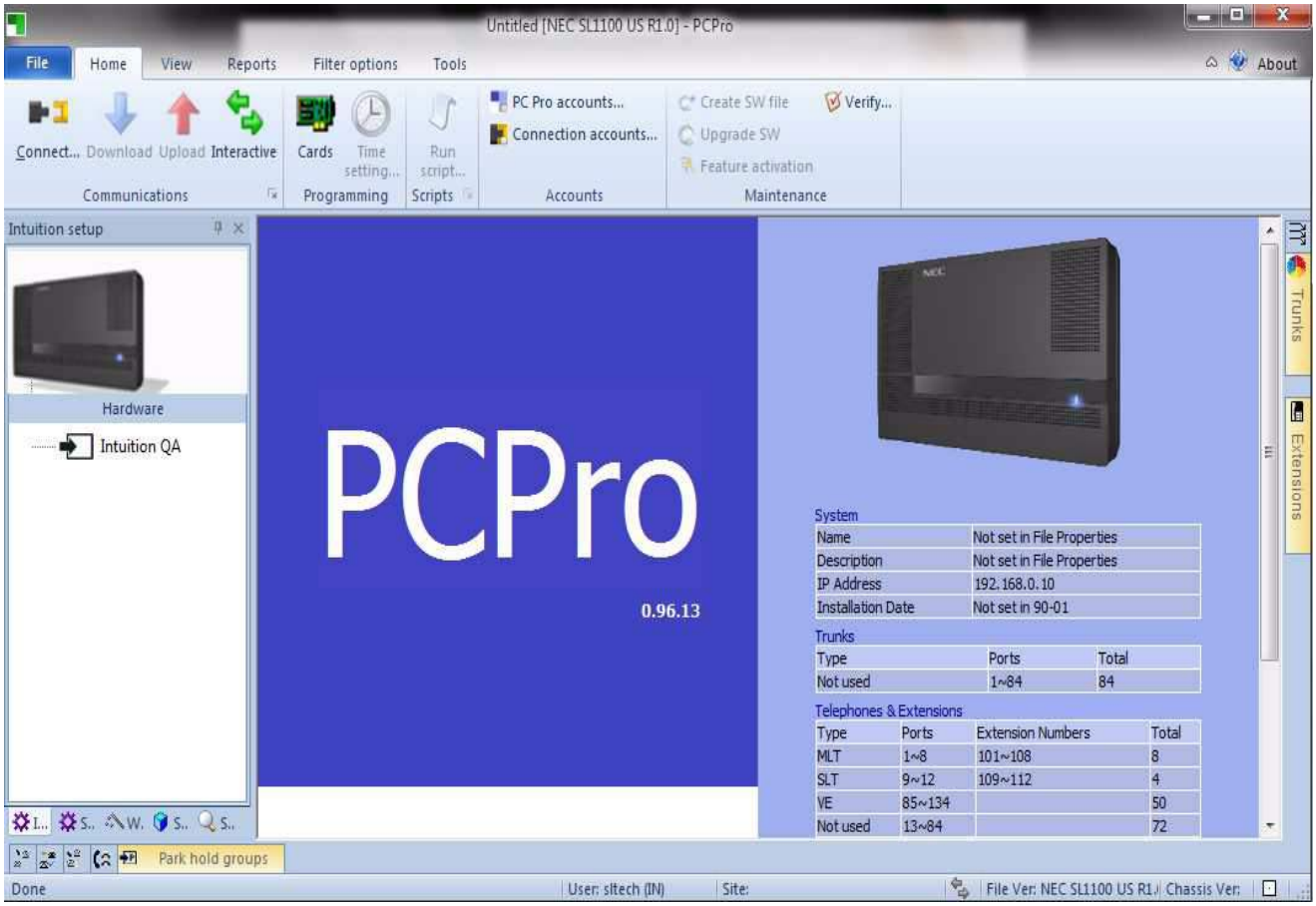


Figure 2-10 PCPro Main Menu

-- 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, Wizard and System Data. These methods can be accessed through the menu item **Programming**. 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.

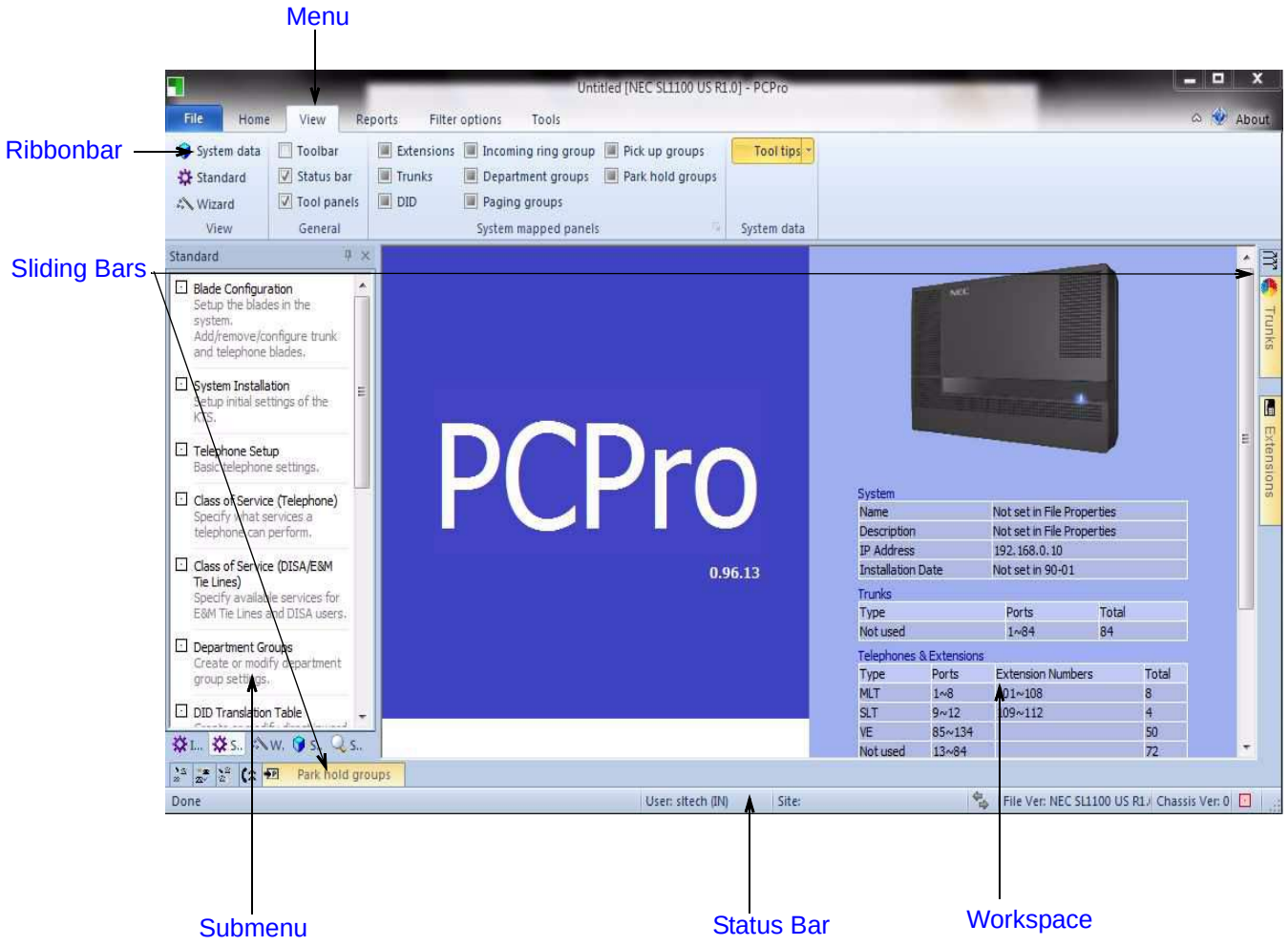


Figure 3-1 PCPro Application Layout

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

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.

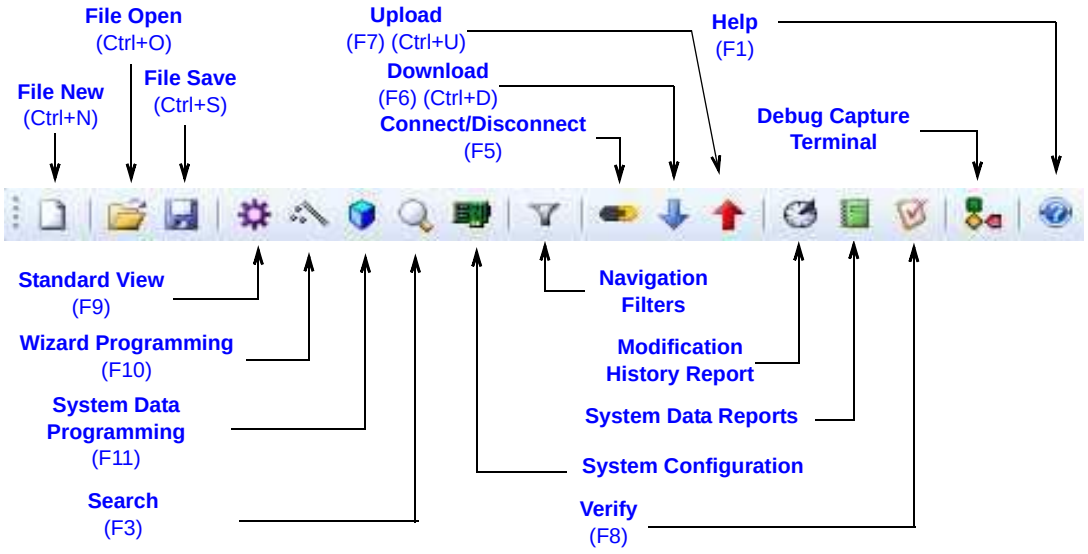


Figure 3-2 PCPro Toolbar

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 5 - Standard View), Wizards (refer to Chapter 6 - Wizards View) and System Data (refer to Chapter 7 - System Data View). 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.

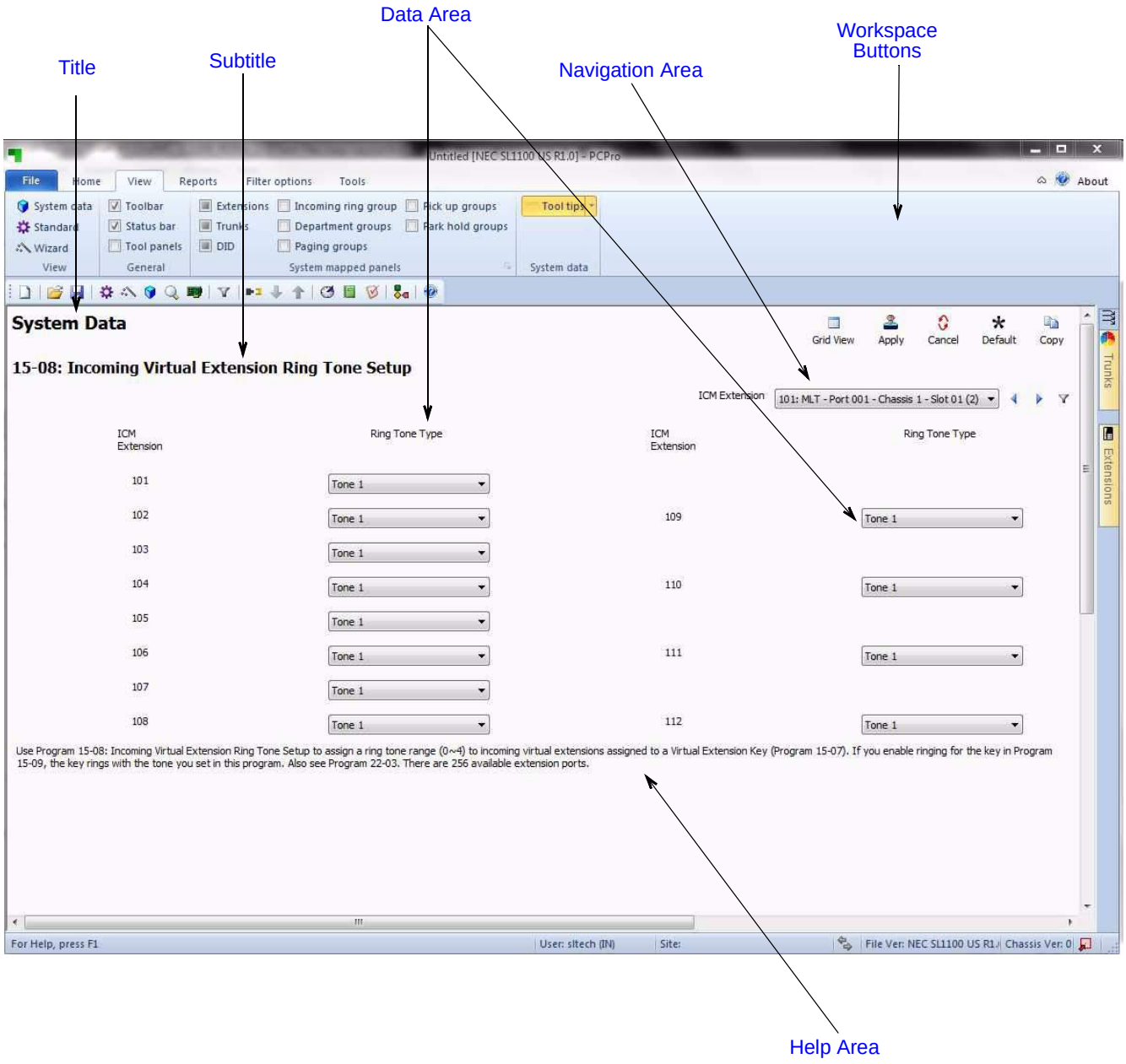


Figure 3-3 PCPro Workspace

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

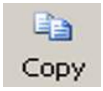
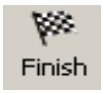
Button	Description
	Apply sets changes recently made on the active screen. Attempting to apply an invalid value prompts a validation message detailing the error. In this case, changes are not applied until the value is made valid.
	Back returns to the previous screen for the specified feature. This button 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 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.

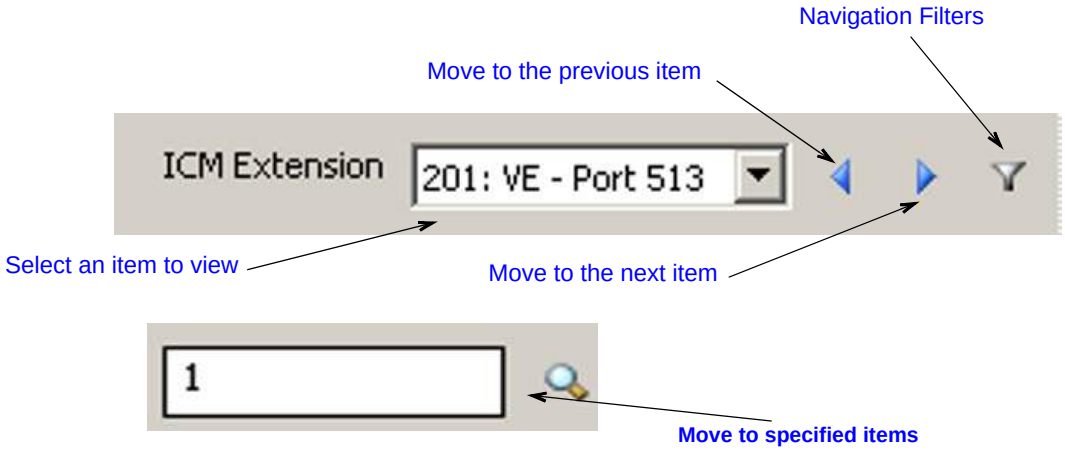


Figure 3-4 PCPro Navigation Buttons

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.

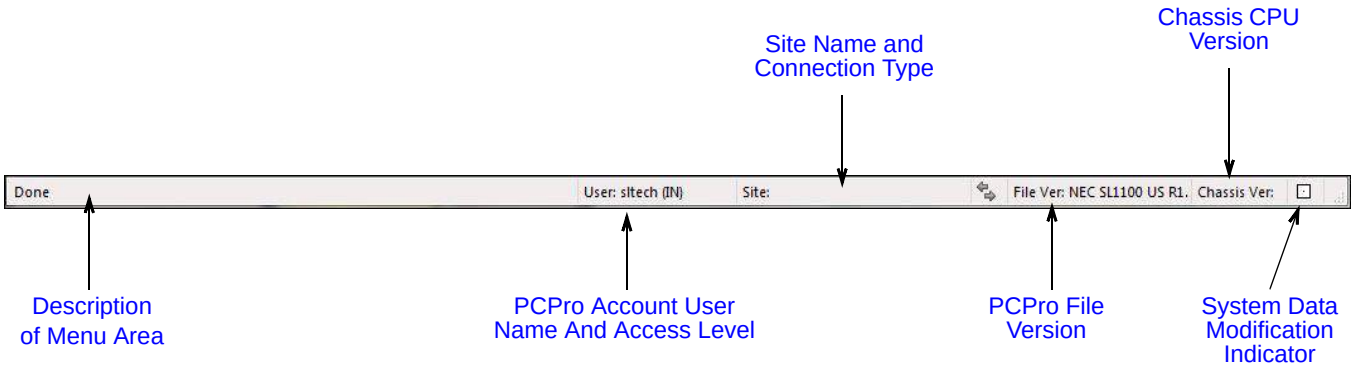


Figure 3-5 PCPro Status Bar

-- NOTES --

CHAPTER 4 *Hardware Settings*

SECTION 1 OVERVIEW

Intuition Setup will use Q&A (Question & Answer) setting method, image file similar to real Hardware.

A new user to the SL1100 system can intuitively understand all system settings.

SECTION 2 HARDWARE SETTING SUBMENU

2.1 Accessing Intuition Setup View

You can access Intuition Setup by selecting the Hareware tab depicting the purple cog icon.

Figure 4-1 Intuition Setup

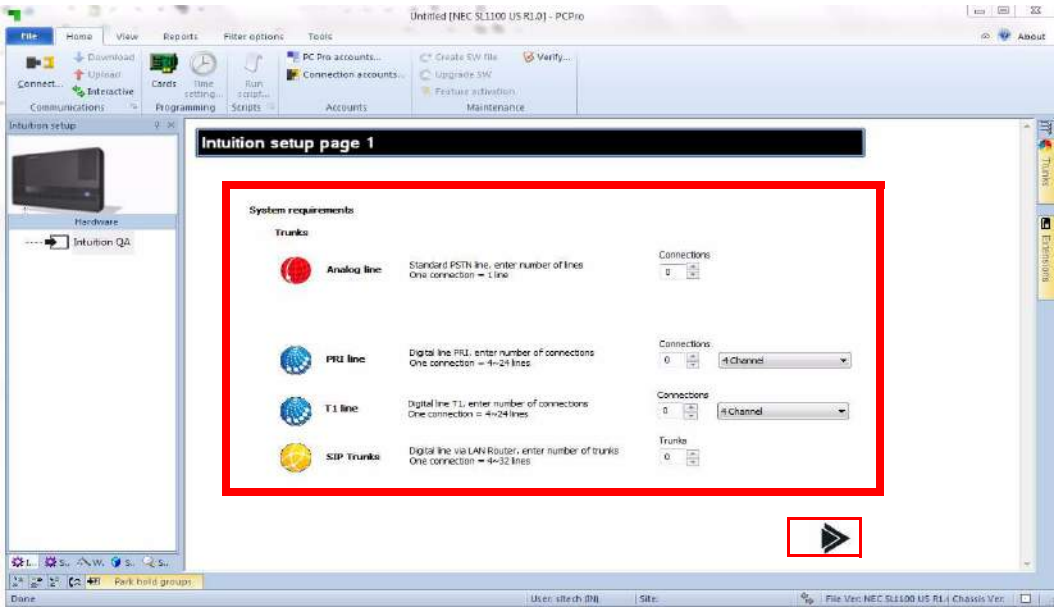


Figure 4-2 Intuition Mode Setup Page 1

To assign the Trunk System requiements, perform the following steps:

1. Assign the number of Analog trunks installed in the system.
2. Assign the number of PRI circuits installed and how many channels.
3. Assign the number of T-1 circuits and how many channels.
4. Assign the number of SIP trunks installed in the system.
5. Click **Next** to go to the Terminal System requirements page.

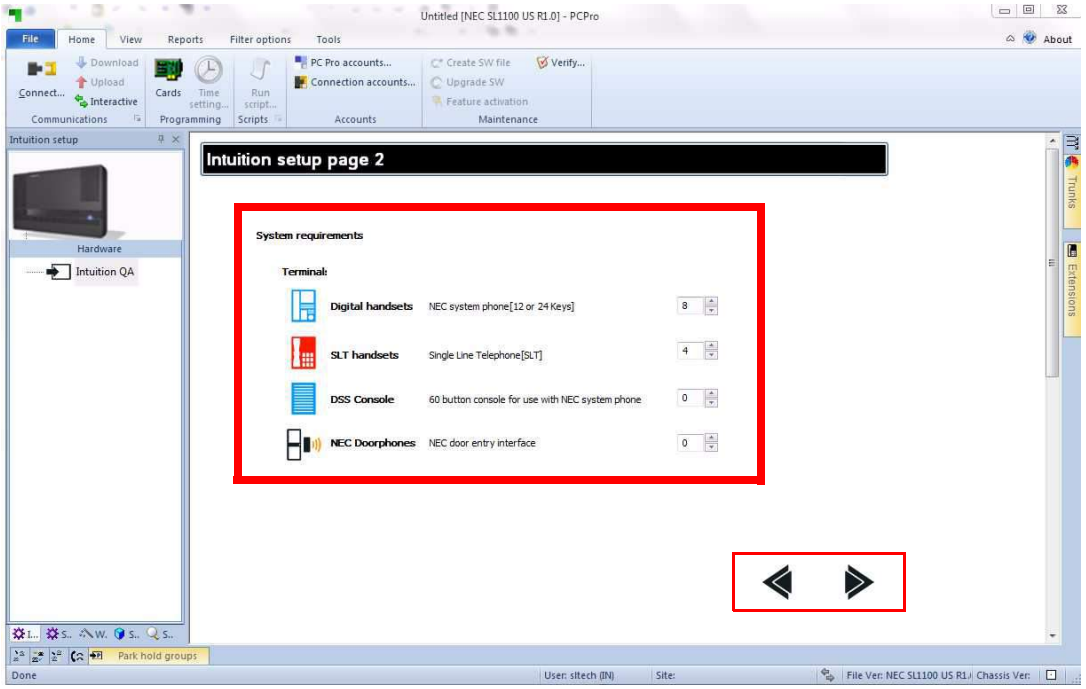


Figure 4-3 Intuition Mode Setup Page 2

To assign the Terminal System requiements, perform the following steps:

1. Assign the number of Digital Stations installed in the system.
2. Assign the number of Single Line Stations installed in the system.
3. Assign the number of DSS Consoles installed in the system.
4. Assign the number of Door Phones installed in the system.
5. Click **Next** to go to the Other System requirement page, or **Back** to return to the previous page.

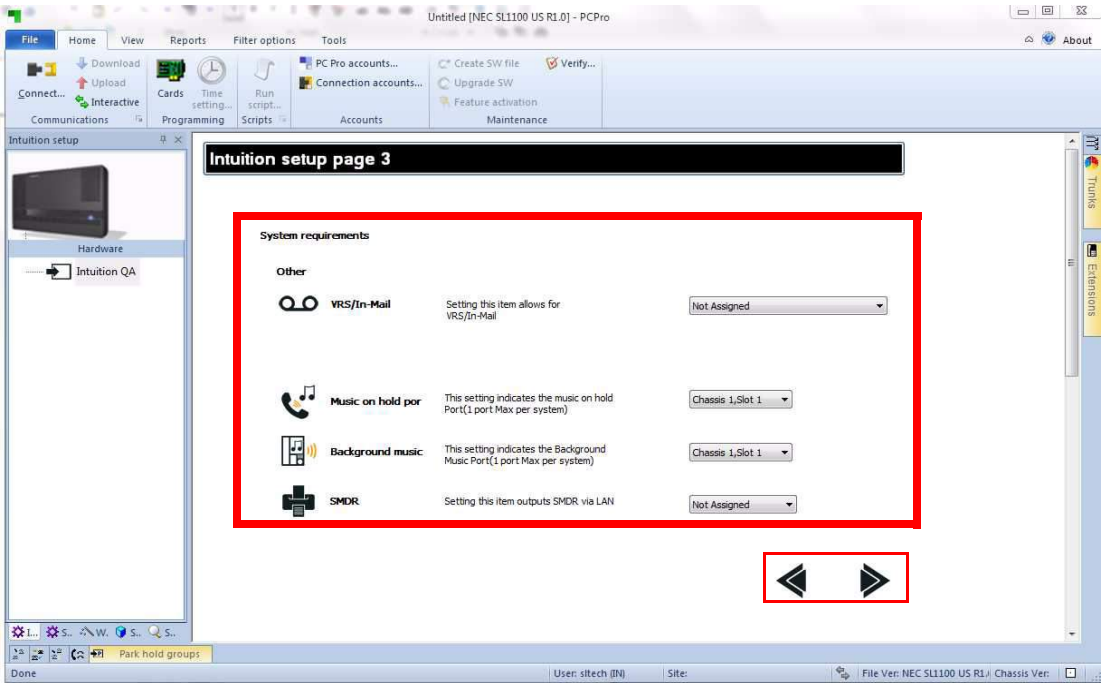


Figure 4-4 Intuition Mode Setup Page 3

To assign the Other system requirements do the following:

1. Assign if a VRS/In-Mail will be installed in the system.
2. Assign the port for the Music on Hold source.
3. Assign the port for the Background Music source.
4. Assign how the SMDR will be output and the port it uses.
5. Click **Next** to see the Chassis settings page, or **Back** to go to the previous page.

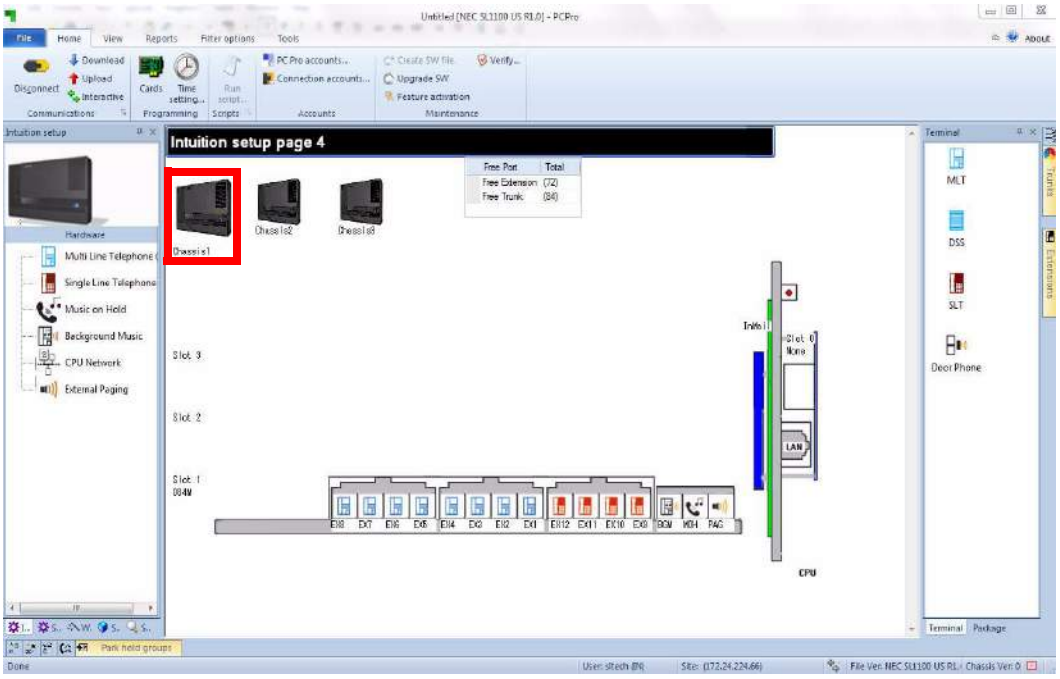


Figure 4-5 Intuition Mode Setup Page 4

You can view what is assigned in the different chassis by clicking on the Chassis number.

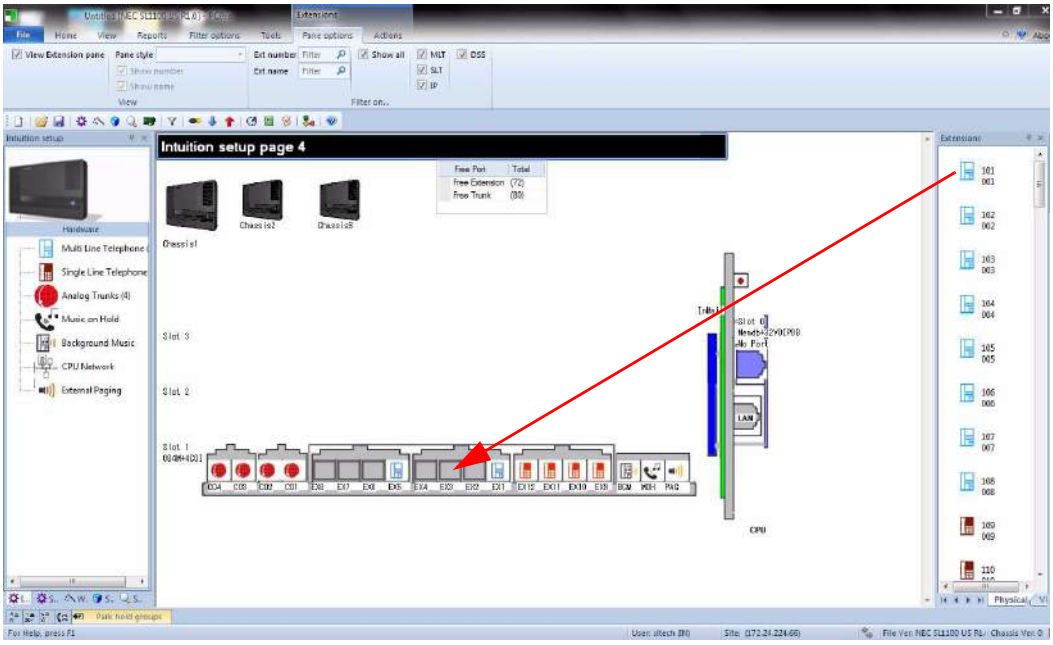


Figure 4-6 Intuition Mode Page 4 (Terminal)

You can drag and drop a type of terminal into a blank port from the Terminal panel.

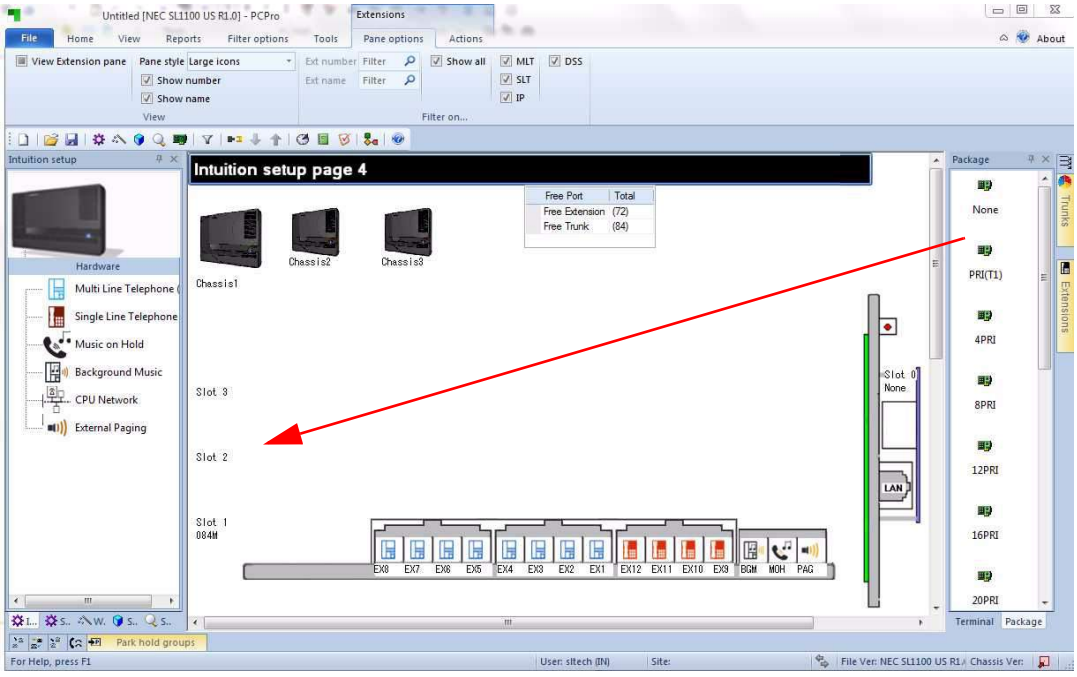


Figure 4-7 Intuition Mode Page 4 (Package)

You can drag and drop a Card into an empty slot from the Package Panel.

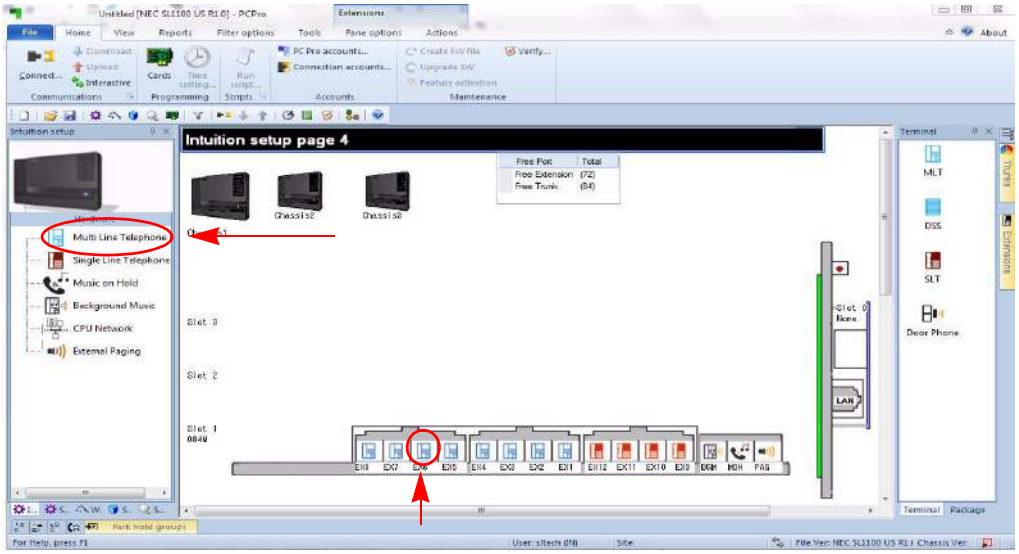


Figure 4-8 Intuition Mode Page 4 (Digital Terminal)

You can configure the Multi Line Telephones by clicking a Digital Terminal icon, or click on the Multi Line Telephone Link on the left.

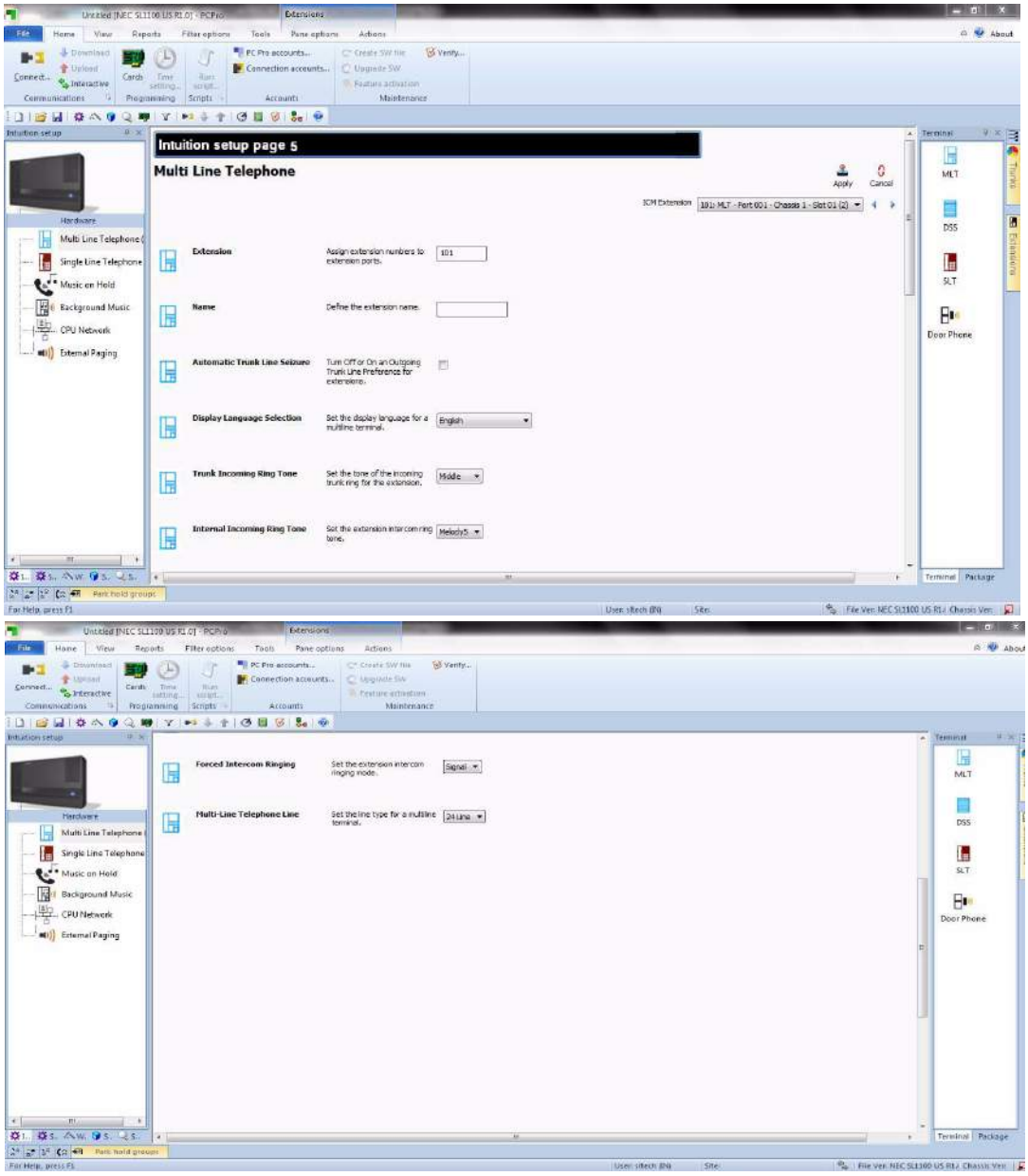


Figure 4-9 Intuition Mode Setup Page 5 (Multiline Terminals)

You can assign the Multi Line Terminal settings by:

1. Selecting the Extension to edit.
2. Assign the extension number for the port.
3. Assign the name for the extension for the port.
4. Assign the Automatic Trunk Line Seizure.
5. Assign the Display Language.

6. Assign the Trunk Incoming Ring Tone.
7. Assign the Internal Incoming Ring Tone.
8. Assign the Force Ringing Type.
9. Assign the Multi Line Type.
10. You can go back to Chassis Setting Page by click the SL1100 Chassis or go to the next type of setup by click it on the left. Example: Single Line Telephone, Analog Trunk, etc…

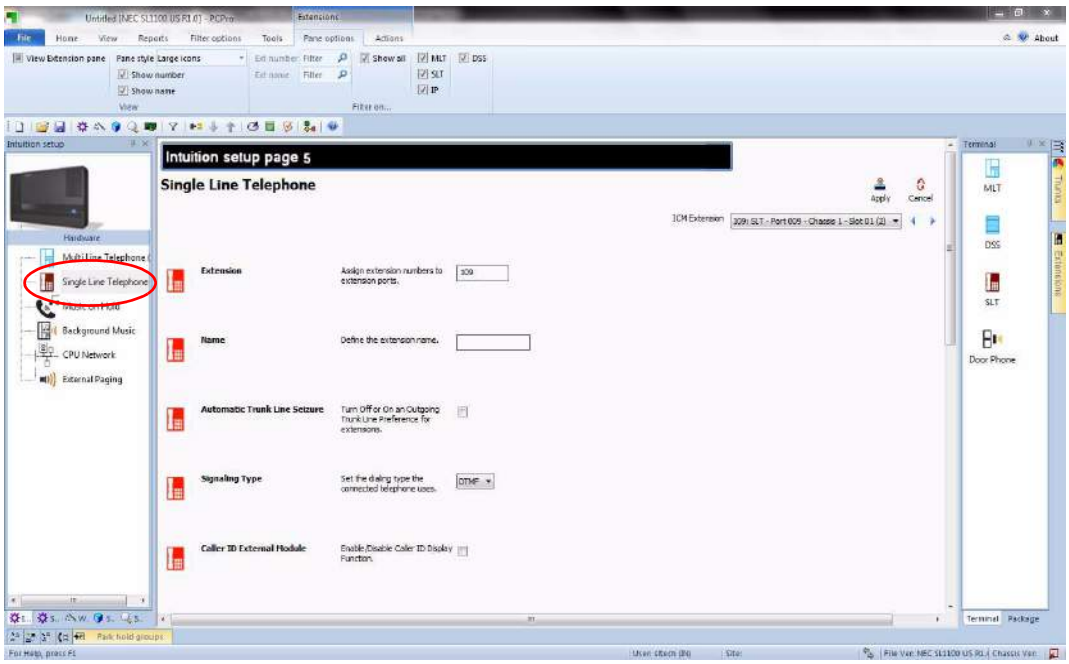


Figure 4-10 Intuition Mode Page 4 (Single Line Telephone Setup)

You can configure the Single Line Telephones by clicking a SLT Terminal icon, or click on the Single Line Telephone Link on the left.

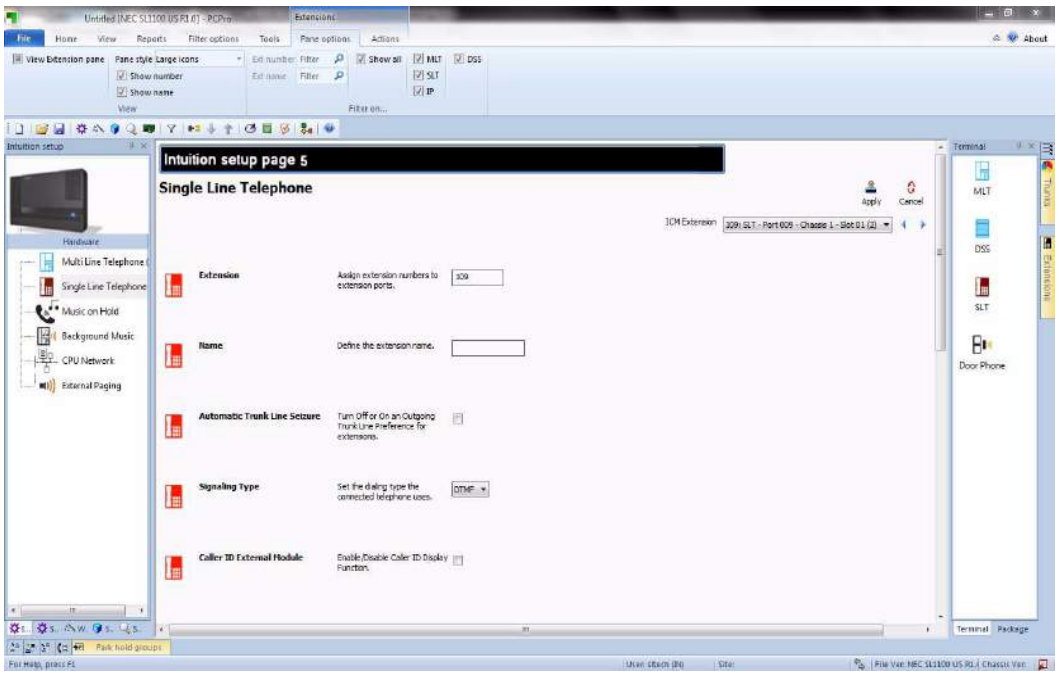


Figure 4-11 Intuition Mode Page 5 (Single Line Telephone Setup)

1. Assign the Extension number for the port.
2. Assign the Name for the port.
3. Assign Automatic Trunk Line Seizure.
4. Assign the Signaling Type.
5. Assign Caller ID External Module.
6. You can go back to Chassis Setting Page by click the SL1100 Chassis or go to the next type of setup by click it on the left. Example Single Line Telephone, Analog Trunk, etc…

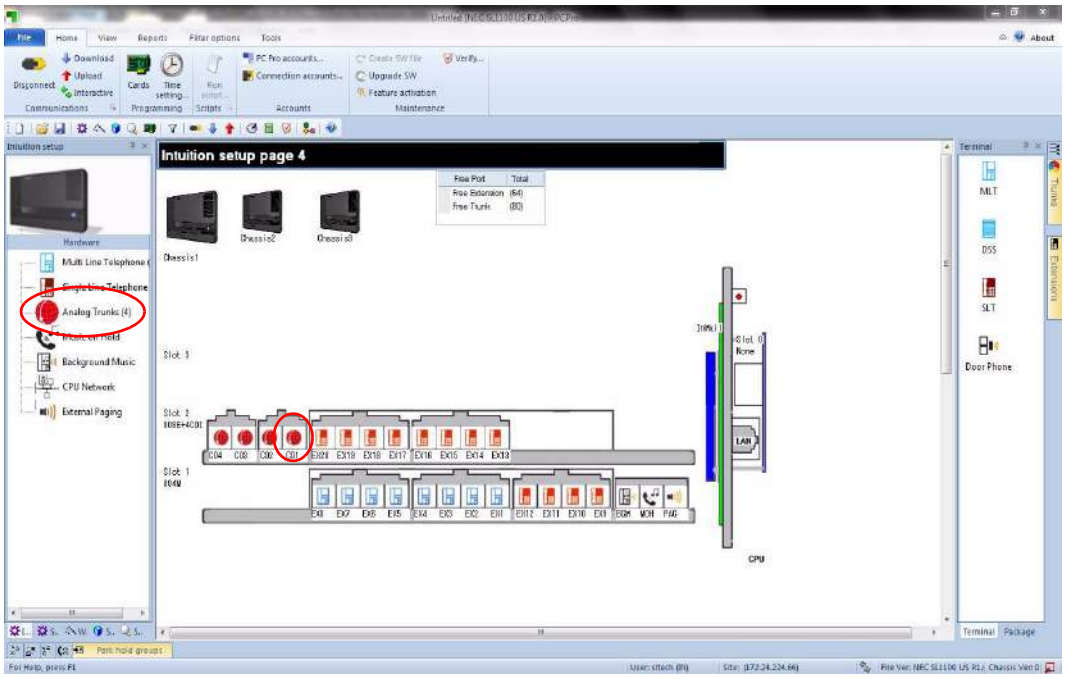


Figure 4-12 Intuition Mode Page 4 (Analog Trunks Setup)

You can configure the Analog Trunk by clicking an Analog Trunk icon, or click on the Analog Trunks Link on the left.

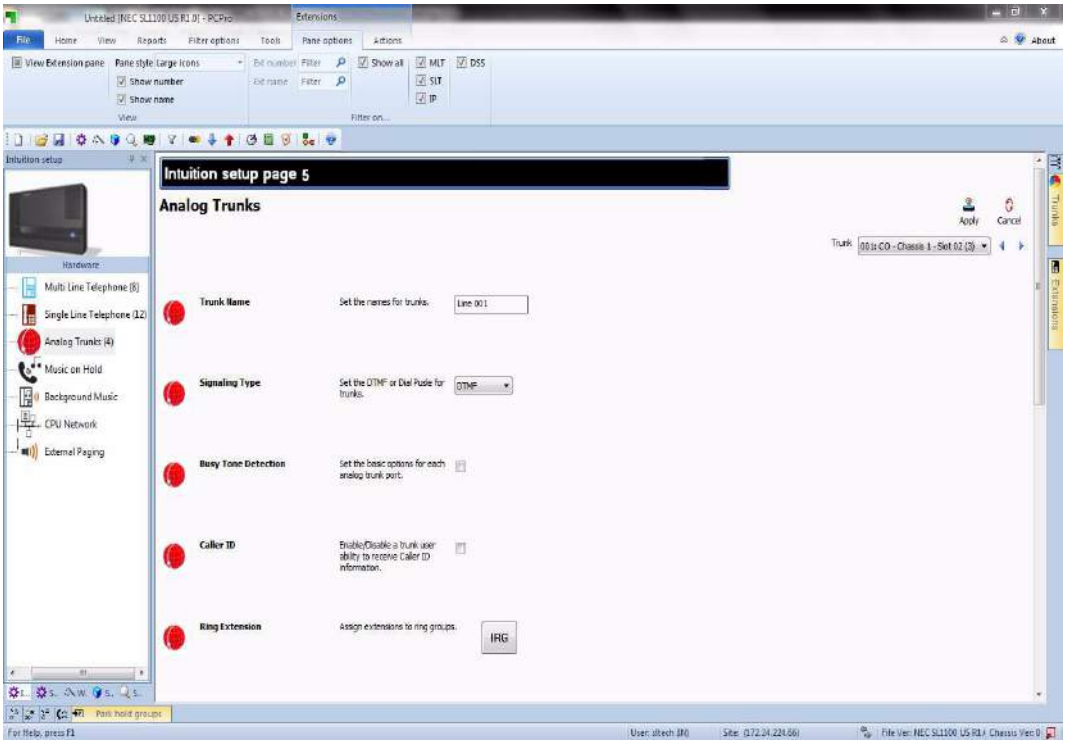


Figure 4-13 Intuition Mode Page 5 (Analog Trunks Setup)

1. Assign the Trunk Name.
2. Assign the Signaling Type.
3. Assign the Busy Tone Detection.
4. Assign Caller ID.
5. Assign an option Incoming ring group for the trunk.
6. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

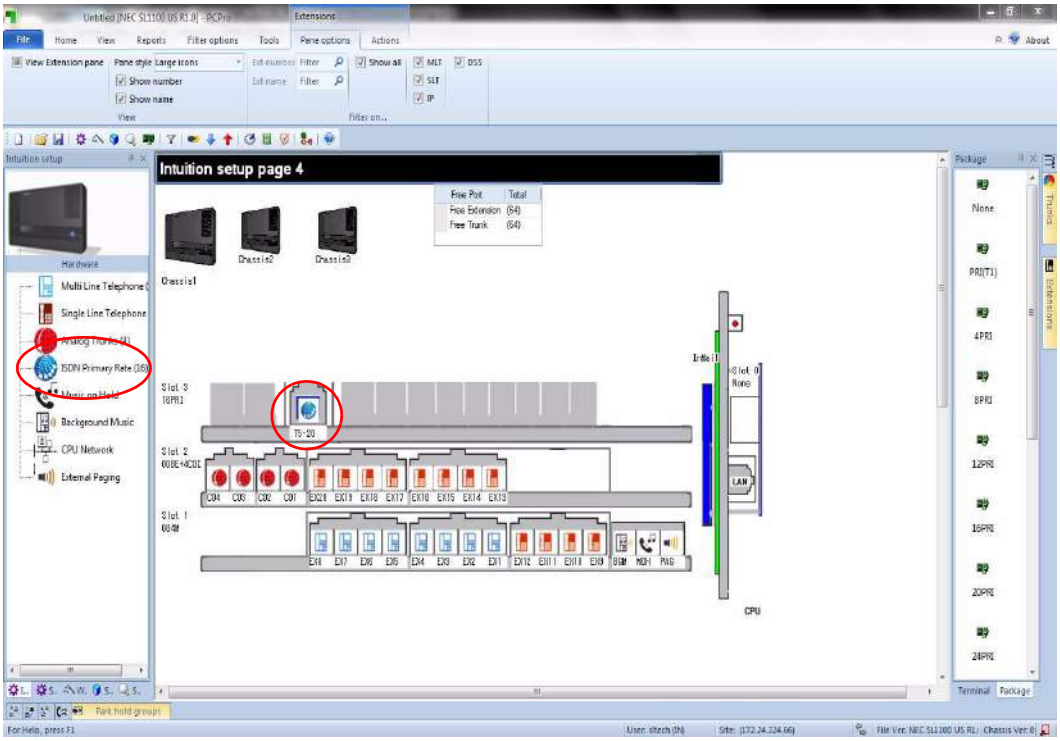


Figure 4-14 Intuition Mode Page 4 (ISDN PRI Trunk Setup)

You can configure the ISDN PRI Trunk by clicking an ISDN PRI Trunk icon, or click on the ISDN Primary Rate Link on the left.

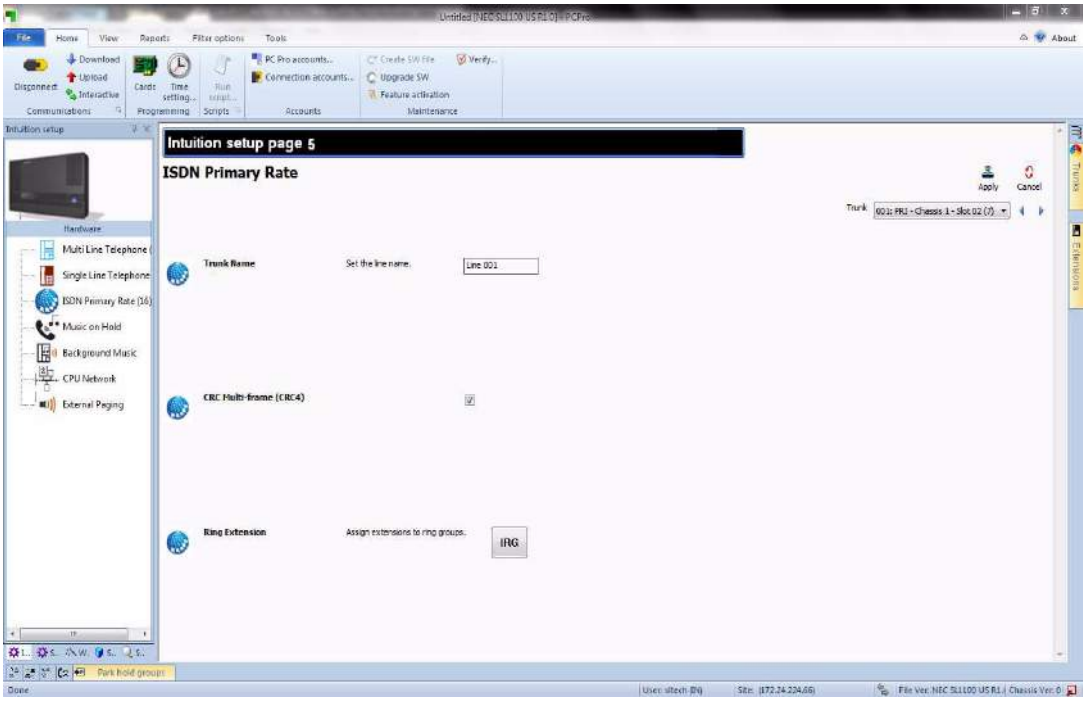


Figure 4-15 Intuition Mode Page 5 (ISDN PRI Trunk Setup)

1. Assign the Trunk Name.
2. Assign the Frame Type.
3. Assign an optional Ring Group assignment for the trunk.
4. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

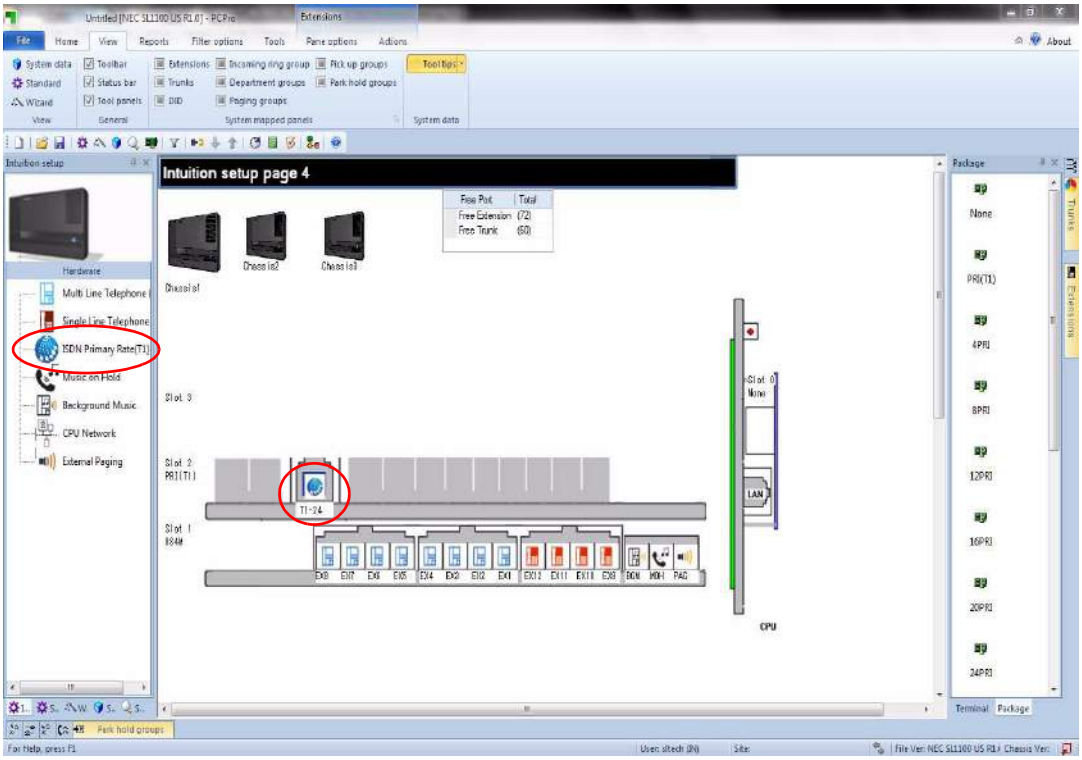


Figure 4-16 Intuition Mode Page 5 (ISDN PRI Trunk (T1)Setup)

You can configure the ISDN PRI Trunk (T1) by clicking a PRI (T1) Trunk icon, or click on the ISDN Primary Rate (T1) Link on the left.

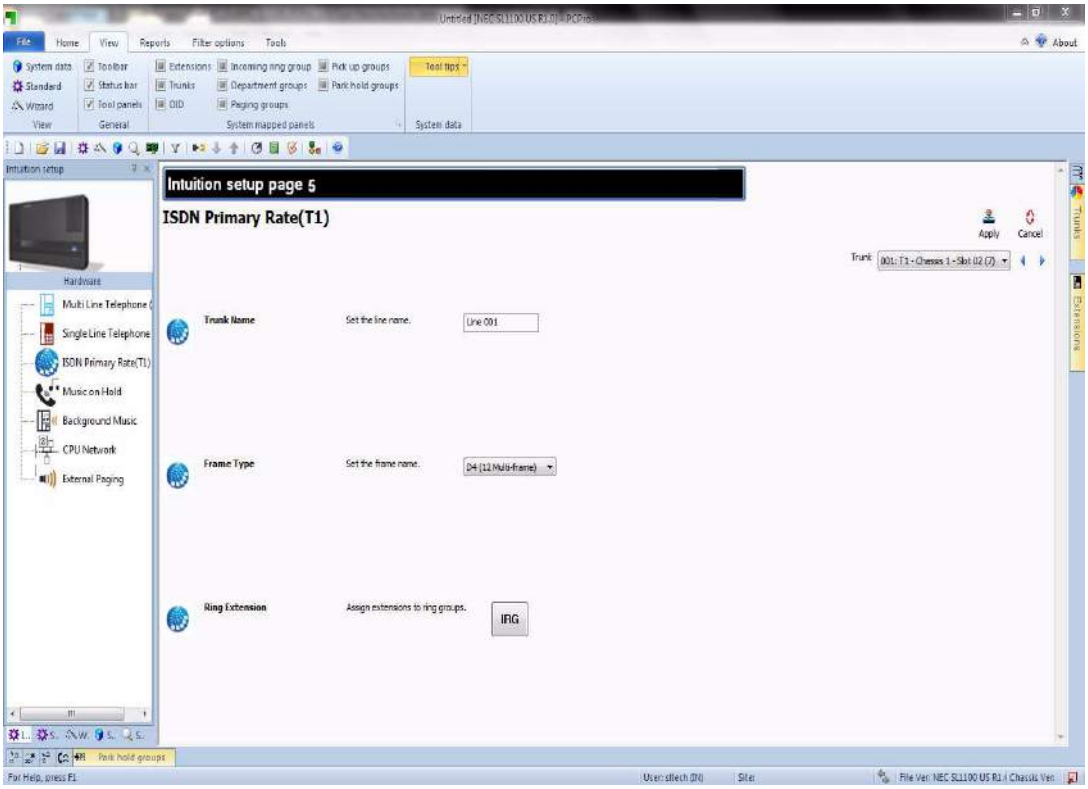


Figure 4-17 Intuition Mode Page 5 (ISDN PRI Trunk (T1)Setup)

1. Assign the Trunk Name.
2. Assign the Frame Type.
3. Assign an optional Ring Group assignment for the trunk.
4. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

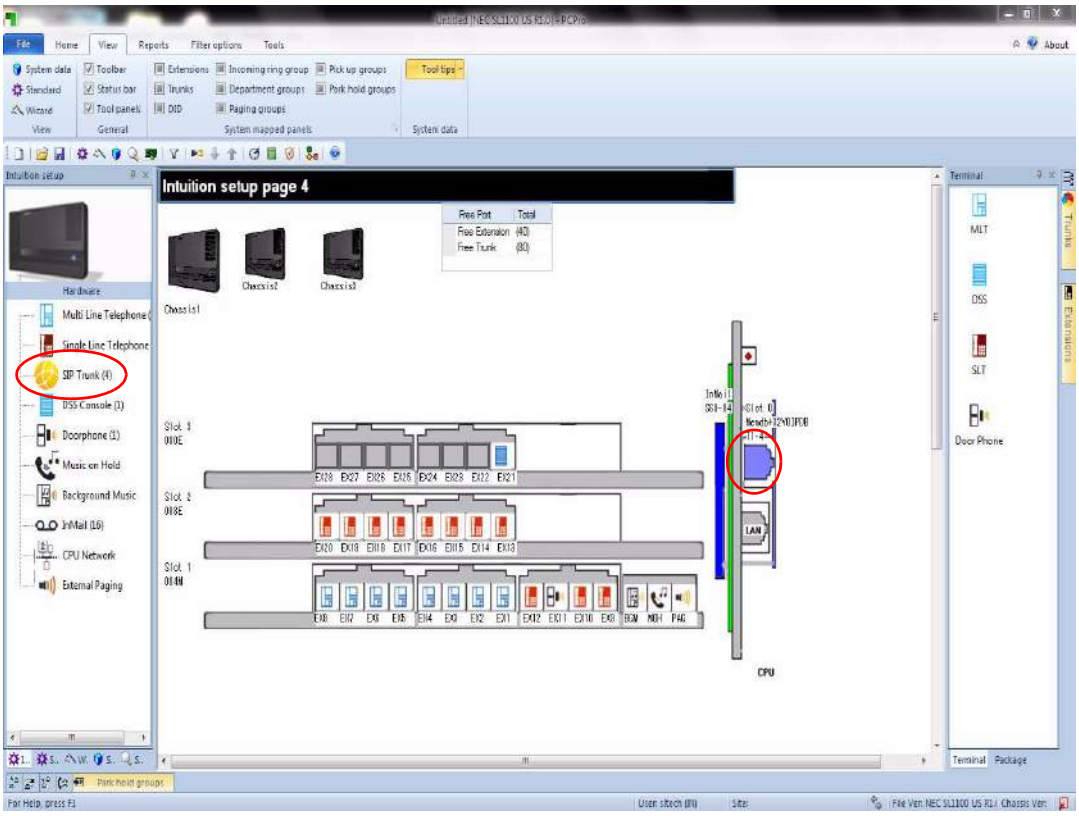


Figure 4-18 Intuition Mode Page 4 (SIP Trunk Setup)

You can configure the SIP Trunk by clicking an IPLB NIC icon, or click on the SIP Trunk Link on the left.

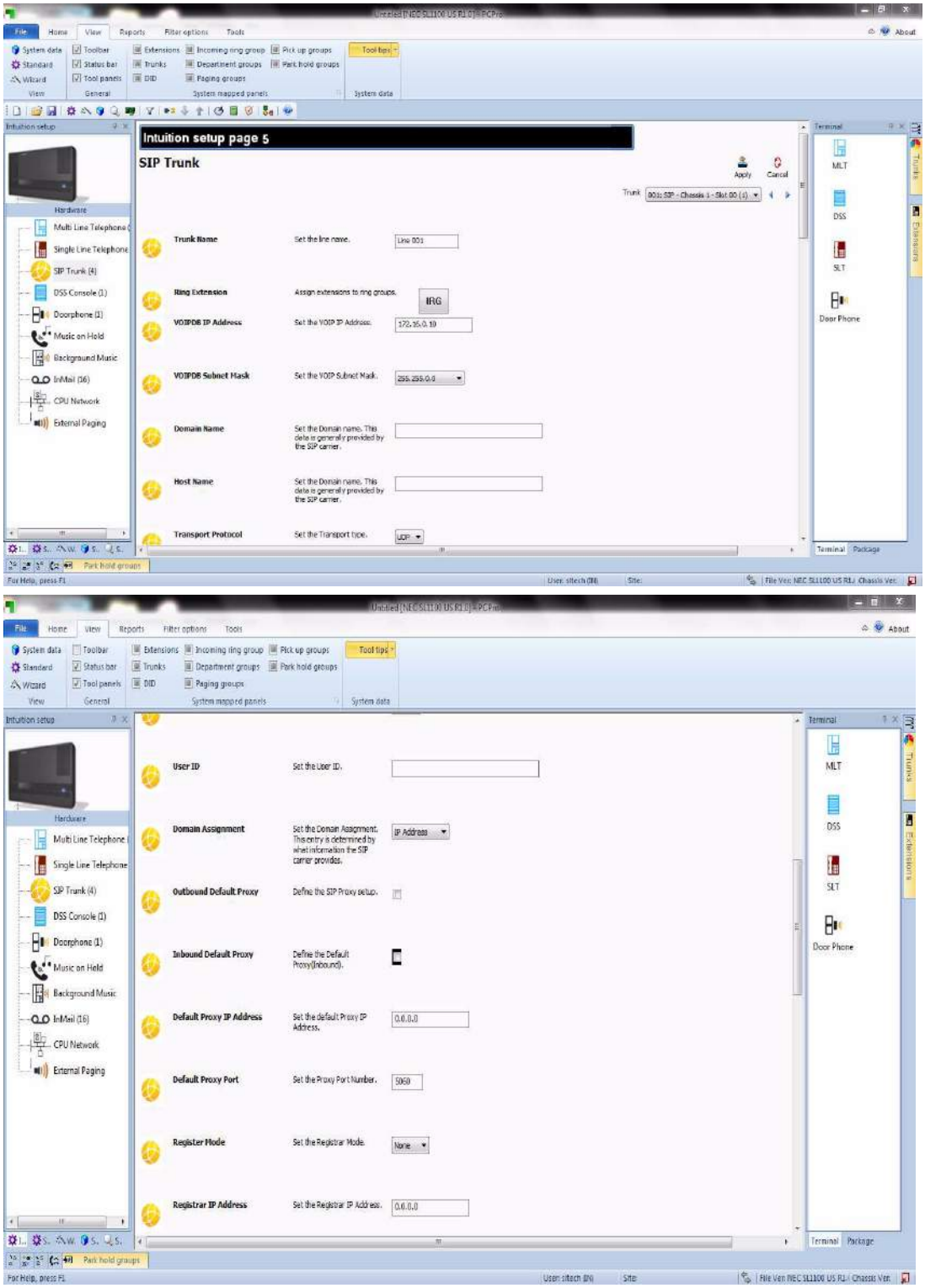
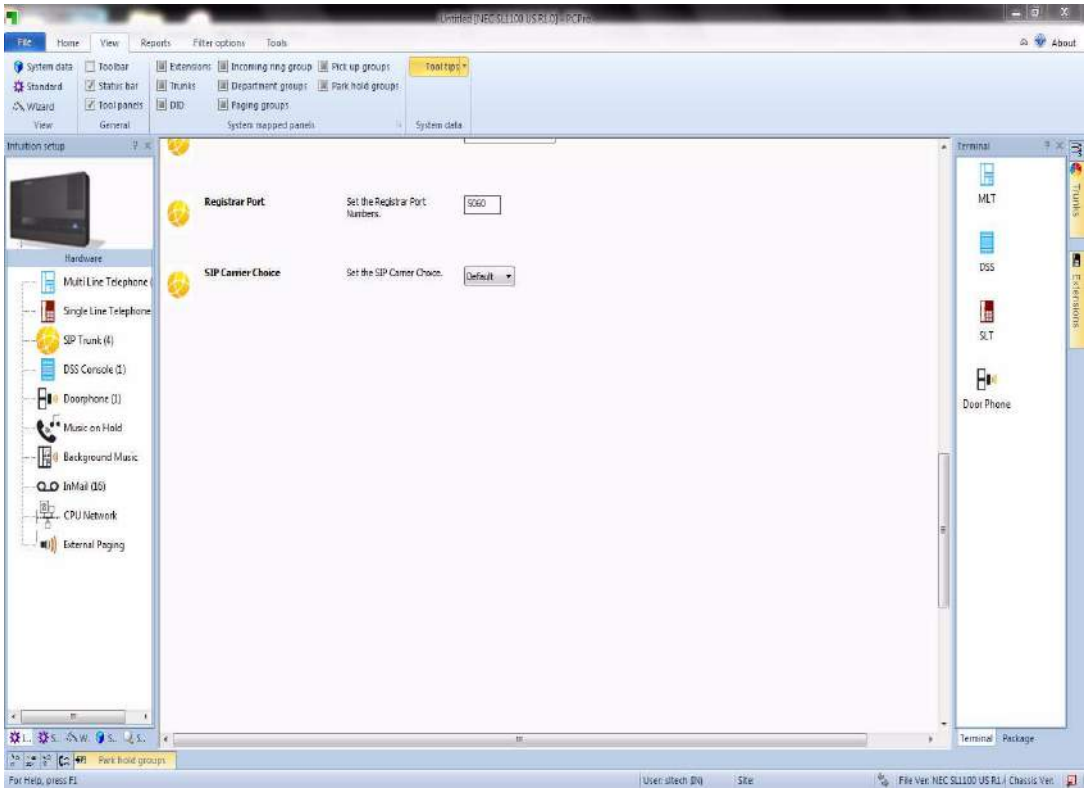


Figure 4-19 Intuition Mode Page 5 (SIP Trunk Setup)



1. Assign Trunk Name.
2. Assign an optional Incoming Ring Group for the trunk.
3. Assign the VoIP IP address.
4. Assign the VoIP Subnet Mask.
5. Assign the Domain Name.
6. Assign the Host Name.
7. Assign the Transport Protocol.
8. Assign the User ID.
9. Assign the Domain Assignment.
10. Assign Outbound Default Proxy.
11. Assign Inbound Default Proxy.

12. Assign Default IP Proxy Address.
13. Assign Default Proxy Port.
14. Assign Register Mode.
15. Assign Register IP Address.
16. Assign Register Port.
17. Assign SIP Carrier Choice.
18. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

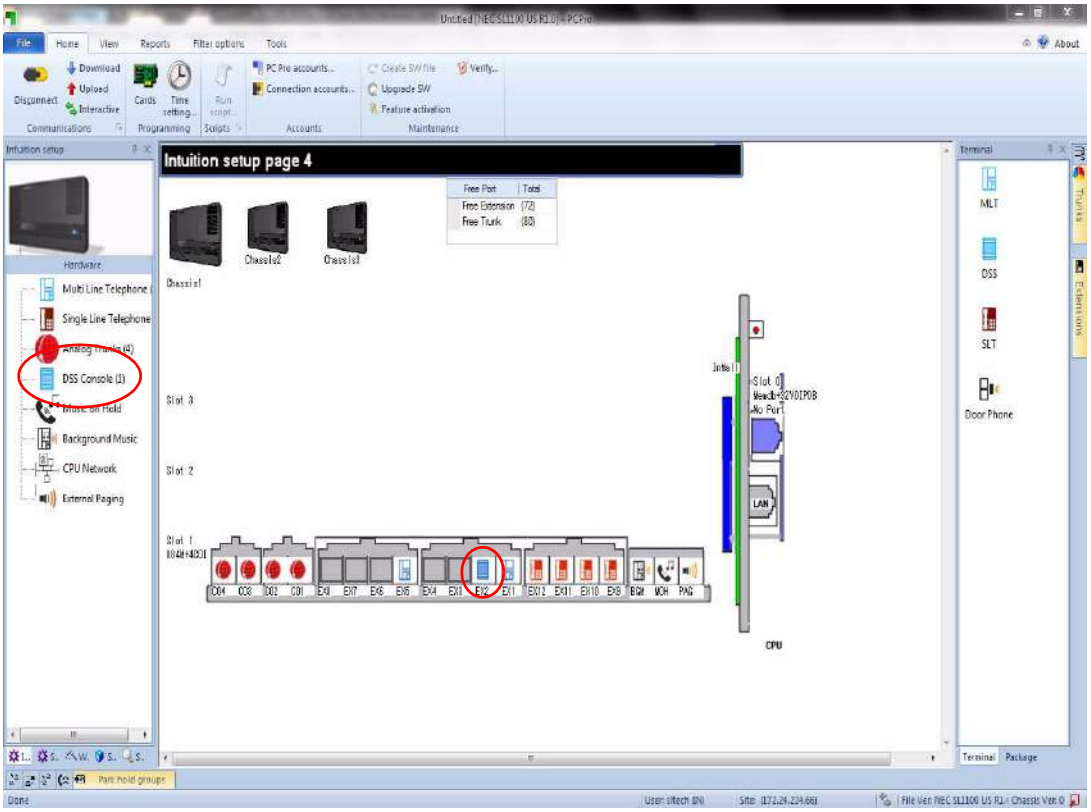


Figure 4-20 Intuition Mode Page 4 (DSS Console Setup)

You can configure the DSS Console by clicking a DSS console icon, or click on DSS Console Link on the left.

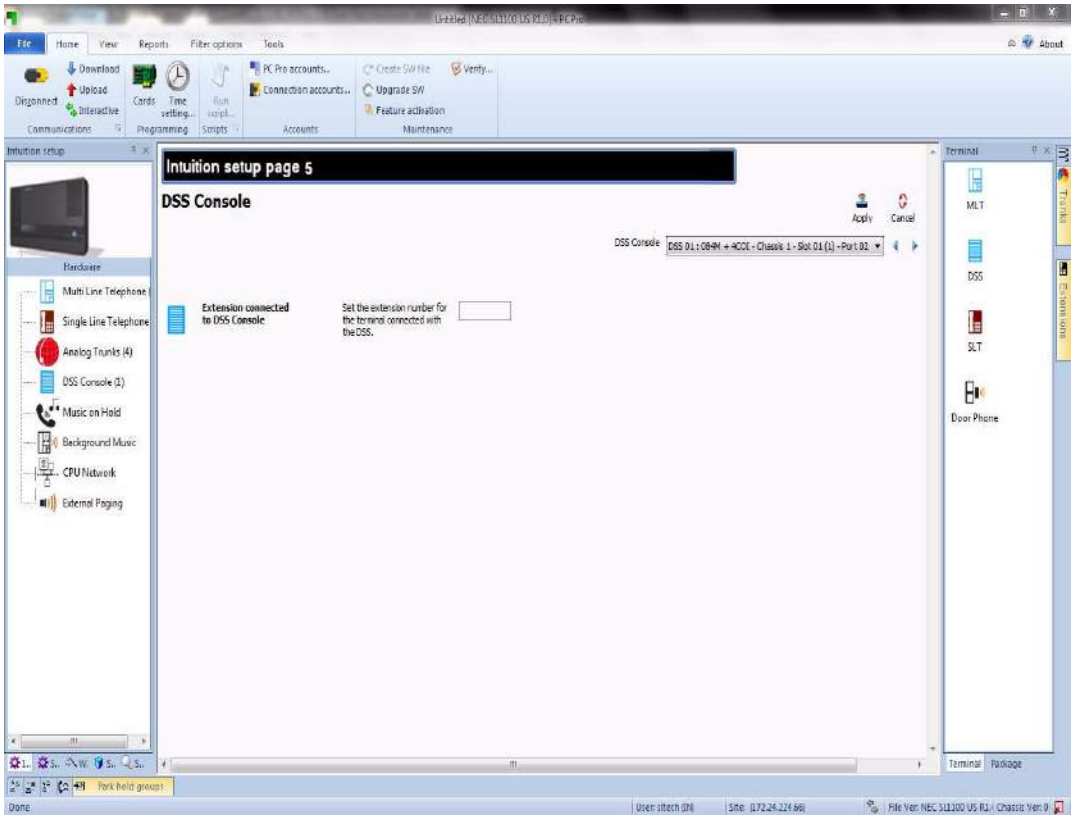


Figure 4-21 Intuition Mode Page 5 (DSS Console Setup)

1. Assign the extension that the DSS console is connected.

2. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

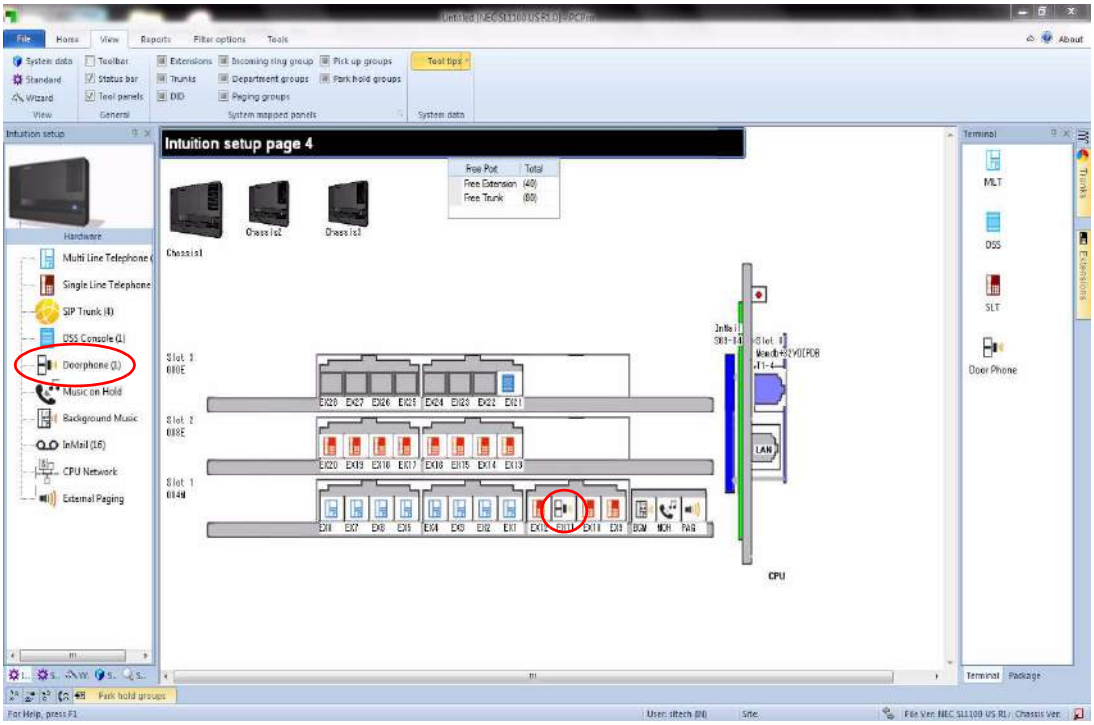


Figure 4-22 Intuition Mode Page 4 (Doorphone Setup)

You can configure the Doorphone by clicking a the Doorphone icon, or click on the Doorphone Link on the left.

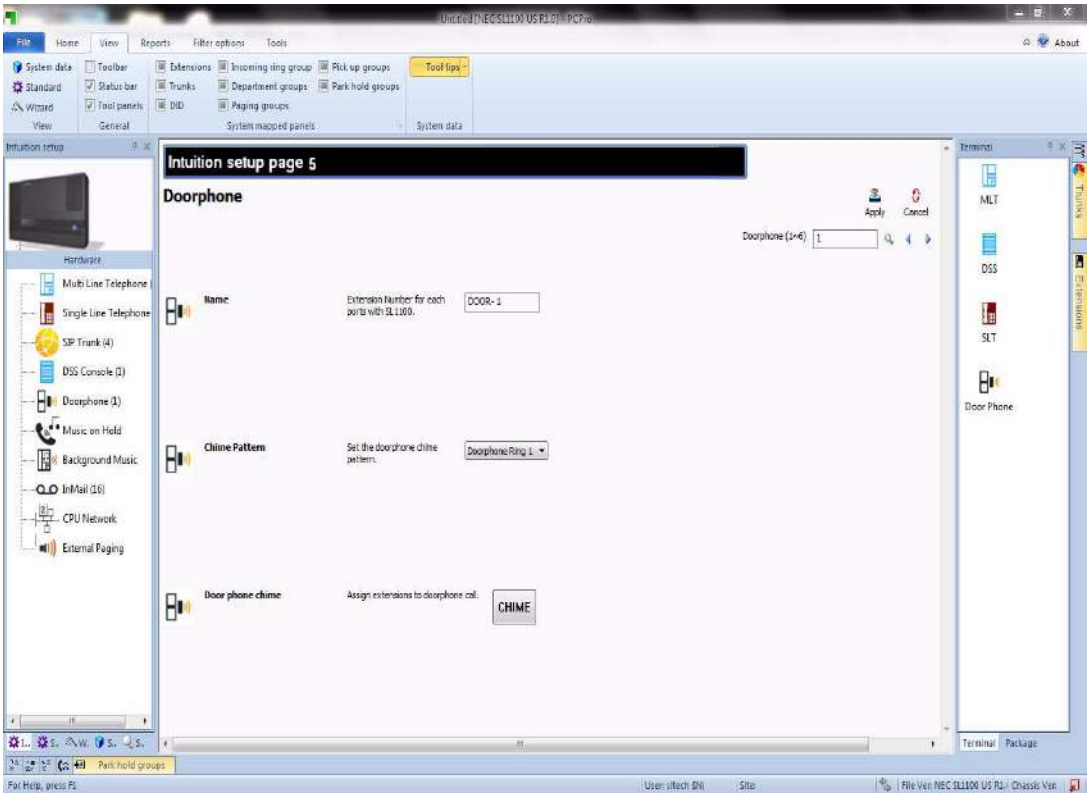


Figure 4-23 Intuition Mode Page 5 (Doorphone Setup)

1. Assign the Doorphone name.
2. Assign the Chime Pattern.
3. Assign an optional Doorphone key on terminals.
4. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

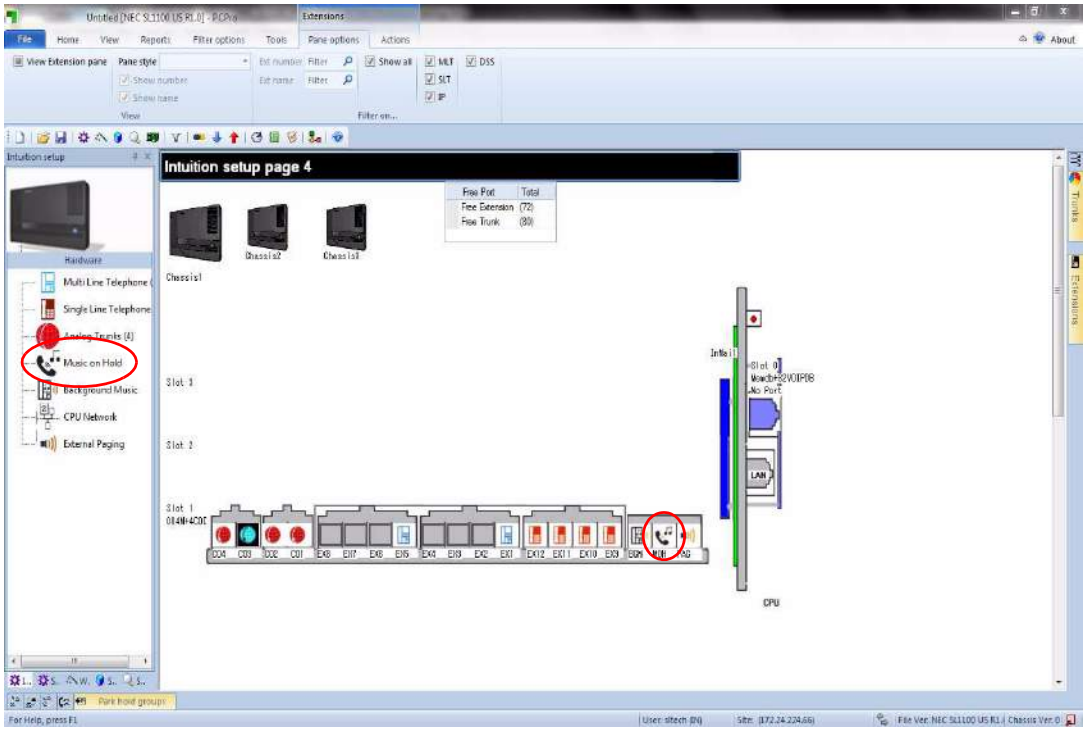


Figure 4-24 Intuition Mode Page 4 (Music on Hold Setup)

You can configure the Music on Hold by clicking a MOH icon, or click on the Music on Hold link on the left.

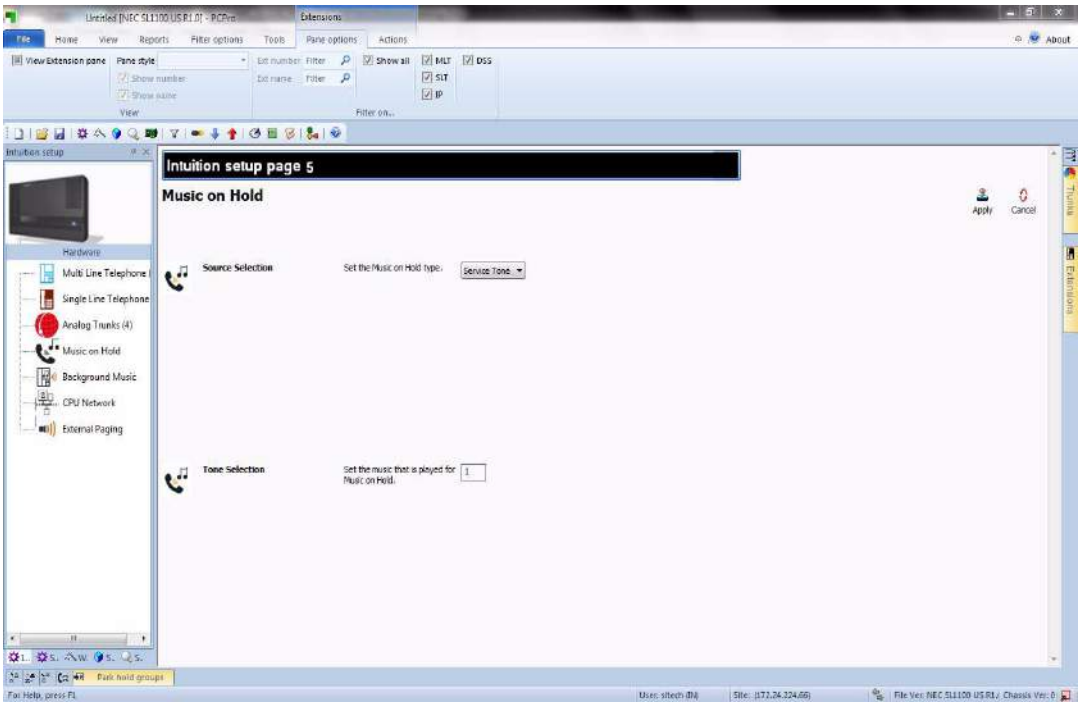


Figure 4-25 Intuition Mode Page 5 (Music on Hold Setup)

1. Assign the Source Selection.

2. Assign the Tone Selection based on the Source Selection.

3. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

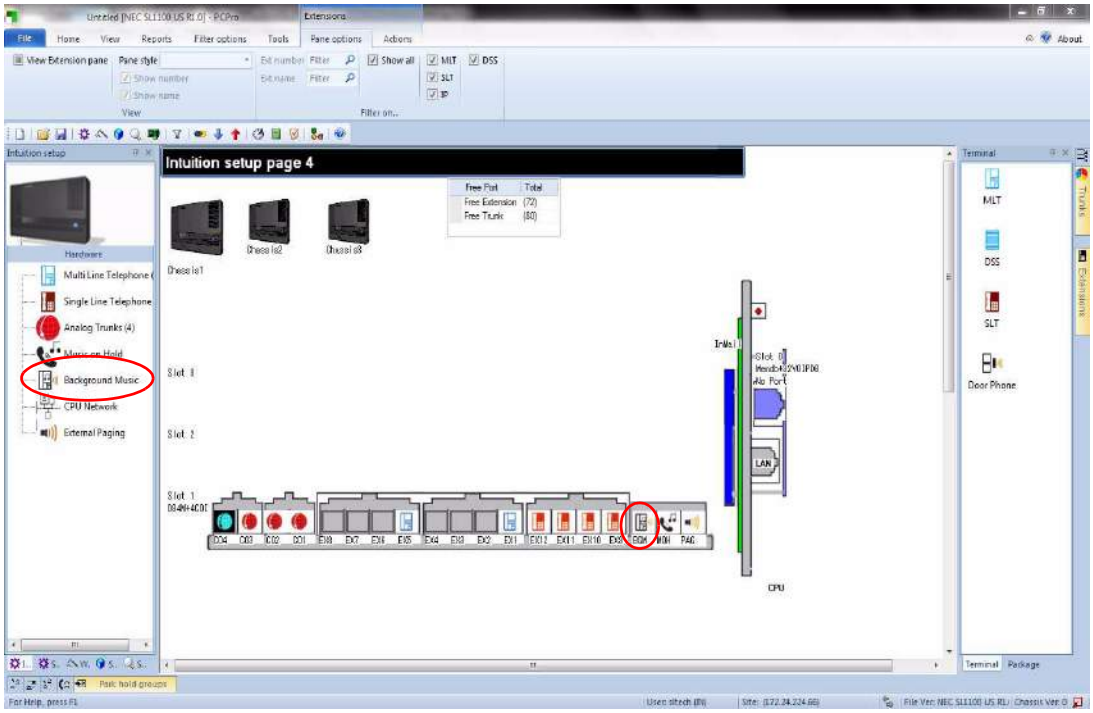


Figure 4-26 Intuition Mode Page 4 (Background Music Setup)

You can configure the Background Music by clicking a BGM icon, or click on the Background Music Link on the left.

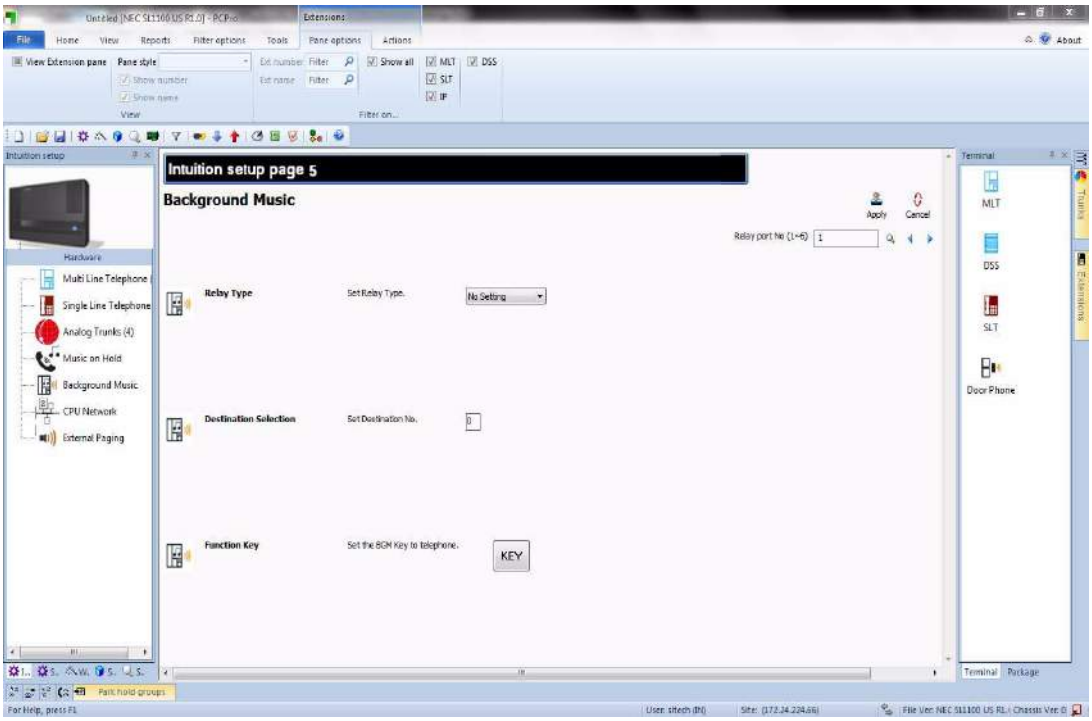


Figure 4-27 Intuition Mode Page 5 (Background Music Setup)

1. Assign the Relay Type.
2. Assign the Destination Selection based on Relay Type.
3. Assign optional Function Key on terminals.
4. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

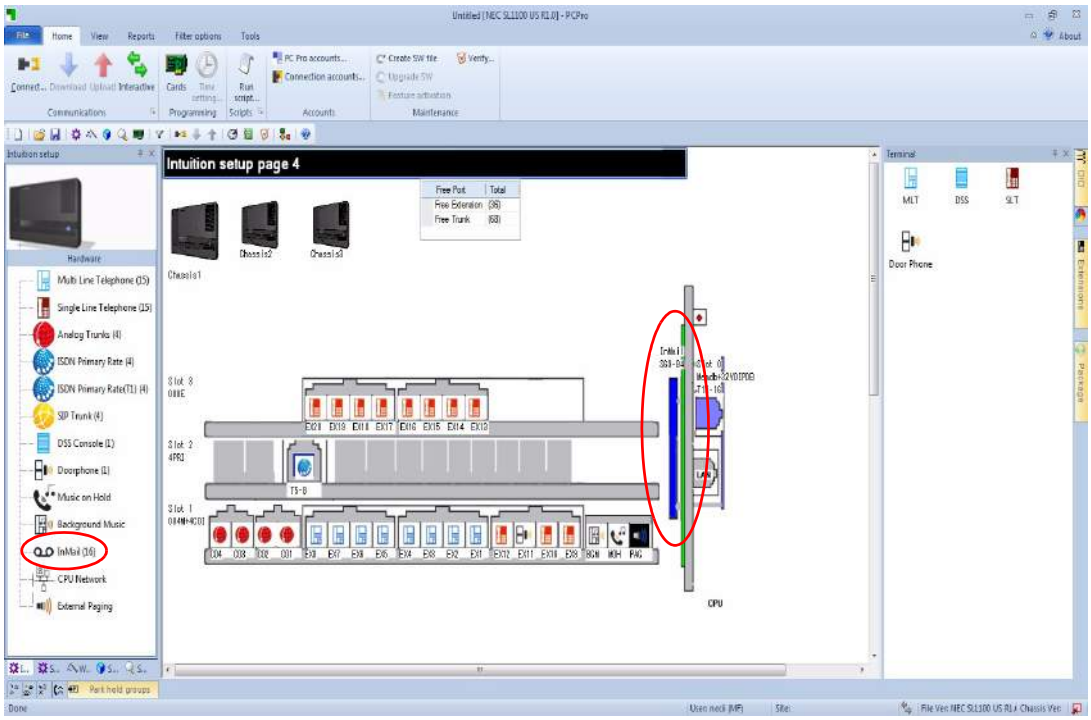


Figure 4-28 Intuition Mode Page 4 (InMail Setup)

You can configure InMail by clicking an InMail icon, or click on the InMail link on the left.

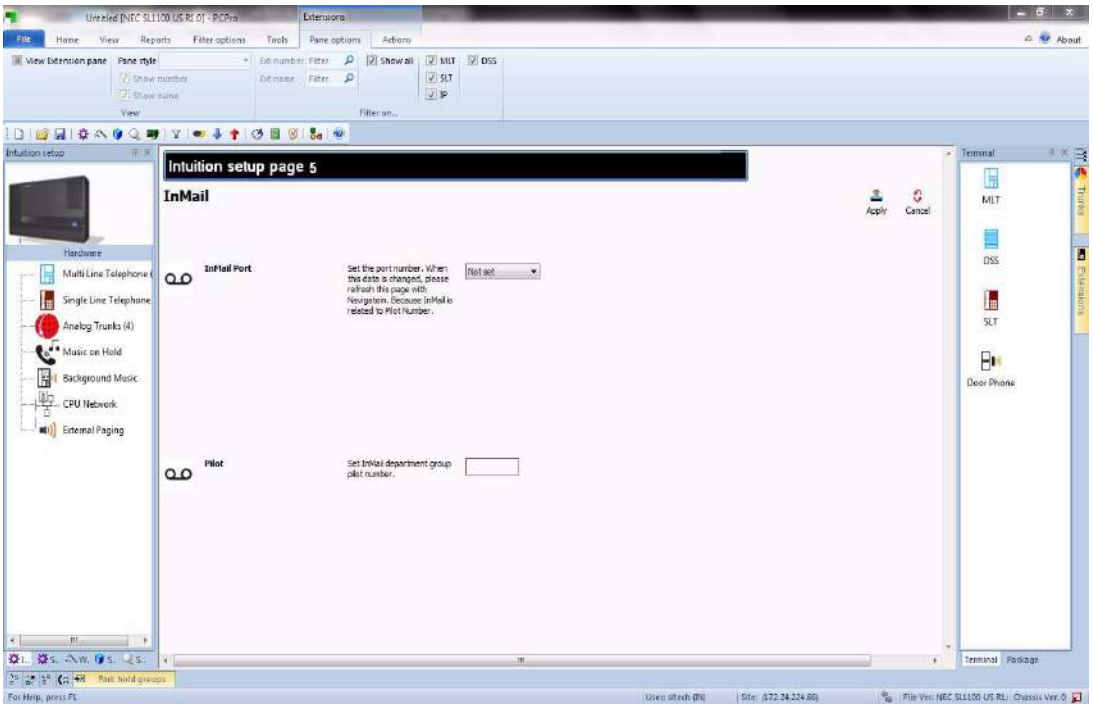


Figure 4-29 Intuition Mode Page 5 (InMail Setup)

1. Assign the InMail Port.

2. Assign the InMail Pilot Number.

3. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

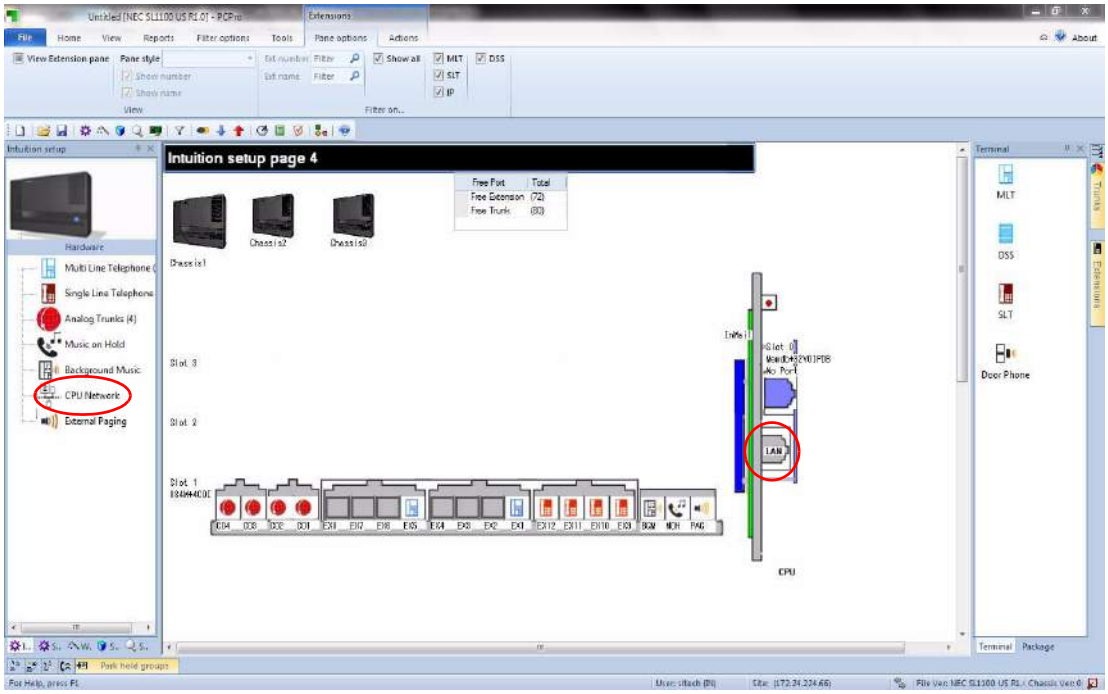


Figure 4-30 Intuition Mode Page 4 (CPU Network Setup)

You can configure the CPU Network by clicking the LAN icon, or click on the CPU Network on the left.

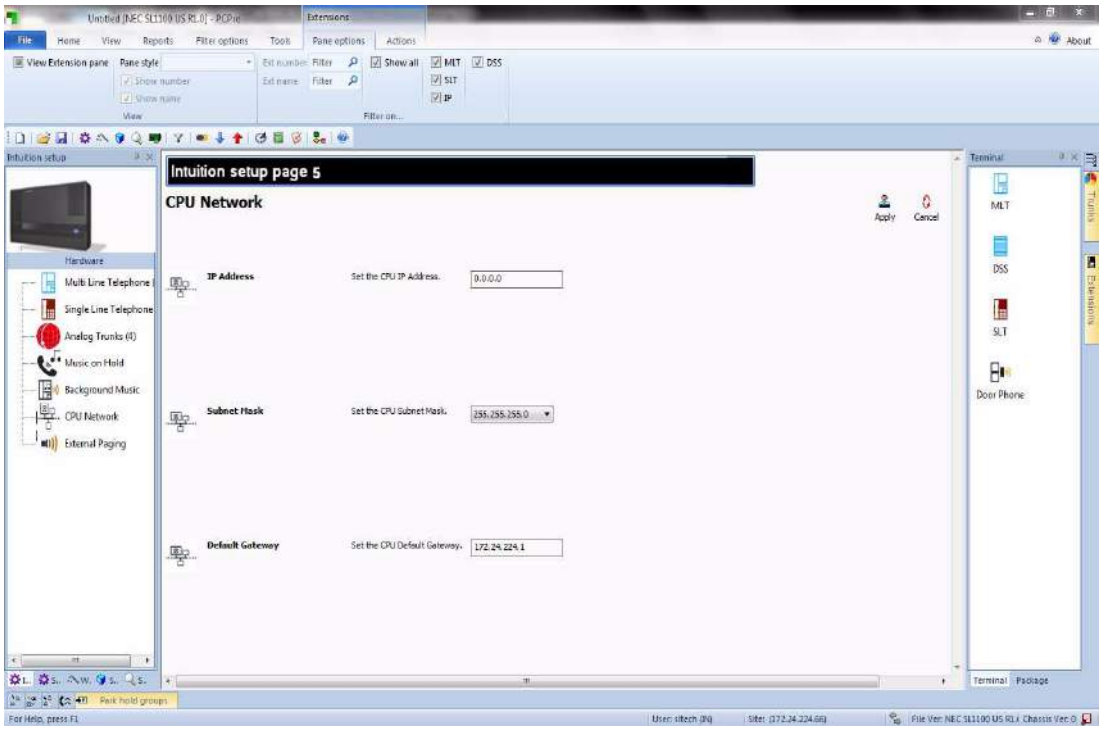


Figure 4-31 Intuition Mode Page 5 (CPU Network Setup)

1. Assign the IP Addess.
2. Assign the Subnet Mask
3. Assign the Default Gateway.
4. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking it on the left. Example, Single Line Telephone, Analog Trunk, etc…

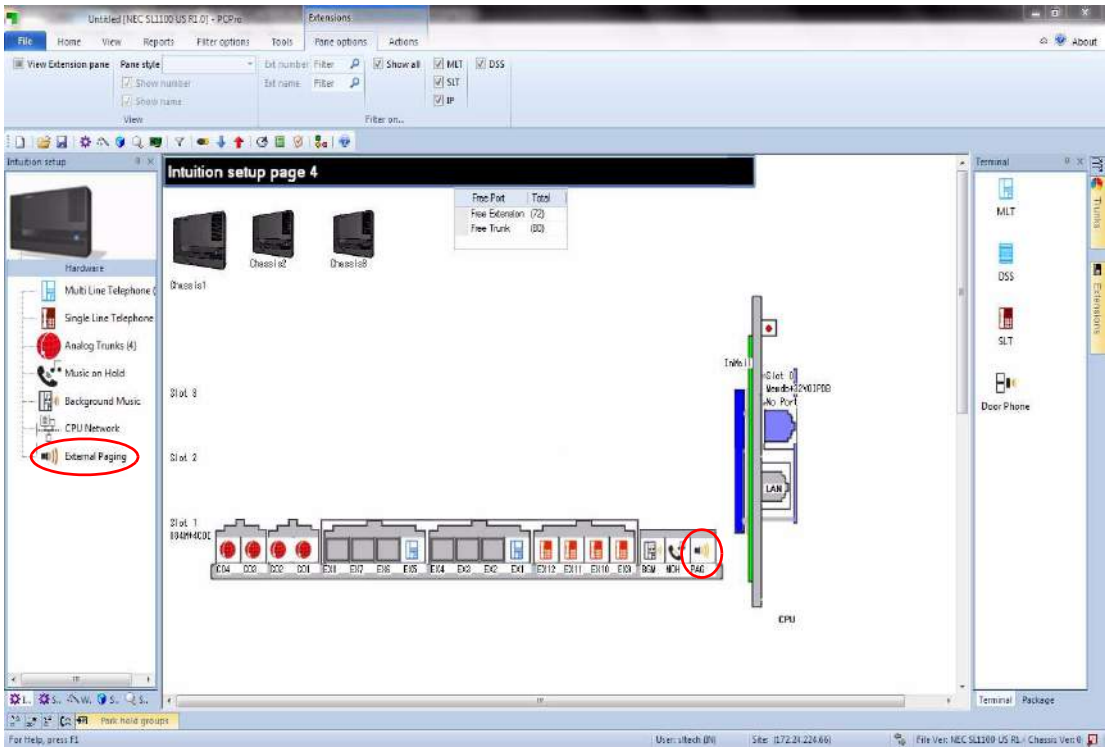


Figure 4-32 Intuition Mode Page 4 (External Paging Setup)

You can configure External Paging by clicking the PAG icon, or click on the External Paging link on the left.

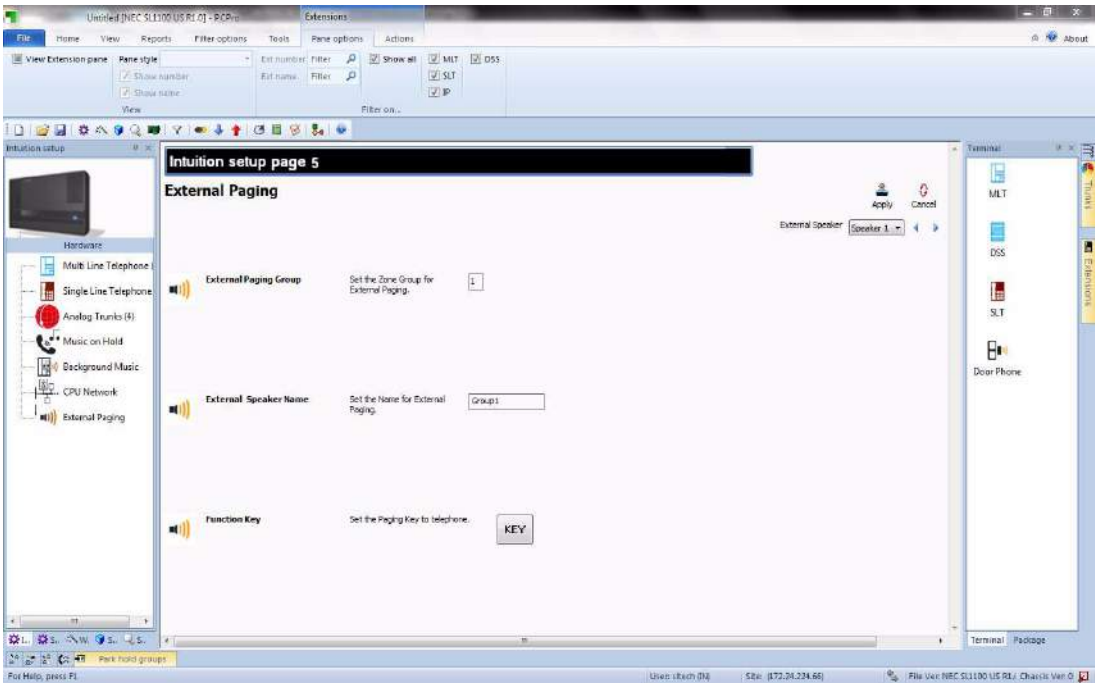


Figure 4-33 Intuition Mode Page 4 (External Paging Setup)

1. Assign the External Page Group
2. Assign the External Speaker Name.
3. Assign an optional Function Key onto Terminals.
4. You can go back to Chassis Setting Page by clicking the SL1100 Chassis, or go to the next type of setup by clicking on the left. Example, Single Line Telephone, Analog Trunk, etc…

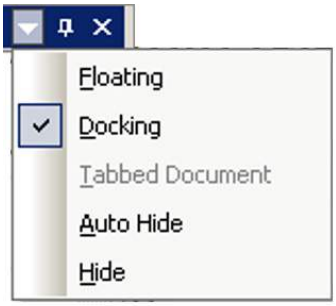
-- NOTES --

CHAPTER 5 *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 identified by their name. This name indicates the tasks with which the screen is related.

Window View: Clicking this icon displays the flyout, which allows you to select how you want the Standard submenu displayed. Right mouse clicking also displays this menu.



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 5-1 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…

- Select the toolbar icon depicting the purple cog .

  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. Standard screens are listed alphabetically.

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

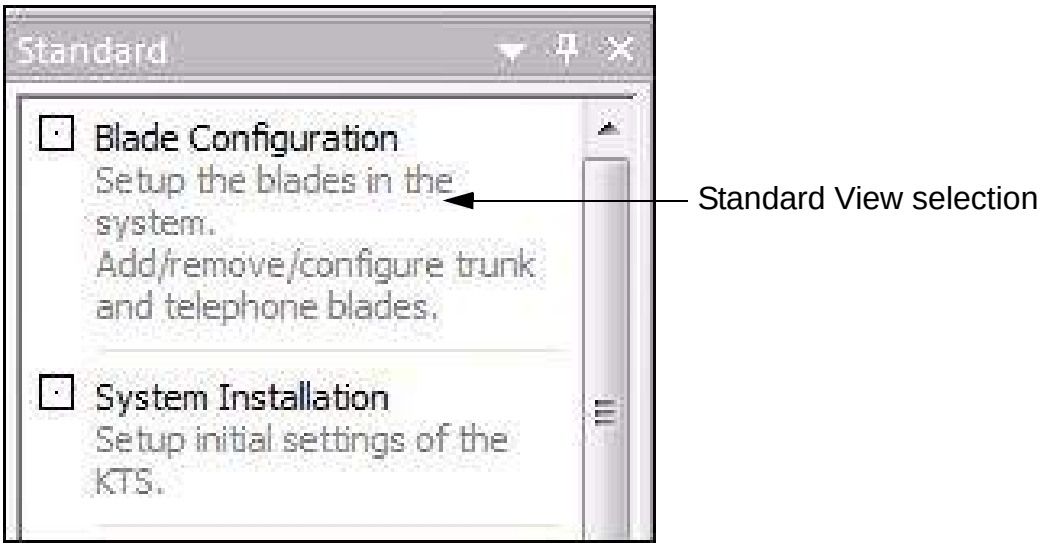


Figure 5-2 Selecting a Standard View Screen

2.2 Using a Standard View Screen

Each Standard View screen works differently. 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.

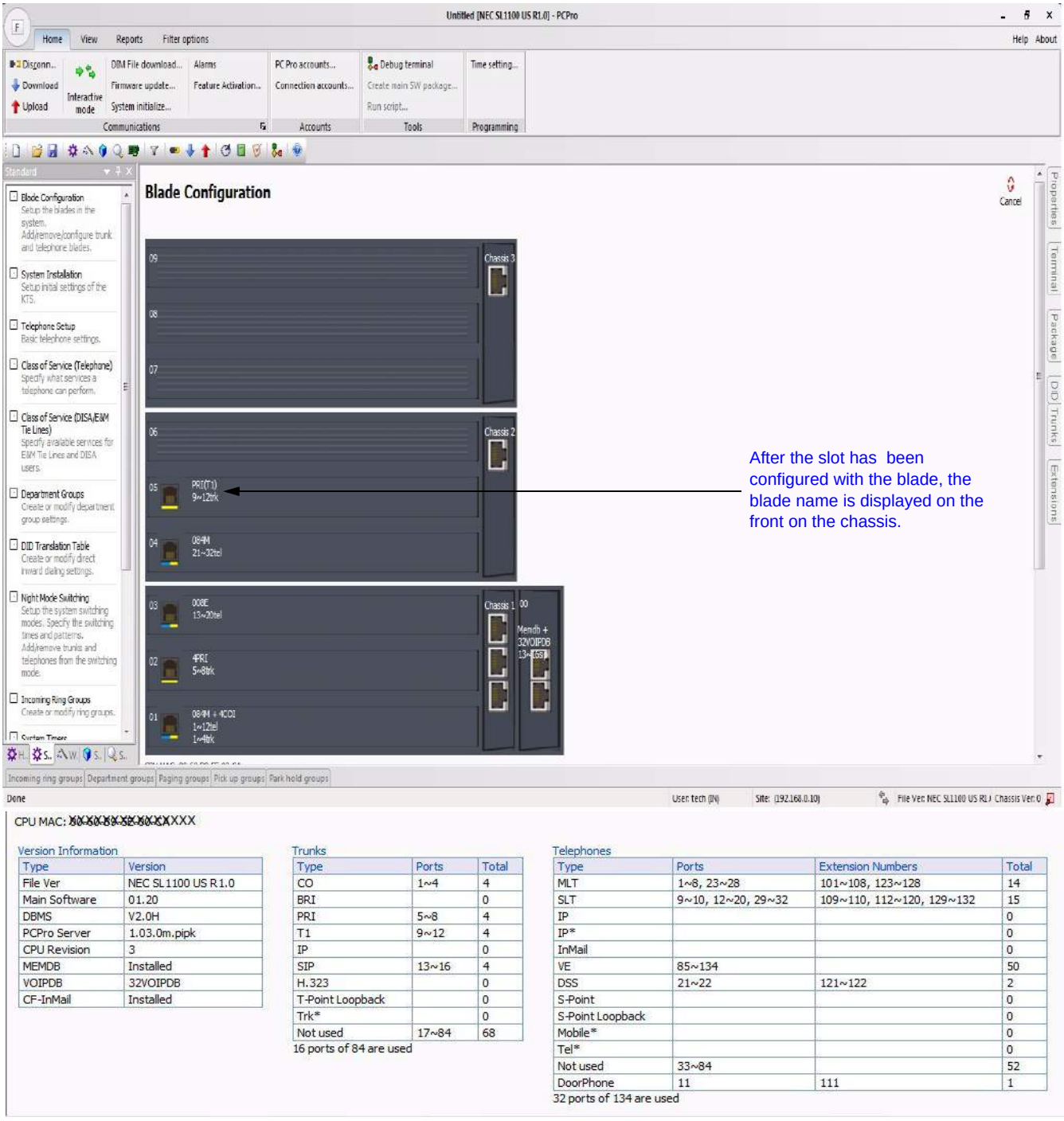
The remainder of this chapter discusses the individual options available from the Standard View submenu.

SECTION 3 BLADE CONFIGURATION

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.

Refer to Figure 5-3 Standard View Blade Configuration Screen on page 5-4 for the layout of the Blade Configuration screen.



Version Information

Type	Version
File Ver	NEC SL1100 US R1.0
Main Software	01.20
DBMS	V2.0H
PCPro Server	1.03.0m.pipk
CPU Revision	3
MEMDB	Installed
VOIPDB	32VOIPDB
CF-InMail	Installed

Trunks

Type	Ports	Total
CO	1~4	4
BRI		0
PRI	5~8	4
T1	9~12	4
IP		0
SIP	13~16	4
H.323		0
T-Point Loopback		0
Trk*		0
Not used	17~84	68

16 ports of 84 are used

Telephones

Type	Ports	Extension Numbers	Total
MLT	1~8, 23~28	101~108, 123~128	14
SLT	9~10, 12~20, 29~32	109~110, 112~120, 129~132	15
IP			0
IP*			0
InMail			0
VE	85~134		50
DSS	21~22	121~122	2
S-Point			0
S-Point Loopback			0
Mobile*			0
Tel*			0
Not used	33~84		52
DoorPhone	11	111	1

32 ports of 134 are used

Figure 5-3 Standard View Blade Configuration Screen

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.

3.2 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.

SECTION 4 SYSTEM INSTALLATION

The System Installation screen allows you to assign initial settings for the SL1100 system.

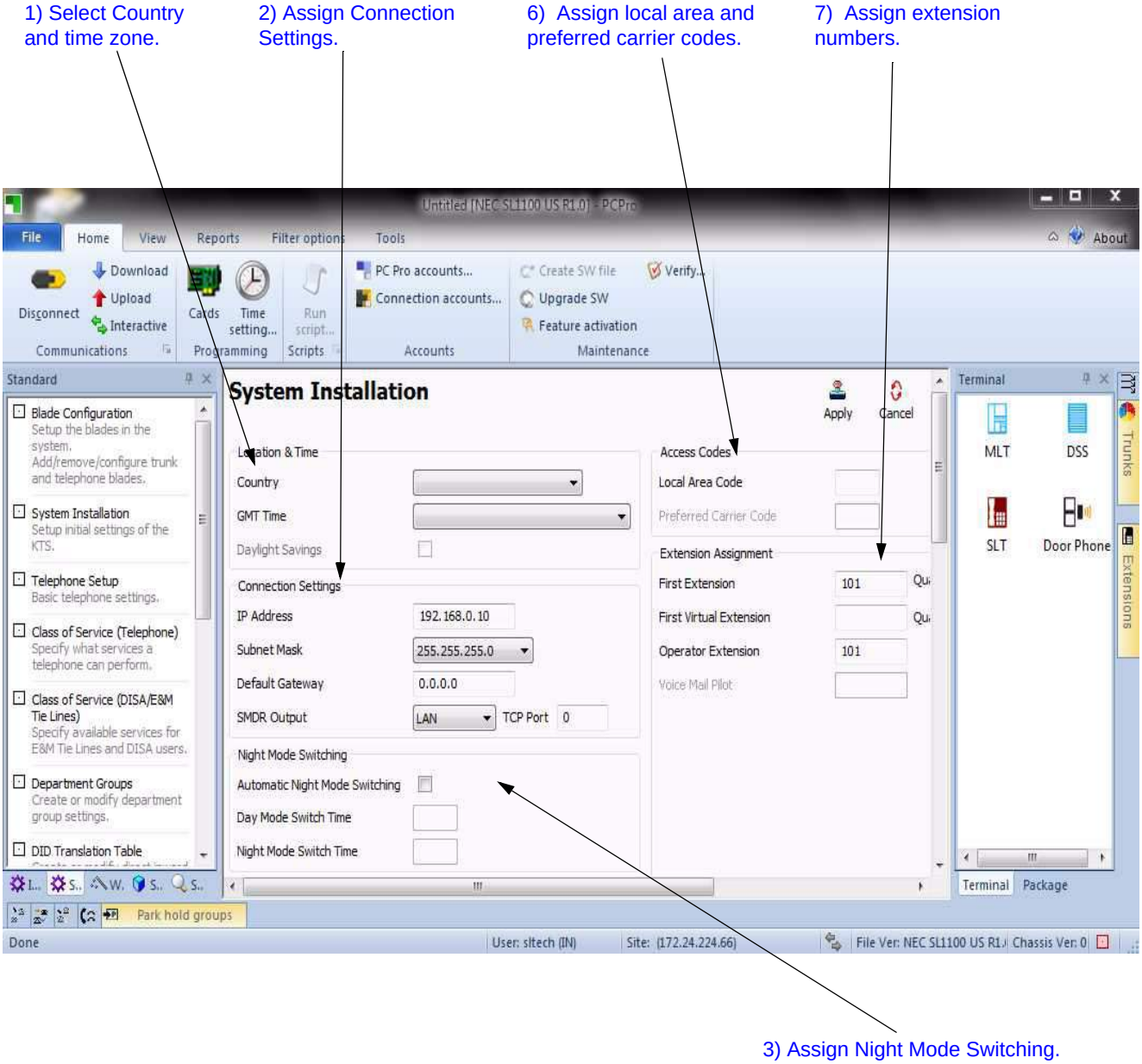


Figure 5-4 Standard View System Installation

To assign the initial system settings:

1. Select the **Country** (United States or Canada) and **GMT Time** (appropriate time zone) where the system installed.

2. Assign the **IP Address**, **Subnet Mask**, **Default Gateway**, and **SMDR Output** as required for the installation site.

3. Assign whether the system automatically switches to Night Mode. If you select **Automatic Night Mode Switching**, you also need assign the time the system switches to day mode (**Day Mode Switch Time**) and to night mode (**Night Mode Switch Time**).

4. Use the pulldown menus to disable Music on Hold or Background Music, or assign the music source.

5. Select **InMail** if this is the voice mail that the system uses.

6. Assign the **Local Area Code** and **Preferred Carrier Code**.

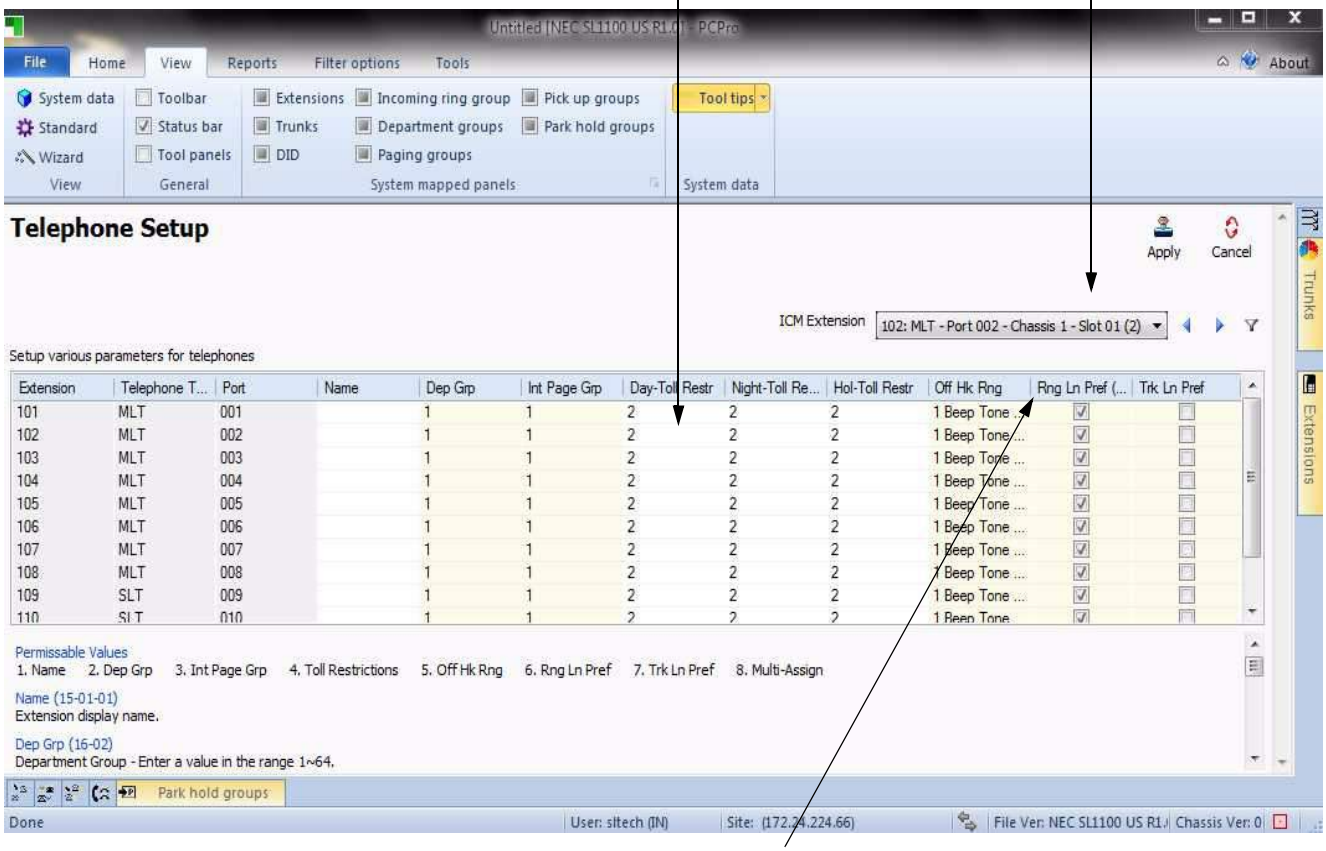
7. Assign extension numbers for virtual, operator, Music on Hold ACI extension and Background Music ACI extensions. Also assign the Voice Mail Pilot extension. The Current Extension Plan for the assigned extensions is displayed (this field is view only).

SECTION 5 TELEPHONE SETUP

This screen combines system data, which is relevant for telephone settings. It allows you to assign basic telephone settings.

2~7) Assign the appropriate telephone setup options.

1) Select the ICM Extension to view.



Highlight the areas for multi-assignment and right mouse click to open the MultiAssign dialog box.

Figure 5-5 Standard View Telephone Setup

To assign the basic telephone settings.

1. Use the **ICM Extension** pulldown menu to select a specific extension you want to view. The selected extension is highlighted.
2. Assign the **Name (**Extension Name) that is displayed.
3. Assign a **Dep Grp** (Department Group) to the selected telephone for incoming ringing priority.
4. Assign the **Int Page Grp** (Internal Paging Group) selected telephone to an internal paging group (e.g., to assign the telephone paging zones and to specify whether the telephone can receive internal all call paging).
5. Assign **Day-Toll Restr** (Day Mode Toll Restriction) class for Day Mode.
6. Assign **Night-Toll Restr** (Night Mode Toll Restriction) for Night Mode.
7. Assign **Hol-Toll Restr** (Holiday Mode Toll Restriction) for Holiday Mode.
8. Use the pulldown menu to assign **Off Hk Rng** (Off-Hook Ringing) to the extension.
9. Enable/Disable **Rng Ln Pref** (Ringing Line Preference) for the extension.
10. Enable/Disable **Trk Ln Pref** (Trunk Line Preference) for the extension.
11. Click **Apply** to save the settings.

MultiAssignment

Telephones the have the same properties can be assigned in a block by using the MultiAssign feature**.**

The extension name cannot be multi-assigned.

To assign properties to a block of telephones:

1. Select the area of cells to be assigned in a block.
2. Right click the mouse within the selected area. The MultiAssign dialog box is displayed. (Refer to Figure 5-5 Standard View Telephone Setup on page 5-8.)

   The MultiAssign dialog is filled with the values from the top most selected lines. If any cells on that line are disabled, the default value for that item is used. Columns that are not selected are disabled.

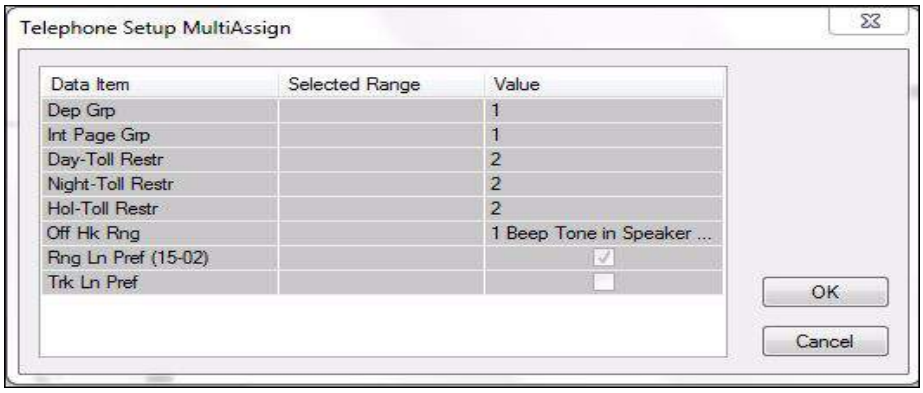


Figure 5-6 Standard View Telephone Setup MultiAssign Dialog

3. Make your selections and click **OK**. All selected telephones are assigned the values in the MultiAssign dialog box.

SECTION 6 CLASS OF SERVICE FOR TELEPHONES

This screen combines system data relevant to Class of Service Options for telephones.

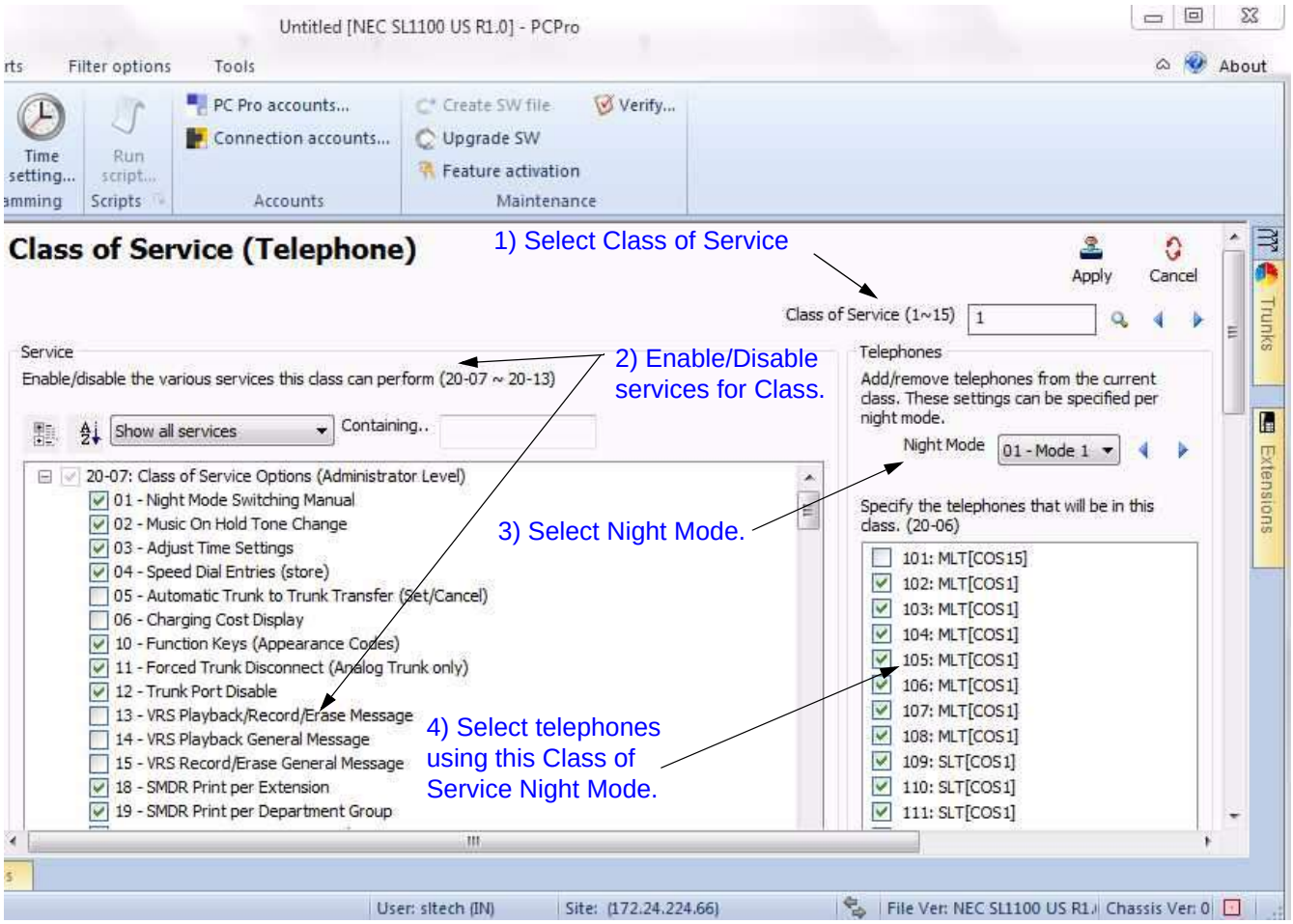
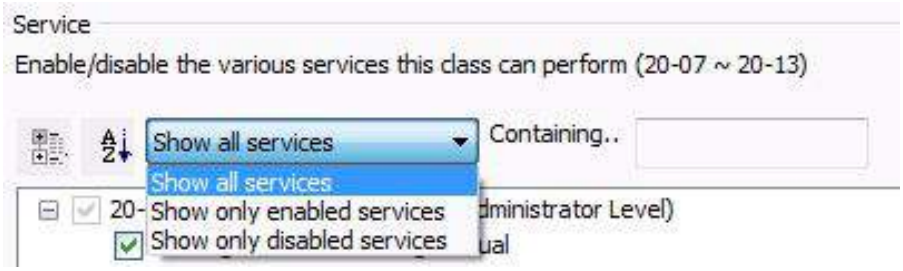


Figure 5-7 Standard View Class of Service for Telephones

The assign Class of Service settings for telephones:

1. Select the **Class of Service (1~15)** you want to assign to the telephones.
2. Enable/Disable telephone-specific service options for the selected Class of Service. These settings are linked with programs 20-07, 20-08, 20-09, 20-10, 20-11, 20-12 and 20-13.

You can select one of three options for viewing the services:
Show all services.
or....
Show only enabled services.
or....
Show only disabled services.



You can also choose how you want to view the options:
Categorized *(by program)*
or....
Alphabetic *(by feature name)*

3. Select the **Night Mode** from the pulldown menu.
4. Click the telephones that you want to assign to the specified Night Mode.

   The selected telephones will be members of the class during the selected Night Mode. These settings are linked with 20-06.
5. Click **Apply** to save the settings.

SECTION 7 CLASS OF SERVICE FOR DISA/E&M TIE LINES

This screen combines system data relevant to Class of Service options for DISA users and E&M Tie Lines.

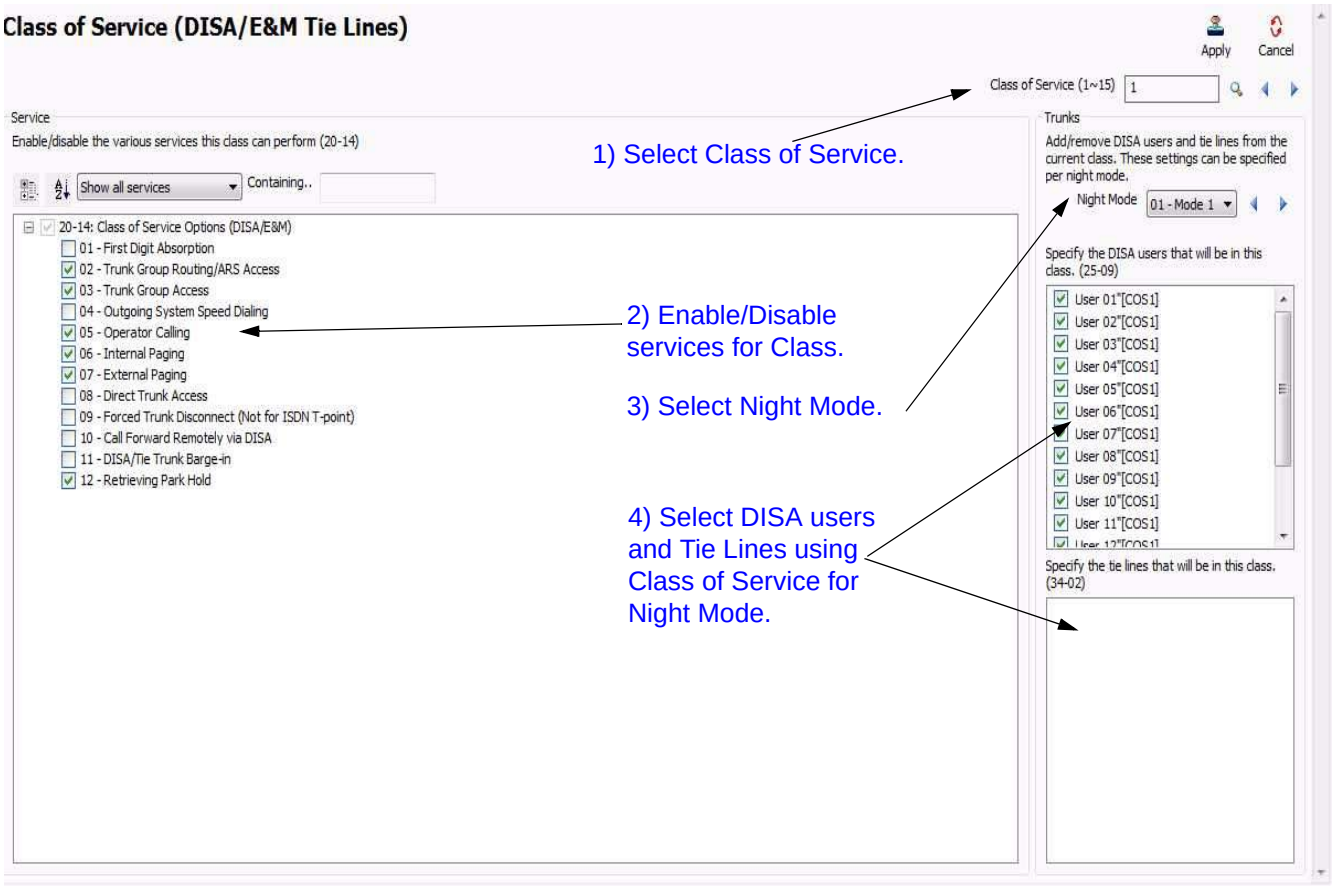
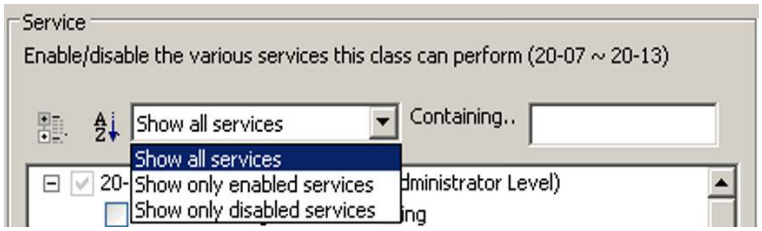


Figure 5-8 Standard View Class of Service for DISA/E&M Tie Lines

To assign Class of Service options for DISA and E&M Tie Lines.

1. Select the **Class of Service (1~15)** you want to assign to the telephones.
2. Enable/Disable telephone-specific service options for the selected Class of Service. These settings are linked with programs 20-14.

You can select one of three options for viewing the services:
Show all services.
or....
Show only enabled services.
or....
Show only disabled services.



You can also choose how you want to view the options:

Categorized *(by program)*

or....

Alphabetic *(by feature name)*

3. Select the **Night Mode** from the pulldown menu.

4. Click the DISA users and E&M Tie Lines that you want to assign to the specified Night Mode.

   The selected DISA users and E&M Tie Lines will be members of the class during the selected Night Mode. DISA settings are linked with program 25-09 and E&M Tie Line settings are linked with program 34-02.

5. Click **Apply** to save the settings.

SECTION 8 DEPARTMENT GROUPS

This screen combines system data relevant to the feature **Department Groups**.

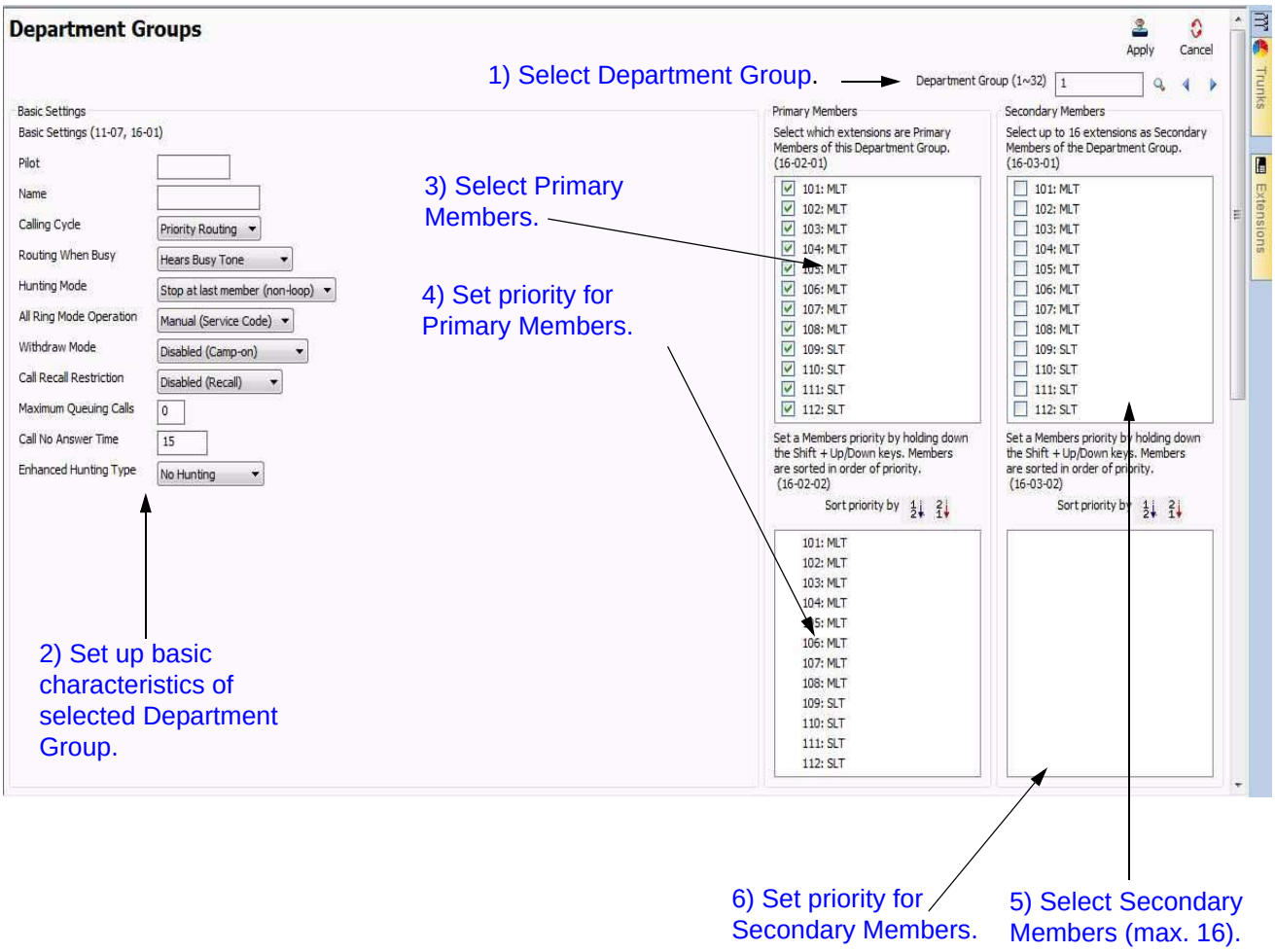


Figure 5-9 Standard View Department Groups

To setup up a Department Group:

1. Specify a **Department Group** to modify.
2. Specify basic characteristics (**Basic Settings**) of the Department Group.

   The **Basic Settings** section basic characteristics of the selected Department Group. These settings are linked with 16-01.

3. Select the extensions that are **Primary Members** of the Department Group.

   All extensions that are Primary Members of the selected Department Group are listed. Every extension must belong to one of the 32 available Department Groups. By default, all extensions are Primary Members of Department Group 1. By removing an extension from Department Group 1 it is automatically assigned to Department Group 32. These settings are linked with 16-02.

4. Specify the priority for the selected **Primary Members**.

   When an extension is selected as a Primary Member it automatically appears in the priority list (the list to the bottom of the Primary Member list). The priority of the selected extension can be modified by the following key combinations:

   - Shift + Up Arrow — Increase priority by 1
   - Shift + Down Arrow — Decrease priority by 1
   - Shift + Page Up — Increase priority by one page
   - Shift + Page Down — Decrease priority by one page
   - Shift + Home — Make highest priority
   - Shift + End — Make lowest priority

5. Select the extensions (maximum of 16) that are **Secondary Members** of the Department Group.

   All extensions that are Secondary Members of the selected Department Group are listed. A maximum of 16 extensions can be assigned as Secondary Members. These settings are linked with 16-03.

6. Specify the priority for the selected **Secondary Members**.

7. When an extension is selected as a Secondary Member it automatically appears in the priority list (the list to the bottom of the Secondary Member list). The priority of the selected extension can be modified by using the same key combinations as in the case of setting the priority for Primary Members.

SECTION 9 DID TRANSLATION TABLE

This screen combines system data relevant to the DID Translation Table and Trunk Groups using DID. These settings are used with the feature “Direct Inward Dialing”.

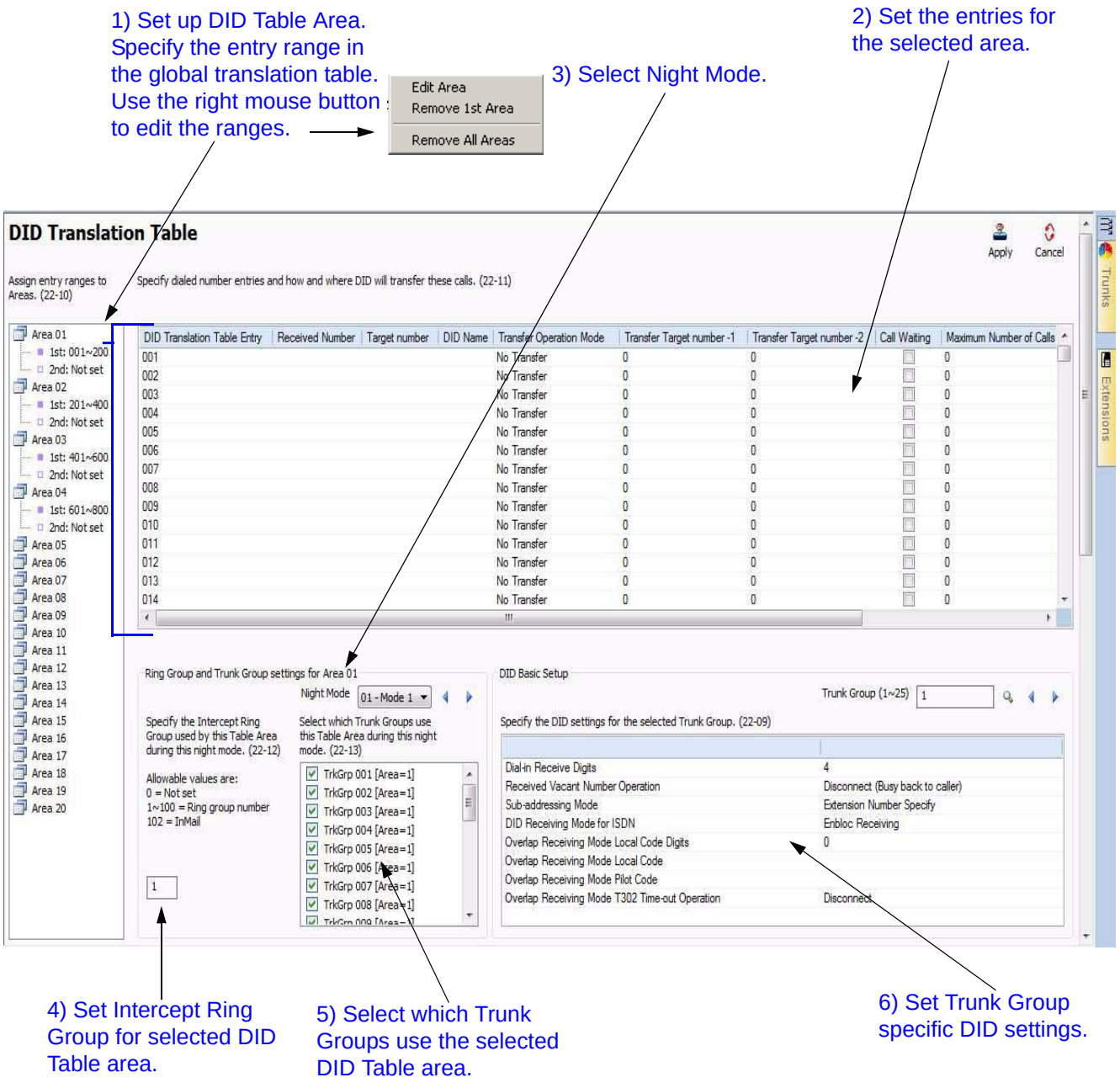


Figure 5-10 Standard View DID Translation Table

To setup the DID Translation Table and associate it with Trunk Groups:

1. Select and define a Table Area within the **DID Translation Table**.

   The DID Translation Table consists of 2000 entries that can be divided among 20 Table Areas, each being made up of a 1st and 2nd Area. Using the mouse, right click a Table Area to define its 1st and 2nd entry ranges it uses. These settings are linked with 22-10.

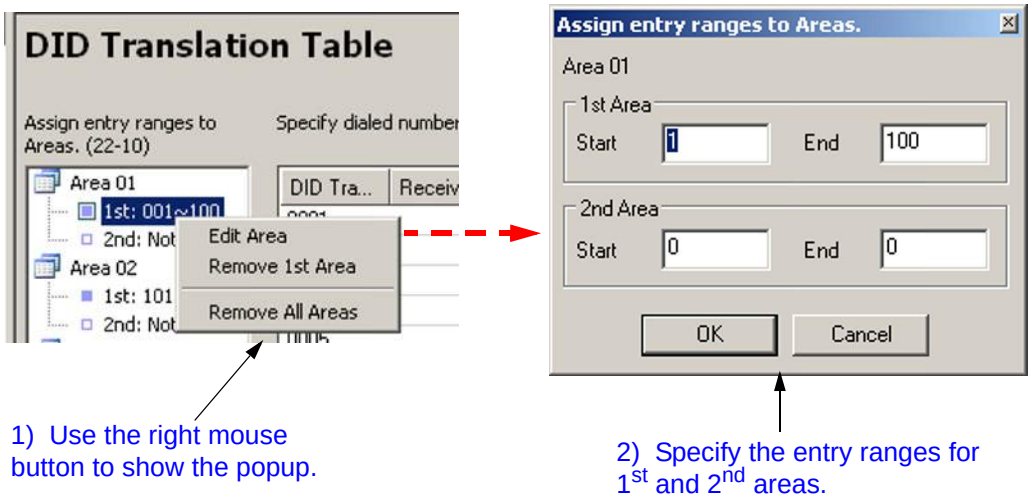


Figure 5-11 Standard View DID Table Area Edit Popups

   When a Table Area is selected, the grid to the right is updated with the new entry range. For example, selecting Area 01, 1st Area (entry ranges 001~100) will result in the grid showing the DID Table entries 001 to 100.

2. Specify the selected Table Area entries and how they are treated with DID.

   Table Area entries are located in the grid to the right of the Table Area list. It defines DID Table Area entries and how they are directed within the system. These settings are linked with 22-11.

3. Select the **Night Mode** to modify for DID.

   Assign the Trunk Groups that use the Table Area via this Night Mode selection. In addition, use this to help define the Intercept Ring Group calls get forward to during Night Modes. Do this by completing the following:

   - ❑ Select a Night Mode.
   - ❑ Select the Trunk Groups during this Night Mode that will use the selected Table Area.
   - ❑ Define the **Intercept Ring Group** calls that are forwarded during this Night Mode.

4. Specify the **Intercept Ring Group** to use by the Table Area during the selected Night Mode.

   Specifies if the call, during the selected Night Mode, is directed toward an Incoming Ring Group or voice mail. This setting only applies when the option is enabled in the associated DID Translation Table entry. This setting is linked with 22-12.

5. Select the **Trunk Groups** that use the Table Area during the selected Night Mode.

   This section lists the Trunk Groups that use the Table Area for DID during the selected Night Mode. These settings are linked with 22-13.

6. Specify the DID settings for the selected Trunk Group.

   The basic setup details for the Trunk Group DID settings are selected in this section. These settings are linked with 22-09.

SECTION 10 NIGHT MODE SWITCHING

This screen combines system data relevant to the Chassis feature “Night Service”.

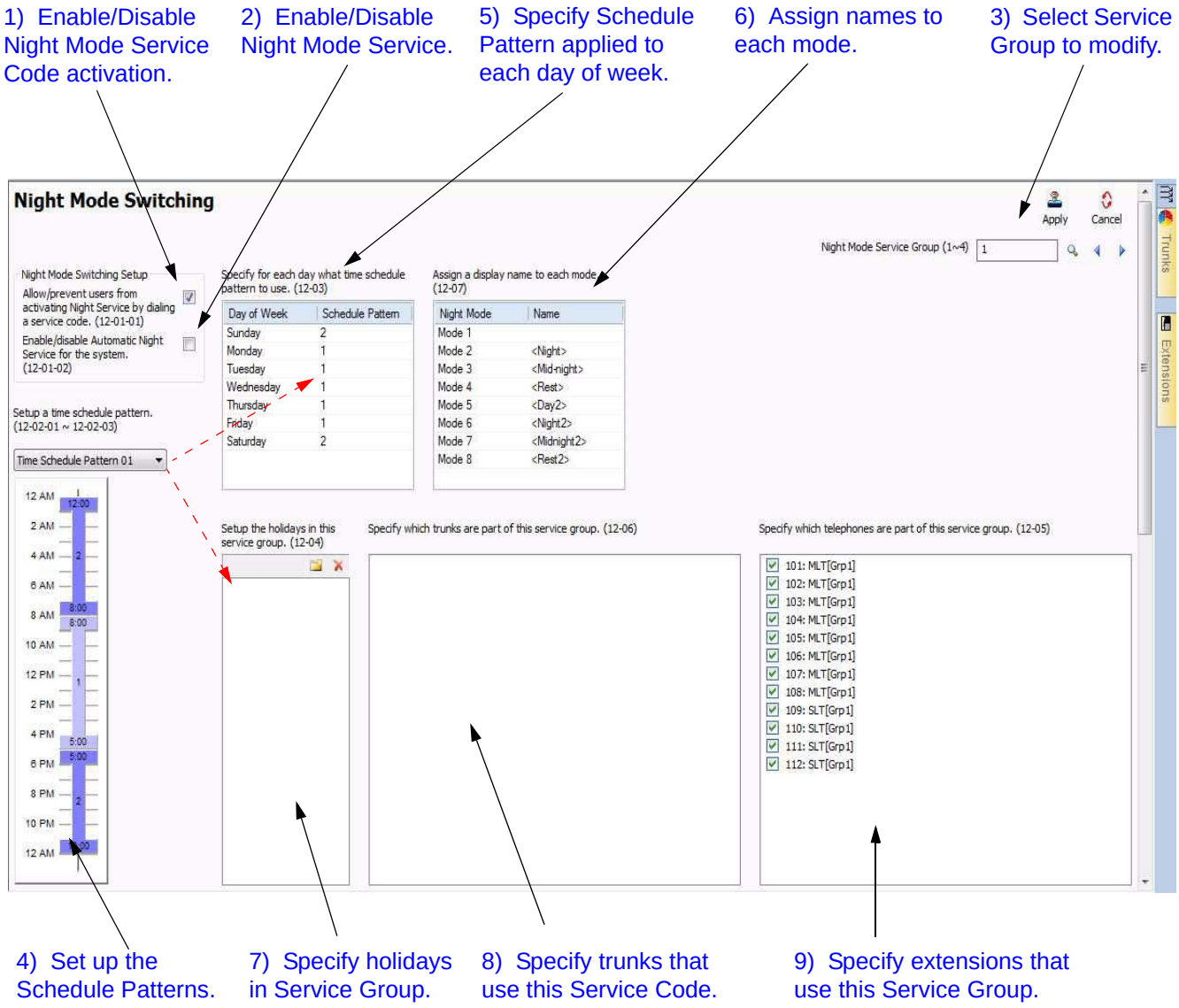


Figure 5-12 Standard View Night Mode Switching

To setup the Night Mode Switching options:

1. Enable/disable users from activating Night Mode Service via a service code.

   This selection enables/disables users from activating Night Mode Service via a service code. This setting is linked with 12-01-01.

   This is a system-wide setting and is applied across **ALL** Service Groups.

2. Enable/disable Automatic Night Mode Service.

   This selection enables/disables Night Mode Service for the system. This setting is linked with 12-01-01.

   This is a system-wide setting and is applied across **ALL** Service Groups.

3. Specify a **Night Mode Service Group (1~32)** to modify.

4. Define Schedule Patterns used by the selected Night Mode Service Group. Schedule Patterns are comprised of time frames that are associated to Night Modes.

   You can define up to 10 Schedule Patterns for the selected Night Mode Service Group. Schedule Patterns can be made up of 20 time frames. Each time frame is associated with a Night Mode. These settings are linked with 12-03.

   Refer to 10.1 Adding a Time Frame on page 5-22, 10.2 Removing a Time Frame on page 5-23, 10.3 Moving a Time Frame on page 5-23 and 10.4 Modifying a Time Frame on page 5-24.

5. Specify the Service Patterns applied to each day of the week.

   Define the Schedule Pattern used each day of the week by the selected Night Mode Service Group. These settings are linked with 12-03.

6. Assign a name to each Night Mode.

   This can be used to identify the time frame. Night Mode names defined here are referred to throughout the system. These settings are linked to 12-07.

7. Define public holidays and the Schedule Pattern used by the Night Mode Service Group on these days.

   These settings are linked with 12-04.

8. Select the trunks that are members of the Night Mode Service Group.

   These settings are linked with 12-06.

9. Select the extensions that are members of the Night Mode Service Group.

   These settings are linked with 12-05.

10.1 Adding a Time Frame

This section describes how to add a time frame to a schedule for night mode switching.

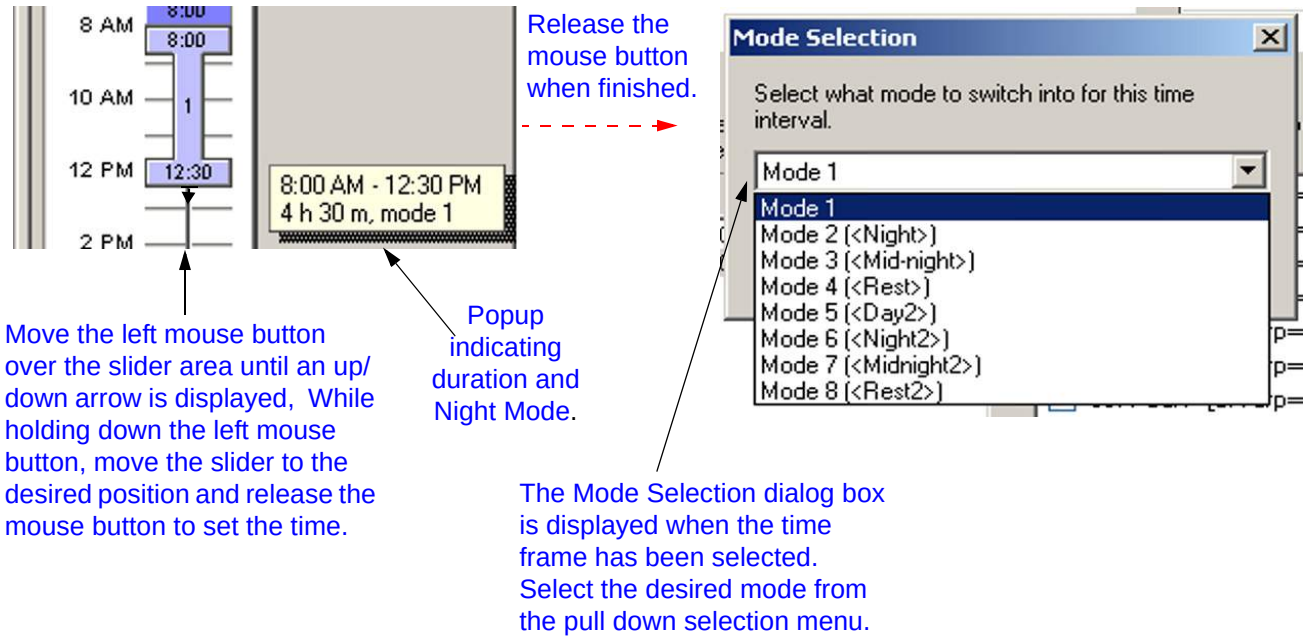


Figure 5-13 Standard View Night Mode Switching Adding Time Frame

To add a time frame in a Schedule:

1. Using the mouse on the Schedule Pattern bar, left click and drag from the starting time toward the end time. A colored bar appears defining this time frame. Keep the left mouse button pressed while dragging.
2. Release the left mouse button. A dialog then prompts for the Night Mode associated with this time frame.
3. Select a Night Mode associated with this time frame.

   The colored bar changes its color depending on the Night Mode defined.

   Each mode is assigned a different color. These colors are shown in Figure 5-14 Standard View Night Mode Switching Mode Colors on page 5-23.

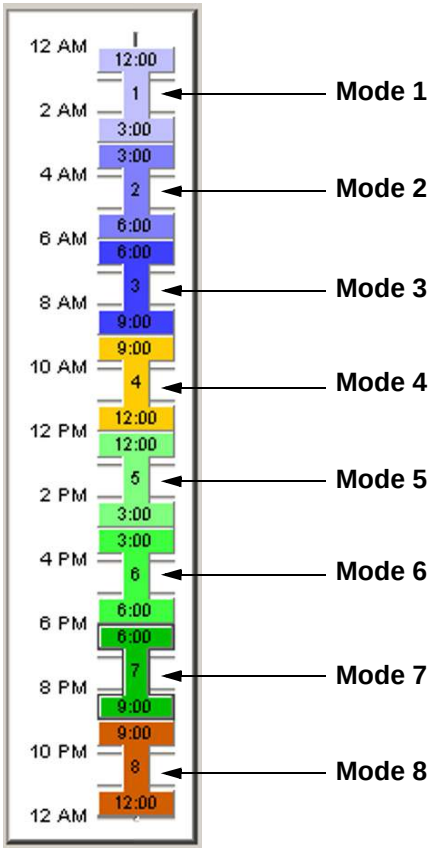


Figure 5-14 Standard View Night Mode Switching Mode Colors

10.2 Removing a Time Frame

To remove a time frame, select it then drag it either left or right off the Schedule Pattern bar. Alternatively, select the time frame and press the **Delete** key.

10.3 Moving a Time Frame

To move a time frame select it with the mouse and drag it to the desired position. Surrounding time frames can limit changes because time frames cannot overlap. To solve this problem either remove time frames or modify them.

10.4 Modifying a Time Frame

To modify a time frame in a Schedule Pattern:

1. Select the time frame to modify.
2. Place the cursor at the top/bottom of the time frame until it changes appearance.
3. Left click then drag from the starting/ending time to the desired change.

Surrounding time frames can limit changes because time frames cannot overlap. To solve this problem either remove existing time frames or modify them.

10.5 Time Frame Duration

To find out the duration of a time frame select it and then hold down the left mouse button. A popup appears indicating the duration and Night Mode.

10.6 Time Frame Night Mode

To find out the Night Mode of a time frame select it and then hold down the left mouse button. A popup appears indicating the duration and Night Mode.

SECTION 11 INCOMING RING GROUPS

This screen combines system data relevant to the feature “Incoming Ring Groups”.

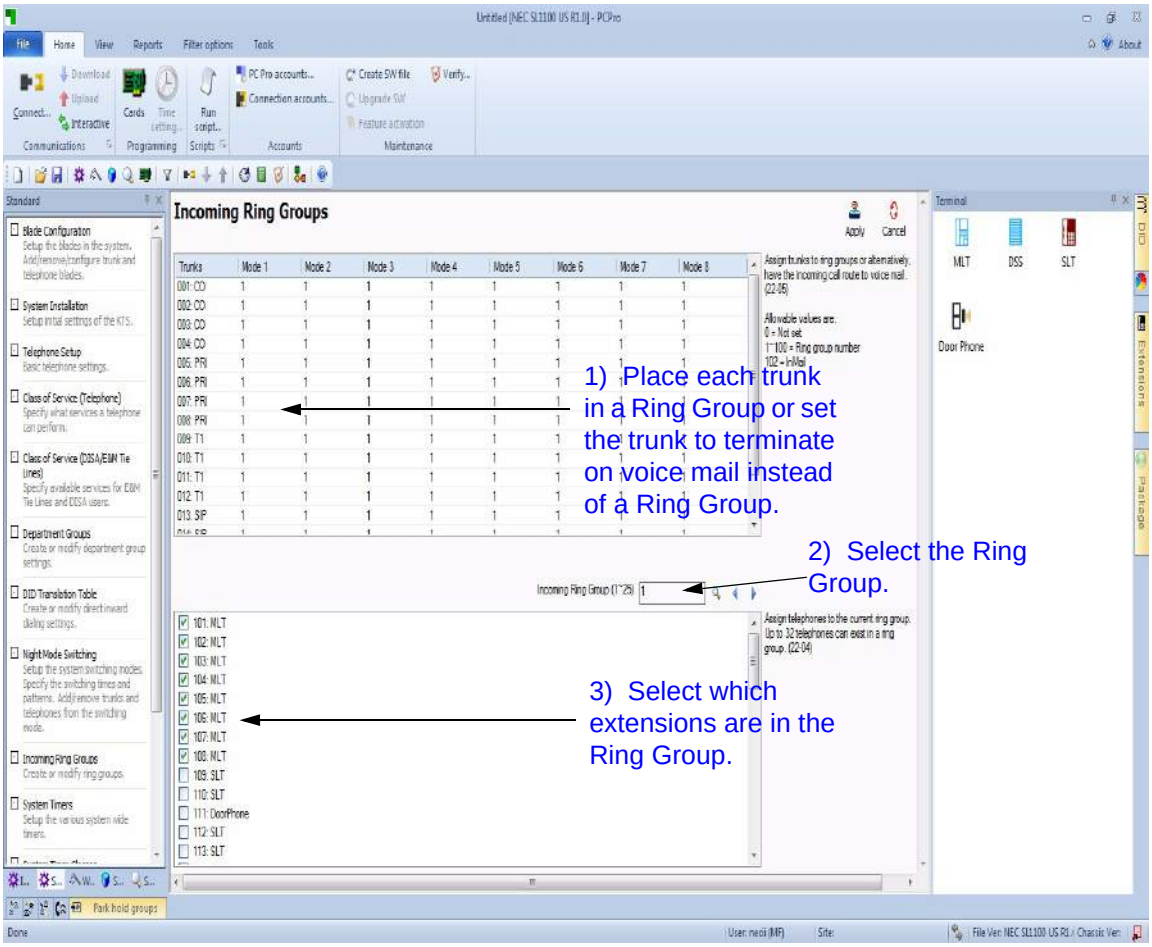


Figure 5-15 Standard View Incoming Ring Groups

To setup up an Incoming Ring Group:

1. For each trunk, specify the Incoming Ring Group of which it will be a member. Alternatively, route the call from the trunk to a voice mail type. Individual settings can be applied to each Night Mode.

   These settings are linked with 22-05.

2. Select the incoming Ring Group to which the trunks and extensions are assigned. You can use the right and left arrows to select the previous or next Ring Group (1~25).

3. Select the extensions that are members of the Incoming Ring Group.

   These settings are linked with 22-04.

SECTION 12 SYSTEM TIMERS

This screen allows you to set up system-wide timers.

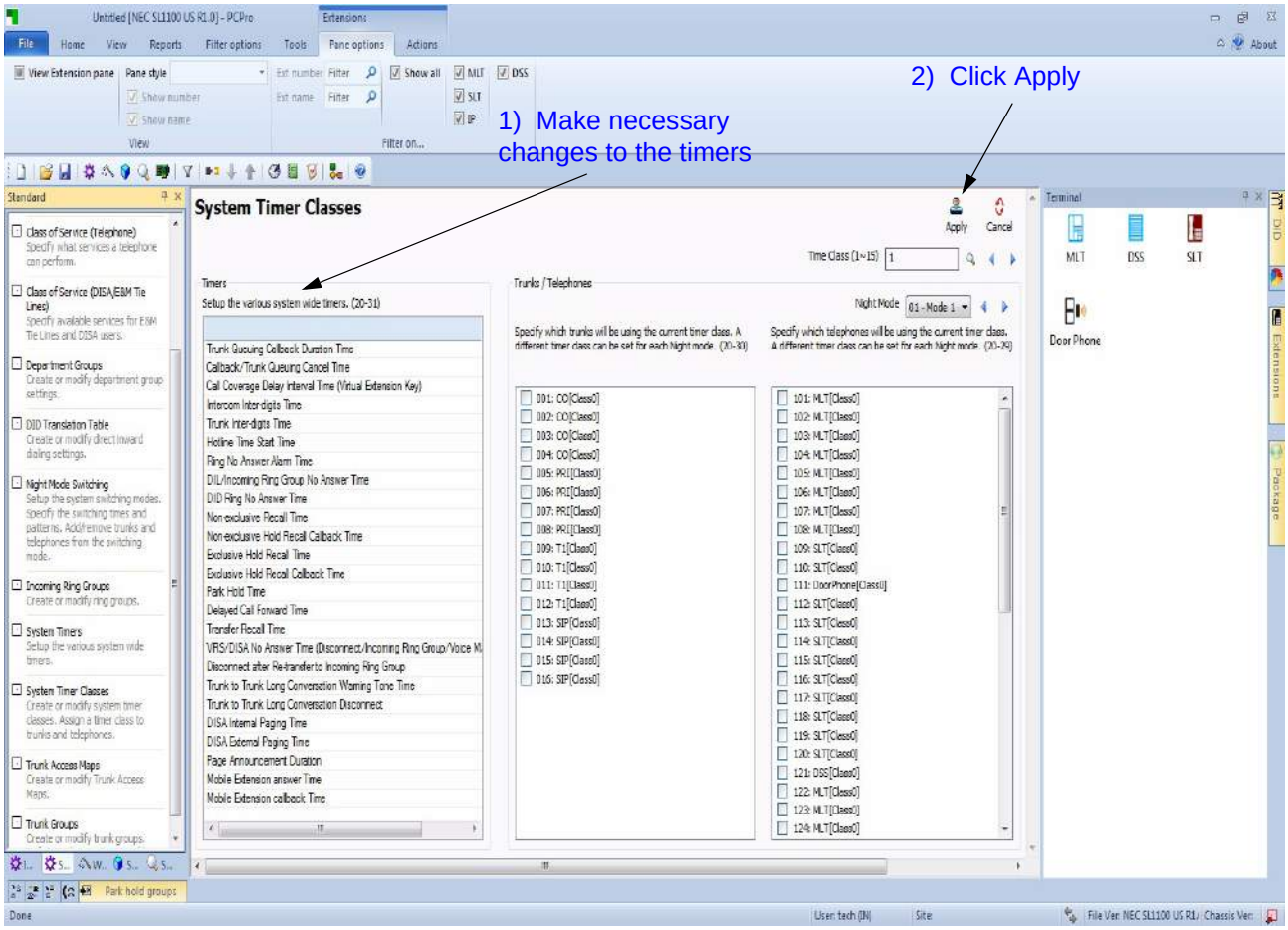


Figure 5-16 Standard View System Timers

The settings that can be changed on this screen include the individual timers.

To change the timer settings from the default:

1. Click the value to the right of the time you want to change.
2. Change the timer setting and click **Apply**.

SECTION 13 SYSTEM TIMER CLASSES

This screen combines system data relevant to Timer Classes. Timer Classes detail sets of operation times. Trunks and extensions can be assigned as members of these classes for each of the system Night Modes.

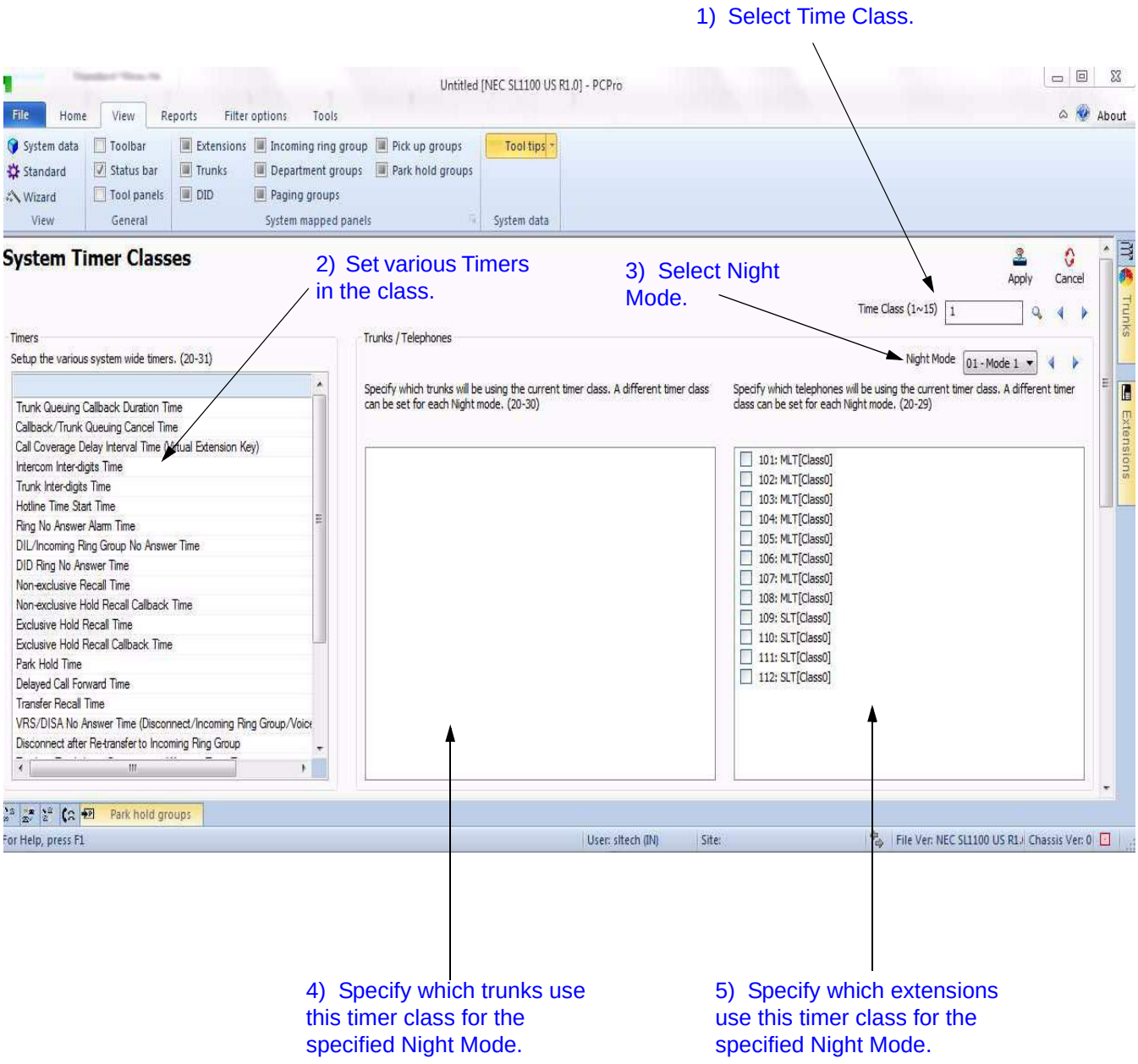


Figure 5-17 Standard View System Timer Classes

The settings that can be changed on this screen include:

- **Time Class**: The Timer Class to which timers are assigned.
- **Night Mode**: The Night Mode assigned for night mode switching.
- **Timers**: The system wide timers that can be changed.
- **Trunks/Telephone**: Lists the trunks/telephones that are members of the class during the selected Night Mode.
- **Extensions**: Lists the extensions that are members of the class during the selected Night Mode.

To setup up a Timer Class complete the following:

1. Specify a **Time Class (1~15)** to modify.
2. Set the various timers for the specified Time Class.

   These settings are linked with 20-31. (All times are in expressed in seconds.)
3. Select a Night Mode.
4. Select the trunks/telephones that are members of the Time Class during the selected Night Mode.

   These settings are linked with 20-30.
5. Select the telephone extension that will use members of the Time Class during the selected Night Mode. A different Time Class can be set to each Night Mode.

   These settings are linked with 20-29.

SECTION 14 TRUNK ACCESS MAP

This screen combines system data relevant to the Trunk Access Map. The Trunk Access Map administers the usage of trunks by the extension. Extensions can be assigned to one of the 84 Access Maps for each of the system Night Modes.

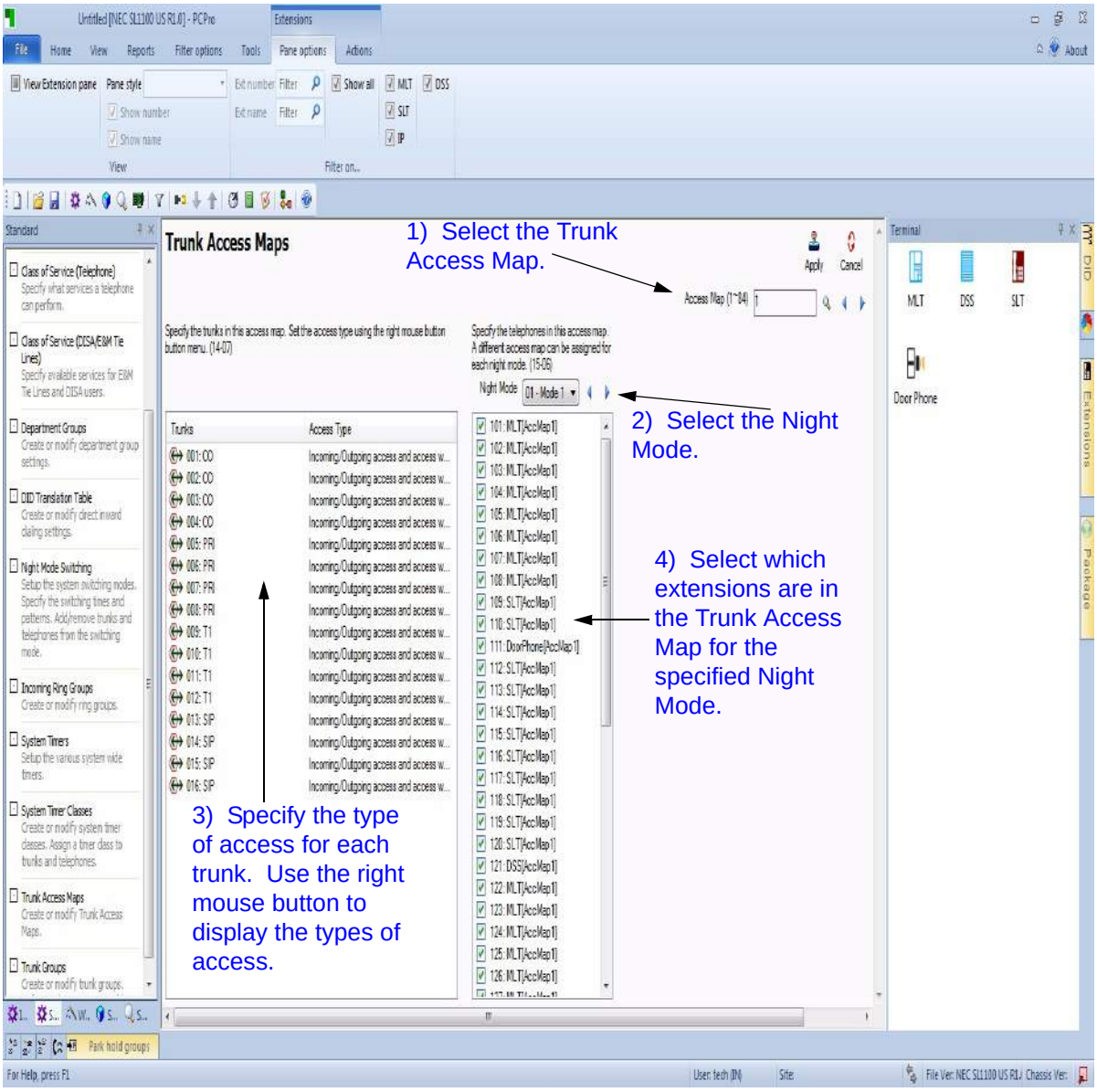


Figure 5-18 Standard View Trunk Access Map

To setup a Trunk Access Map complete the following:

1. Specify a trunk **Access Map (1~84)** to modify.
2. Select a **Night Mode**.
3. Specify the access type for each trunk using the Trunk Access Map.

   To modify the access type, right click the trunk then select an access type from the popup menu. These settings are linked with 14-07.

   The various access types are listed below:

Access Type	Image
No access	
Outgoing access only	
Incoming access only	
Access only when trunk on hold	
Outgoing access when trunk on hold	
Incoming access when trunk on hold	
Incoming/outgoing access	
Incoming/outgoing access when trunk on hold	

4. Select the extensions that use the Trunk Access Map during the selected Night Mode.

   These settings are linked with 15-06.

SECTION 15 TRUNK GROUPS

This screen combines system data relevant to Trunk Groups. Trunk Groups prioritize the use of a group of trunks. Priority of Trunk Groups can be done via the Route Table. A Route Table entry can then be used by trunks and extensions.

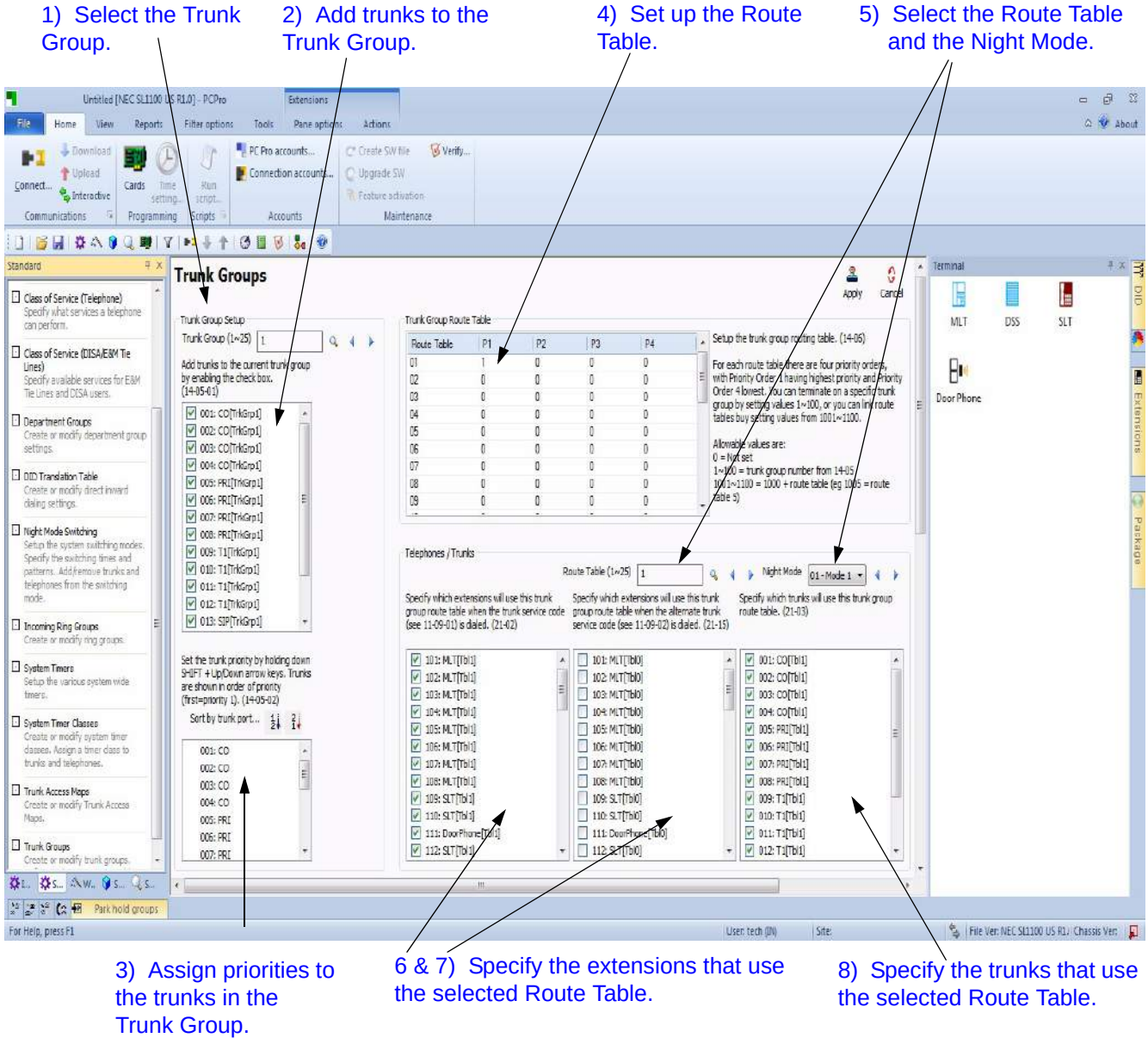


Figure 5-19 Standard View Trunk Groups

To setup a Trunk group complete the following:

1. Specify a **Trunk Group (1~25)** entry to modify.

2. Select the trunks that are members of the Trunk Group.

   These settings are linked with 14-05-01.

3. Prioritize trunks by ordering them in preference.

   These settings are linked with 14-05-02.

   When a trunk is selected as part of the Trunk Group it automatically appears in the priority list (the list to the bottom of the Trunk Group list). The priority of the selected trunk can be modified using the following key combinations:

   - Shift + Up Arrow — Increase priority by 1
   - Shift + Down Arrow — Decrease priority by 1
   - Shift + Page Up — Increase priority by one page
   - Shift + Page Down — Decrease priority by one page
   - Shift + Home — Make highest priority
   - Shift + End — Make lowest priority

4. To setup a Route Table entry:

   This entry defines four destinations where the Route Table entry directs calls. Calls can terminate on a Trunk Group or flow on to another entry in the Route Table.

   Destinations are prioritized 1~4 with 1 being the highest and 4 being the lowest. These settings are linked with 14-06.

5. To assign the extensions and trunks that use the Route Table Entry, select a **Route Table (1~25)** and a **Night Mode**.

6. Select the extensions that use the Route Table entry during the selected Night Mode.

   This applies to extensions using the Trunk Service Code to access trunks. These settings are linked with 21-02.

7. Select the extensions, during this Night Mode, that use the Route Table entry via the alternate Trunk Access Code.

   This applies to extensions using the alternate Trunk Service Code to access trunks. These settings are linked with 21-15.

8. Select the trunks, during this Night Mode, that use the Route Table entry.

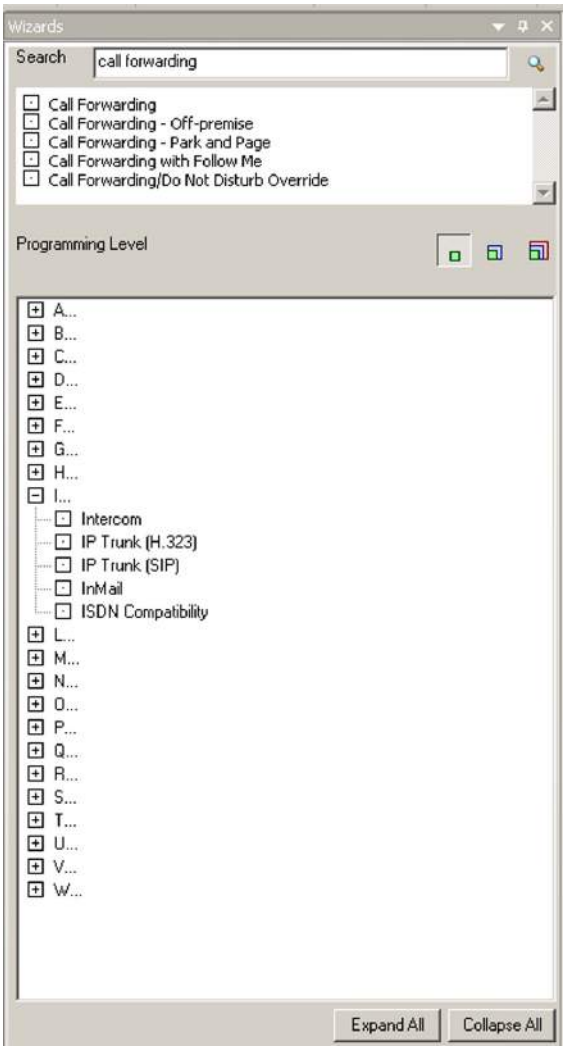
   These settings are linked with 21-03.

CHAPTER 6 *Wizards View*

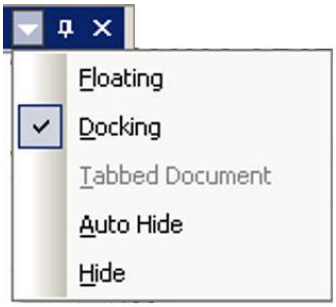
SECTION 1 OVERVIEW

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.

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



Window View: Clicking this icon displays the flyout, which allows you to select how you want the Wizard submenu displayed. Right mouse clicking also displays this menu.



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 6-1 Wizard Submenu

SECTION 2 ACCESSING WIZARD VIEW

To access Wizard View complete one of the following:

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

  or…

- ❑ Select the toolbar icon depicting the wand .

  or…

- ❑ Press **F10**.

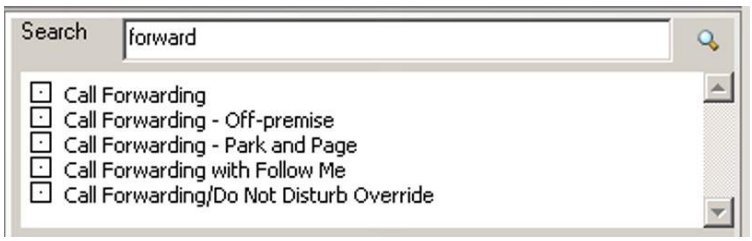
  or…

- ❑ 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 6-1 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.

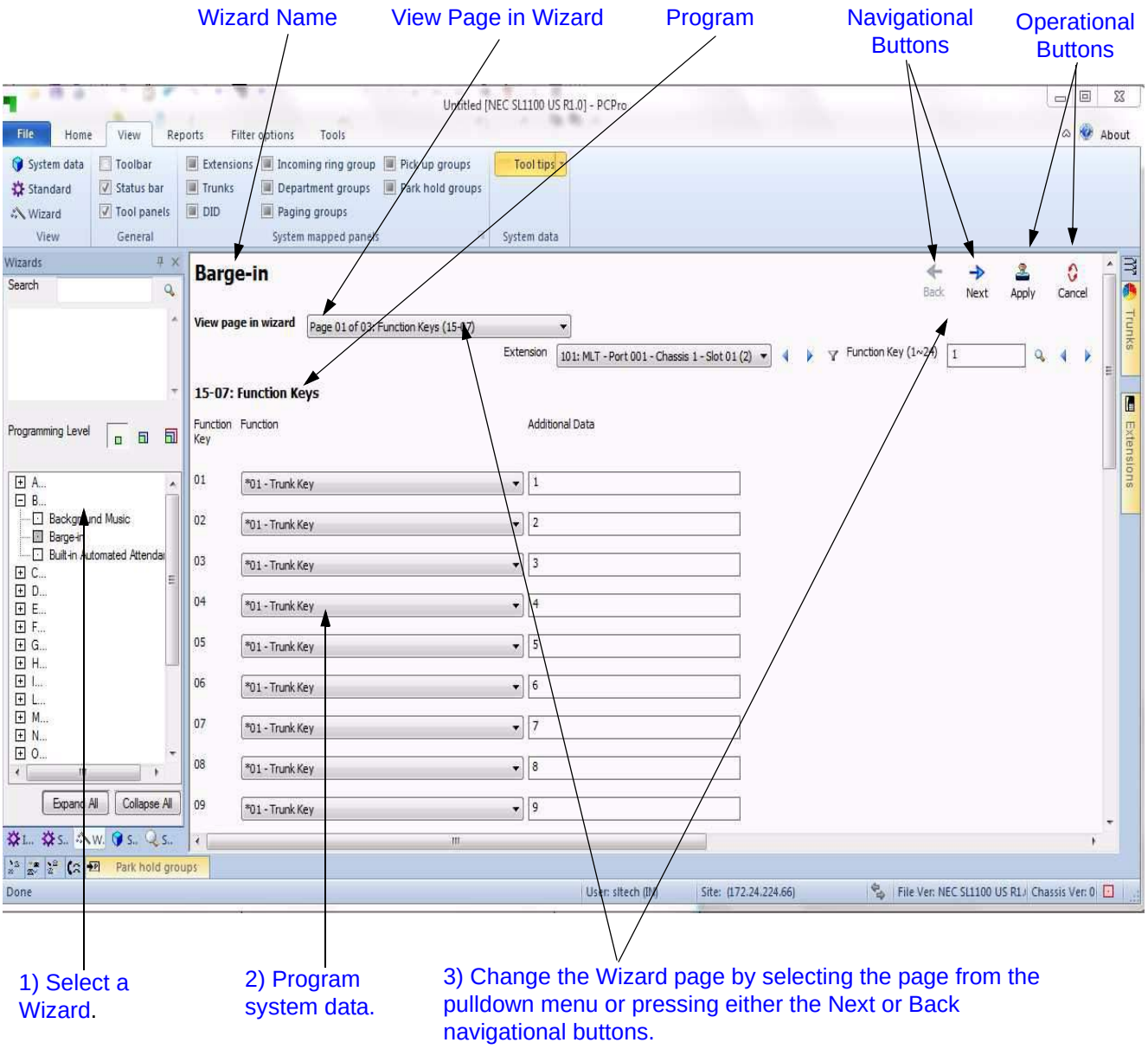


Figure 6-2 Wizard Programming

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 7 System Data View

SECTION 1 OVERVIEW

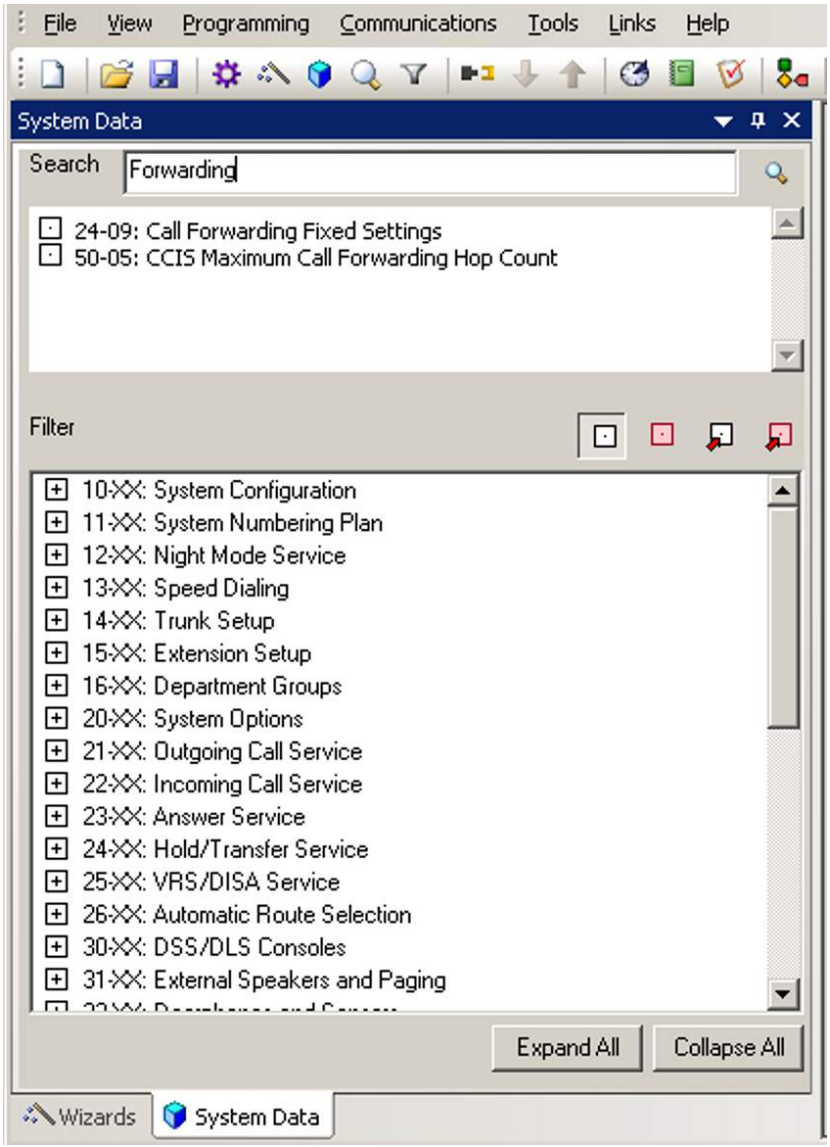
System Data represent systems settings as per the categorization used by main software. This categorization separates settings into System Data items called ‘PRGs’ (programs). PRGs are identified by their ID and name. The ID and name indicate what settings the System Data is related to. An example of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

10-02: Location Setup

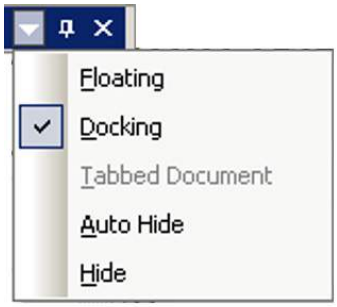
PRGs are grouped by their relationship into ‘PRG Groups’. PRG Groups are identified by their ID and name. The ID and Name indicate what settings the System Data is related to. An example of a PRG identifier can be seen below, ‘10-XX’ is the ID and ‘System Configuration’ is the name:

10-XX: System Configuration

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



Window View: Clicking this icon displays the flyout, which allows you to select how you want the System Data submenu displayed. Right mouse clicking also displays this menu.



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 7-1 System Data Submenu

SECTION 2 ACCESSING SYSTEM DATA VIEW

To access System Data View, complete one of the following:

- ❑ Select the menu item **Programming > System Data**.

  or…

- ❑ Select the toolbar icon depicting the blue block .

  or…

- ❑ Press **F1**.

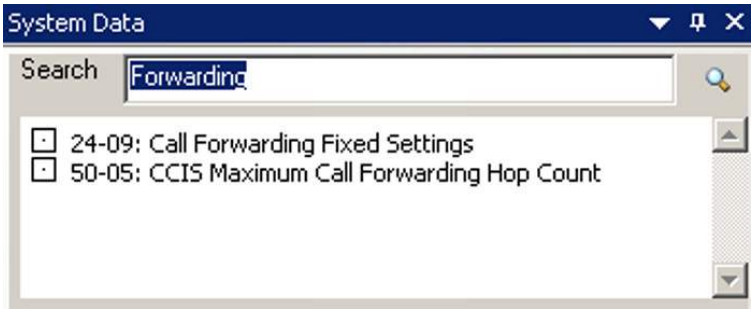
  or…

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

The System Data 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 Program Data 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 SYSTEM DATA 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 SYSTEM DATA

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.

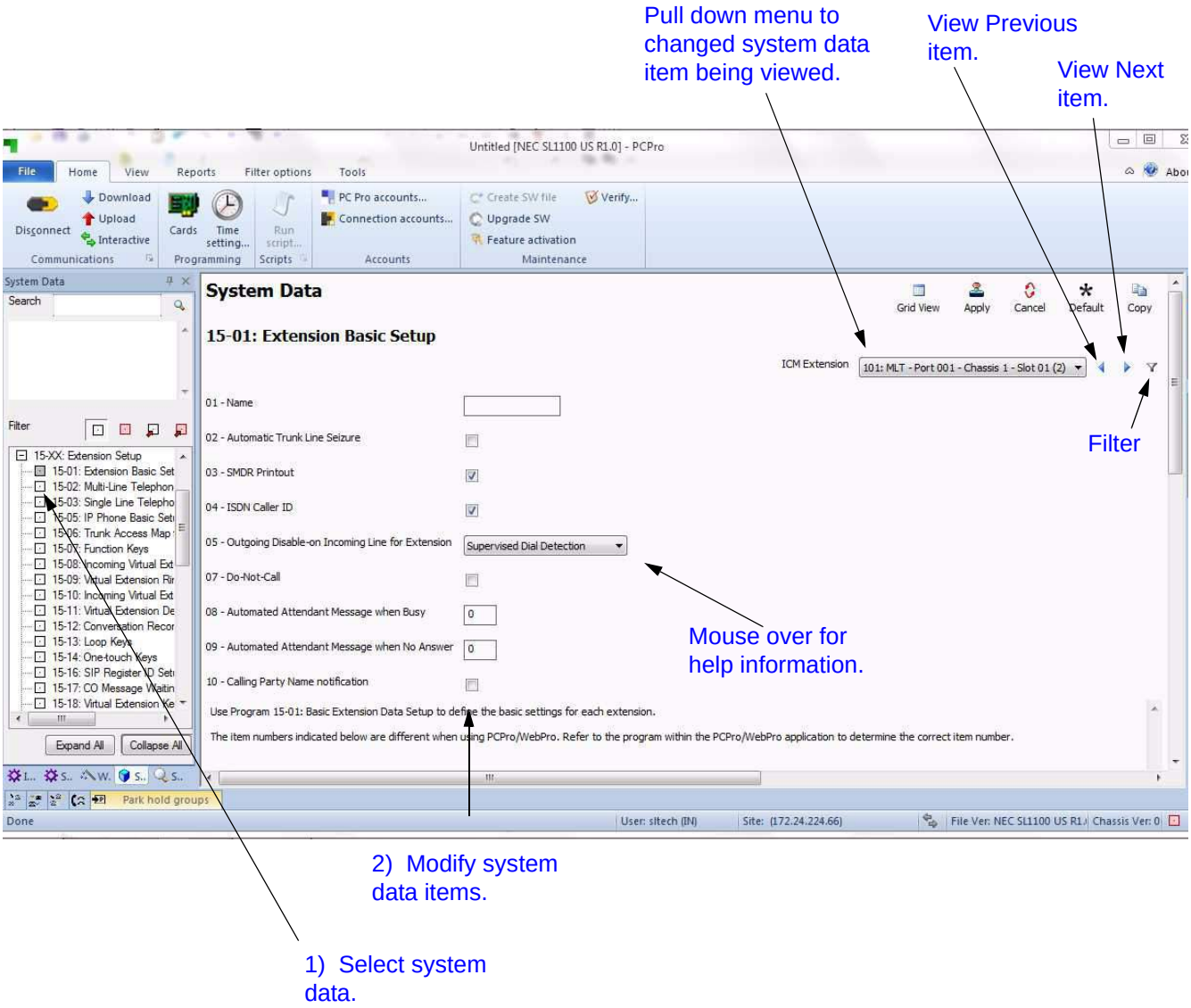


Figure 7-2 System Data Programming

To modify system data:

1. Select a PRG from the System Data 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 System Data View, except when the **Cancel** button is pressed.

-- NOTES --

CHAPTER 8 *Ribbon Bar and Sliding Panels*

SECTION 1 GENERAL DESCRIPTION RIBBON BAR AND SLIDING PANES

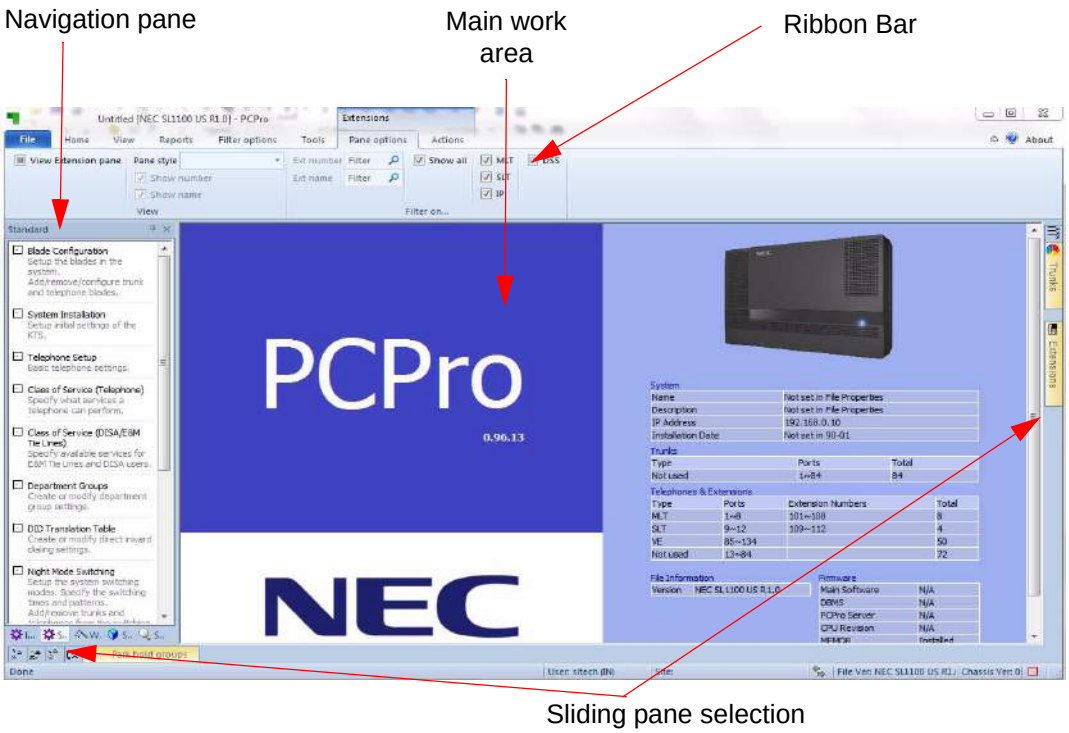


Figure 8-1 Default PCPro Screen

1.1 Ribbon Bar

File

Figure 8-2 Ribbon Bar - File

Home

Figure 8-3 Ribbon Bar - Home

View

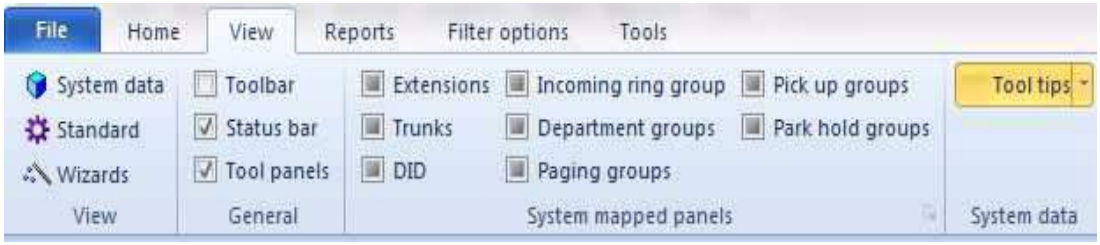


Figure 8-4 Ribbon Bar - View

Reports

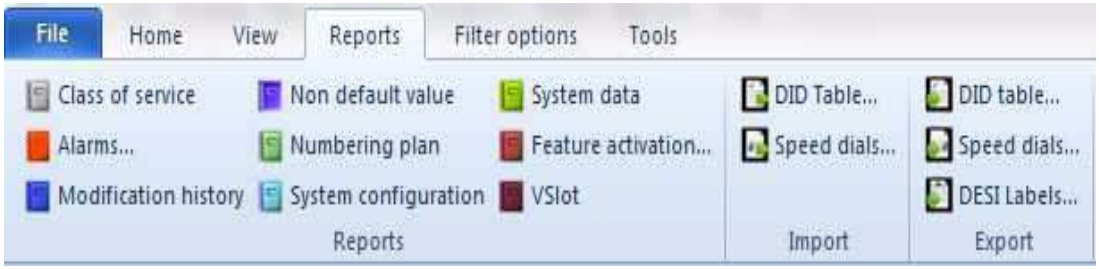


Figure 8-5 Ribbon Bar - Reports

Filter Options

Figure 8-6 Ribbon Bar - Filter Options

Tools

Figure 8-7 Ribbon Bar - Tools

1.2 Sliding pane location

Two areas for sliding panes.

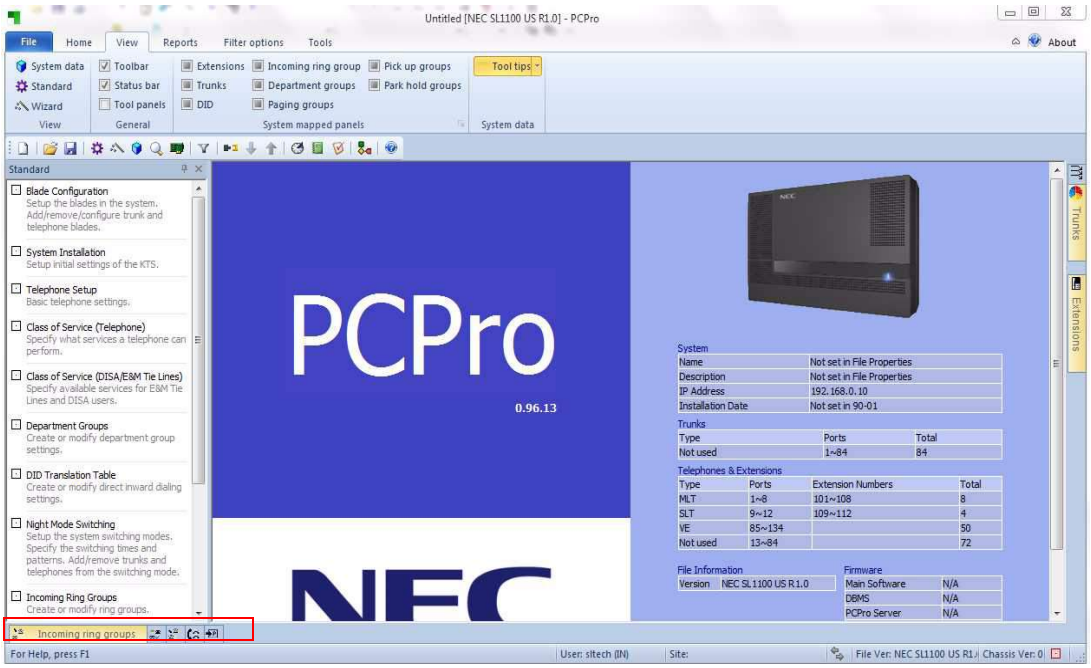


Figure 8-8 Sliding Panels - Along Bottom of Panel

Along bottom: Incoming ring groups, Department groups, Paging groups, Pickup groups, Park hold groups.

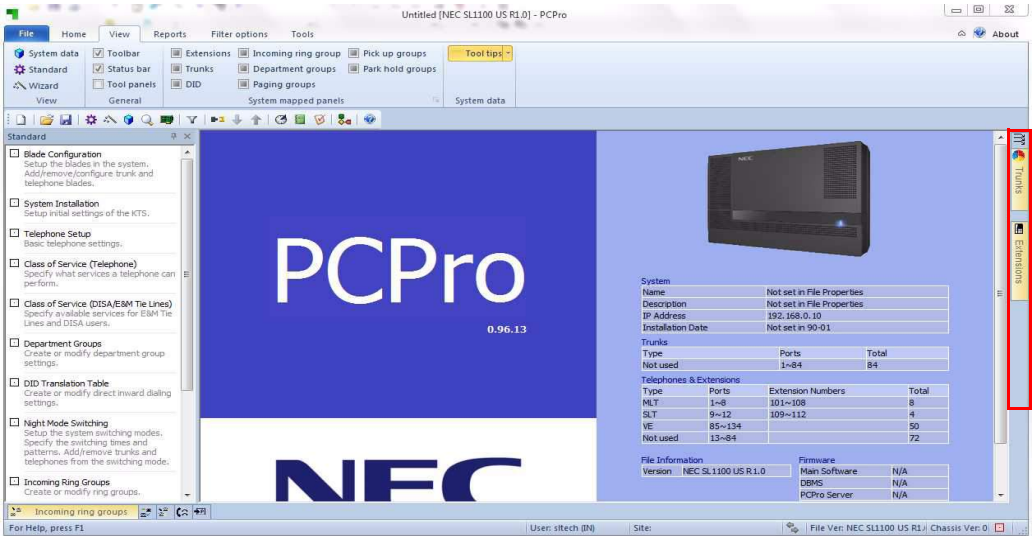


Figure 8-9 Sliding Panels - Along Right Side of Panel

Along right side: DID, Trunks, Package, Terminal, Extensions.

1.3 Opening Sliding Pane

Hold mouse pointer over tab, and sliding pane slides open. Bottom – slides up, Right slide – slides right towards main work area.

Figure 8-10 Opening Sliding Panels

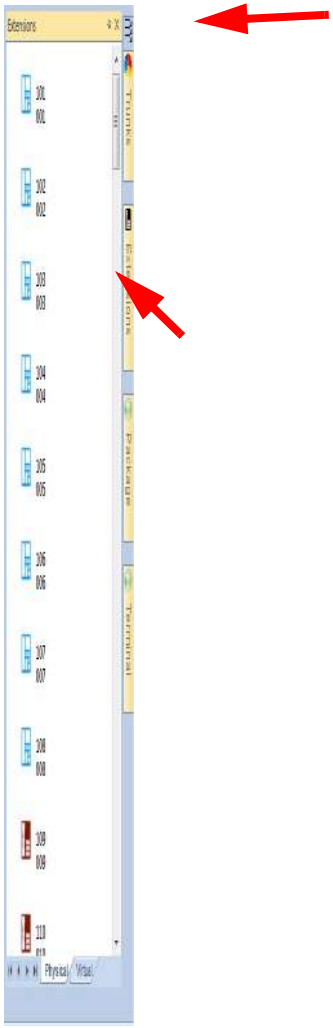


Figure 8-11 Opening Sliding Panels (Continued)

Move mouse pointer out of sliding pane, sliding pane retracts, closing sliding pane.

1.4 Adjusting sliding pane size

Open sliding pane, and place mouse over dividing line, the pointer changes, then drag to required size.

Figure 8-12 Adjusting Sliding Panel Size

1.5 Pin and un-pin sliding pane

General description

Pinning sliding panes allow interaction with other sliding panes, i.e. drag and drop.

Figure 8-13 Adjusting Sliding Panel Size

Pin icon location

Click pin icon top right to leave sliding open.

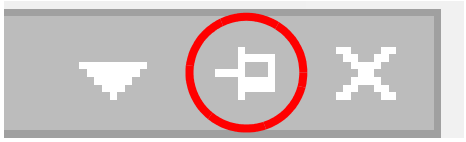


Figure 8-14 Pin Location

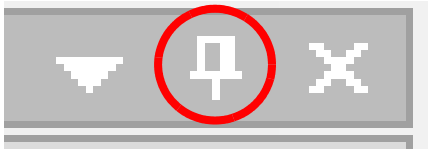


Figure 8-15 Un-Pin Location

Click pin again to retract (Close).

1.6 Pinning - Right sliding pane

General description

- Right side allows multiple pinned sliding panes.
- Open required sliding pane and pin.
- Example pin extension and trunk.

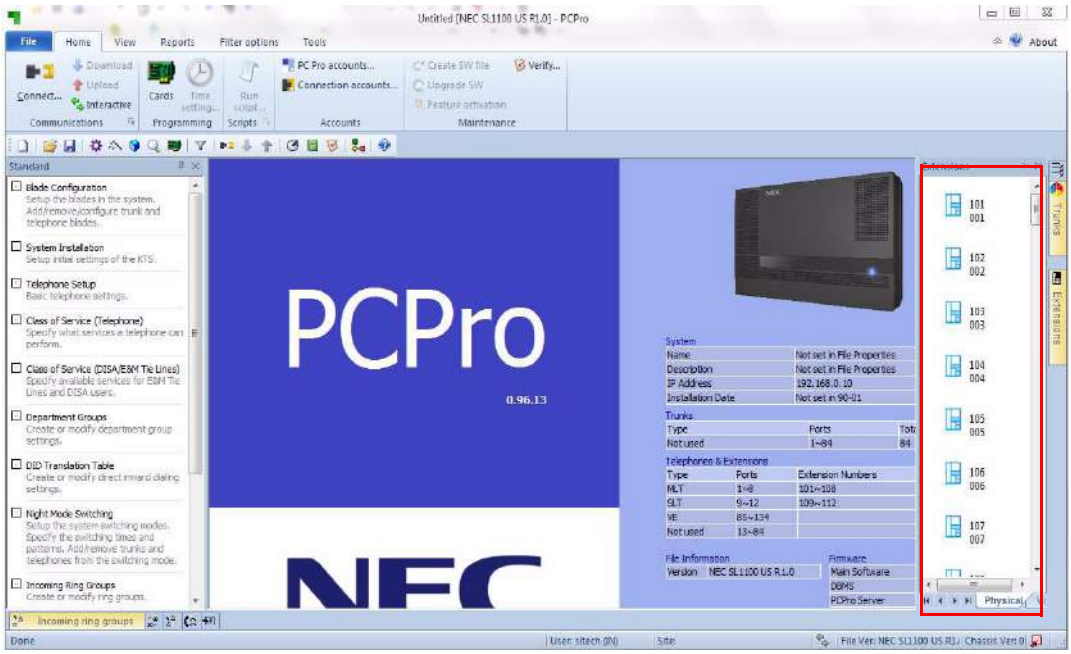


Figure 8-16 Pinning - Right Sliding Pane

1.7 Drag and Drop

Drag and drop not currently supported between sliding panes and main work area.

Drag and drop supported from right sliding pane (Extensions) to bottom sliding panes (Groups).

Drag and drop supported within each of group sliding panes.

1.8 Context menus

Left click in sliding pane opens another ribbon bar.

Pane Options

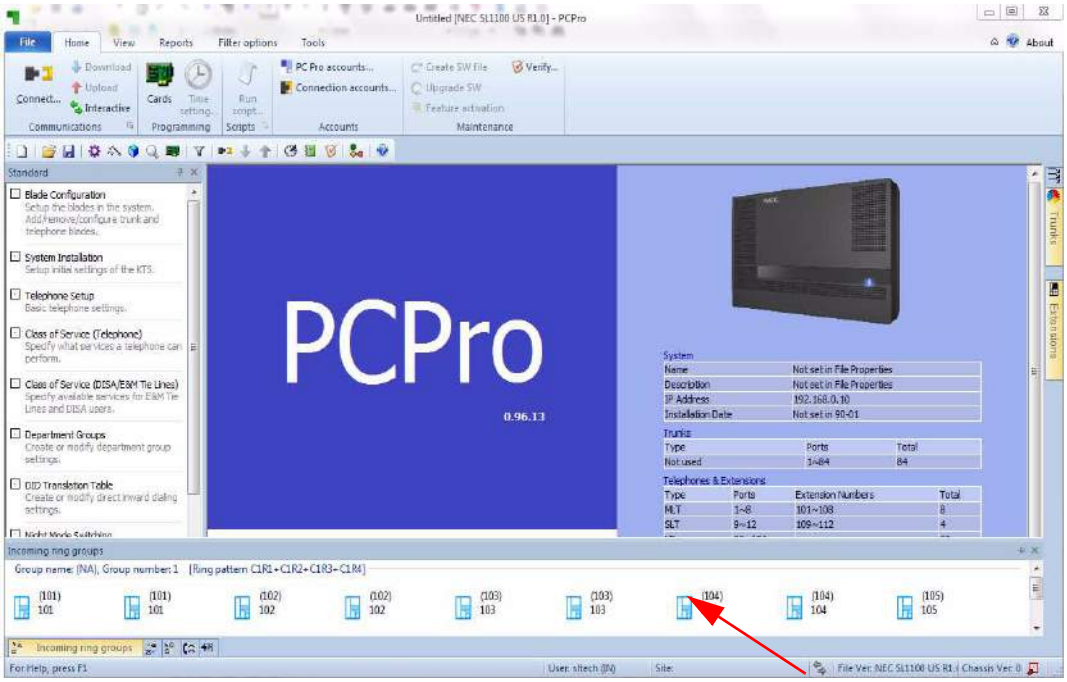


Figure 8-17 Default View - Pane Options

Actions Options

Click tab for actions

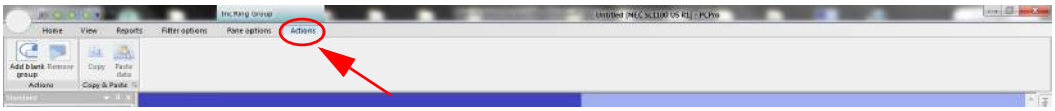


Figure 8-18 Actions Options

Actions allow user to add new groups.

1.9 Multiple Actions

On Extension sliding pane, clicking on single extension, or multiple extension, followed by actions tab allows user to create different group types.

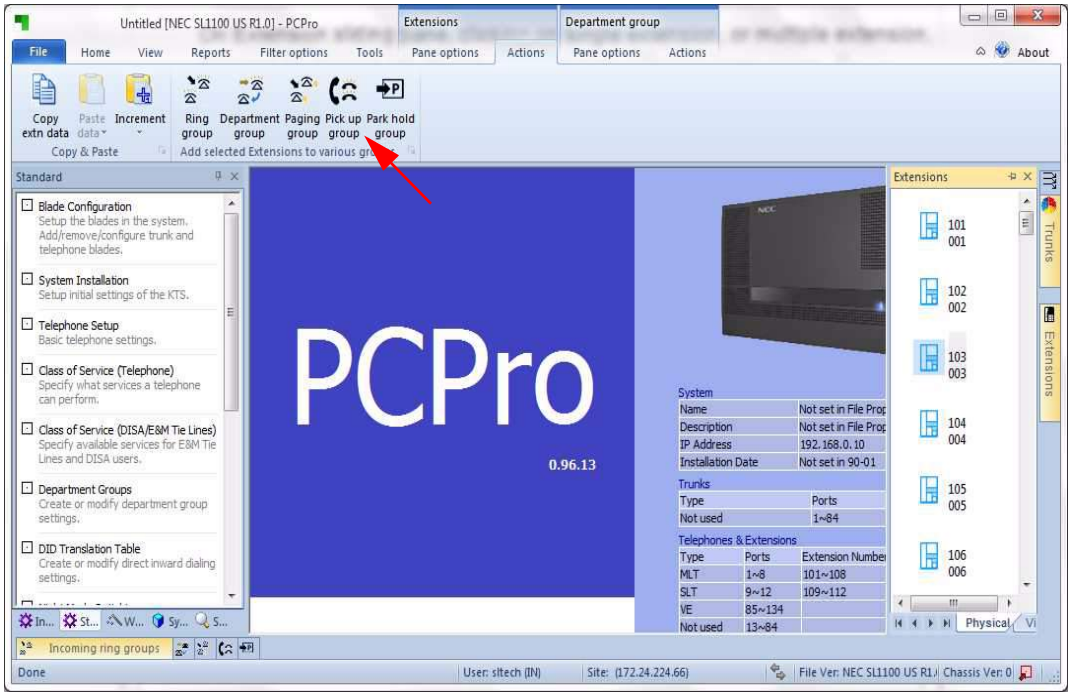


Figure 8-19 Multiple Actions

On clicking on action this updates correct sliding page with selected extensions.

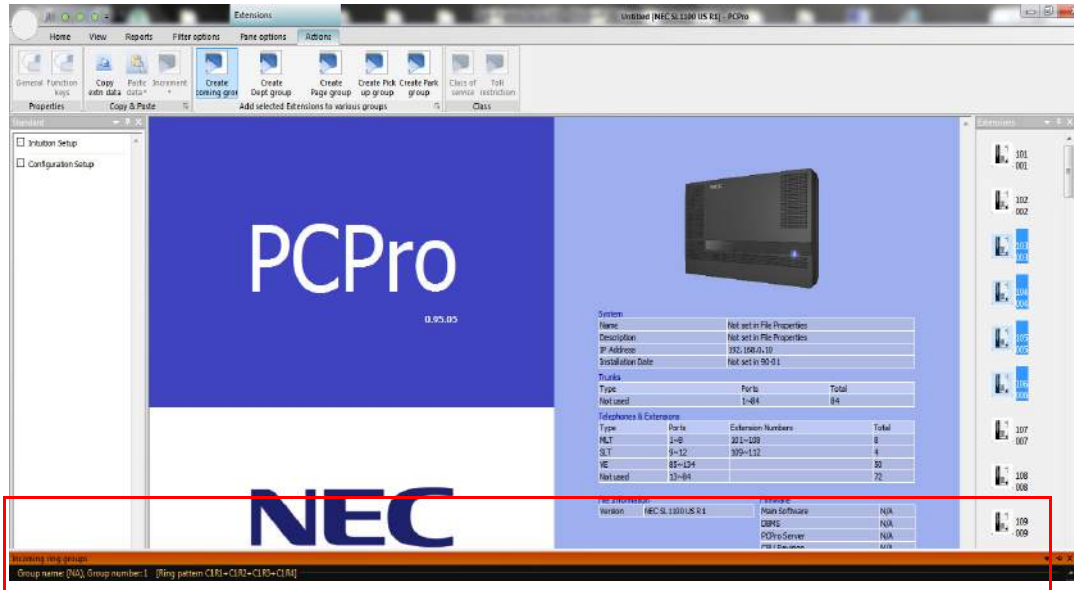


Figure 8-20 Updating Sliding Panel Page

Sliding pane opens and flashes black twice, to let the user know where this action has updated.

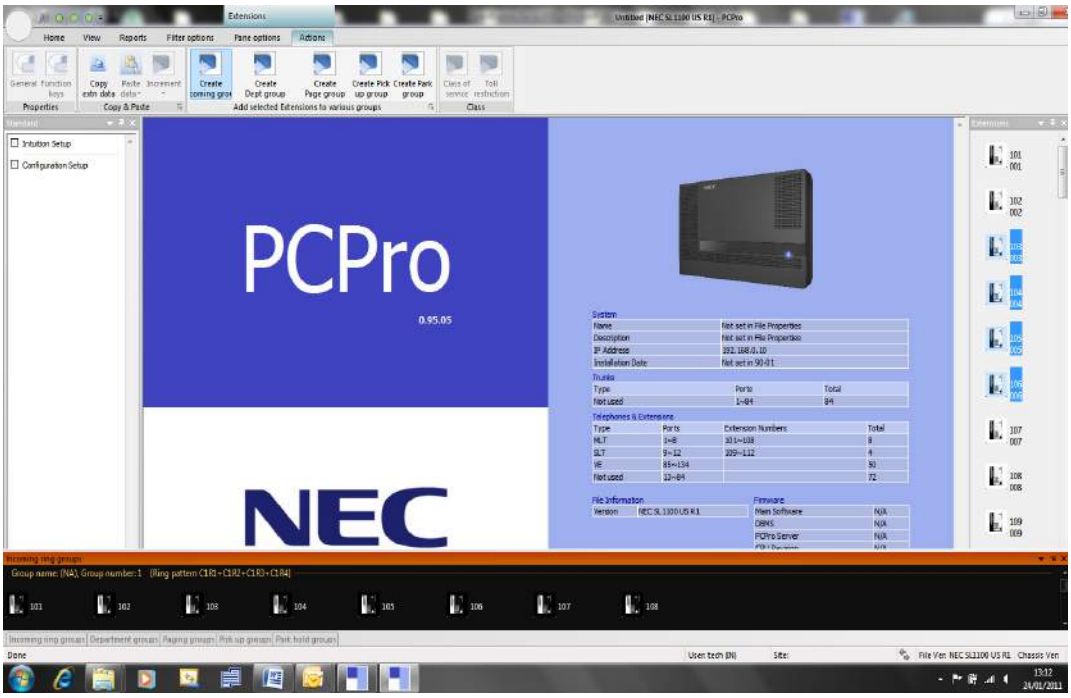


Figure 8-21 Updating Sliding Panel Page

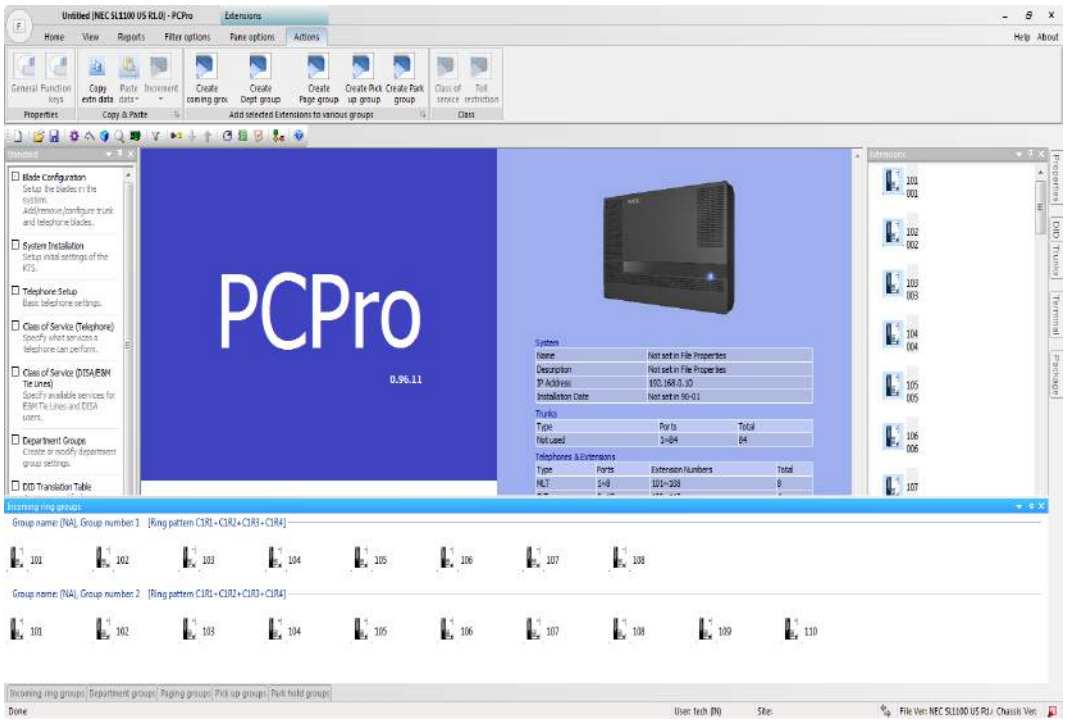


Figure 8-22 Updating Sliding Panel Page

Example: Incoming ring groups, increase size of siding pane to view new group

SECTION 2 DEFAULT RIBBON BARS

Figure 8-23 Ribbon Bar - Home

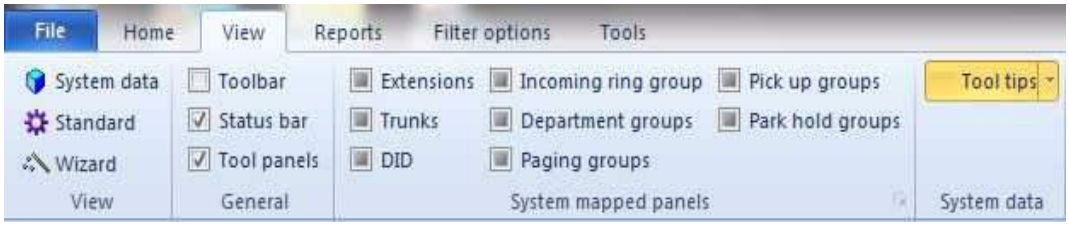


Figure 8-24 Ribbon Bar - View

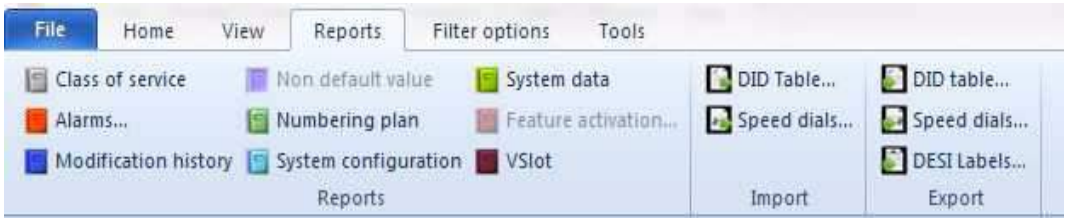


Figure 8-25 Ribbon Bar - Reports

Figure 8-26 Ribbon Bar - Filter Options

SECTION 3 EXTENSION SLIDING PANE

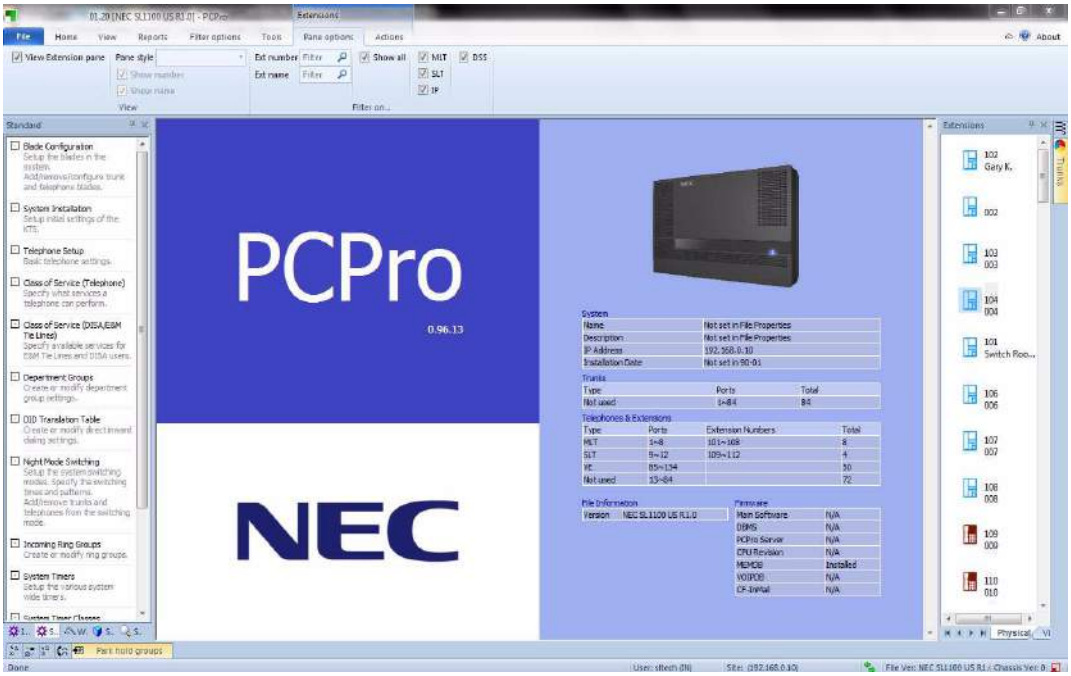


Figure 8-27 Pin Extension Pane

3.1 General Description Of Extension Sliding Pane

Selection arrows switch between tabs, Physical and Virtual, or any other tabs added for extension types. Used if unable to show icon in Physical list, then will need to add tabs for MLT, SLT, Doorphone and audio ports (on SL1100 for MOH/BGM).

Figure 8-28 Physical/Virtual Tabs

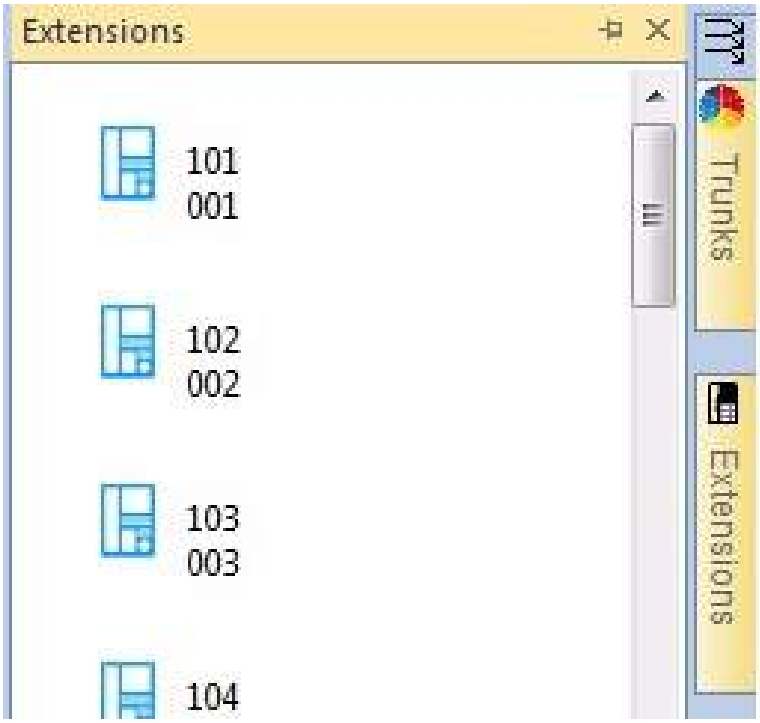


Figure 8-29 Physical Extension Tab

- Physical extension = hardware (10-03) or IP address (15-05)

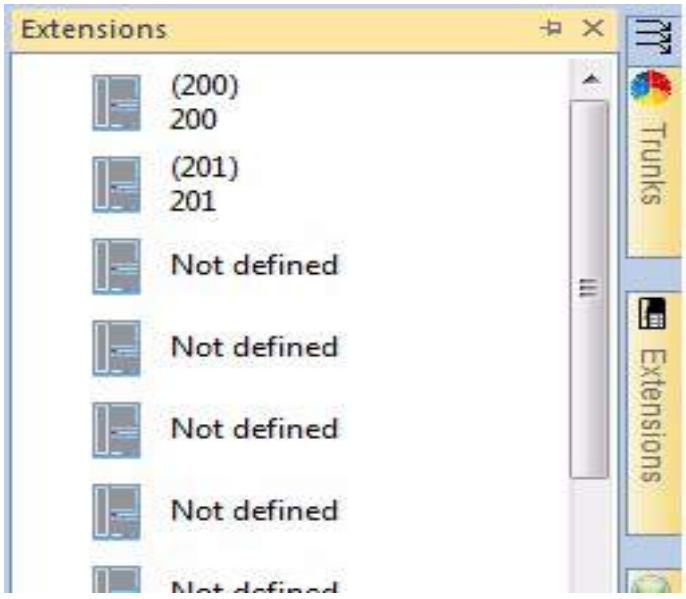


Figure 8-30 Virtual Extension Tab

- Virtual extension = Programmed in 11-04 and name in 15-01

3.2 Extension Ribbon Bar – Pane Options

Enter this view when clicking on the Extension sliding pane.

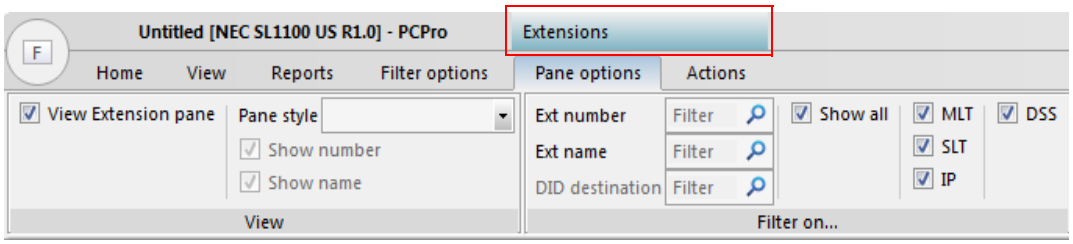


Figure 8-31 Extensions Sliding Pane

View

- View extension pane - opens and closes, Extension sliding pane
- Pane style – selection of different views of Extension sliding pane

Large icons

- Icon, number (11-02) and Name (15-01)

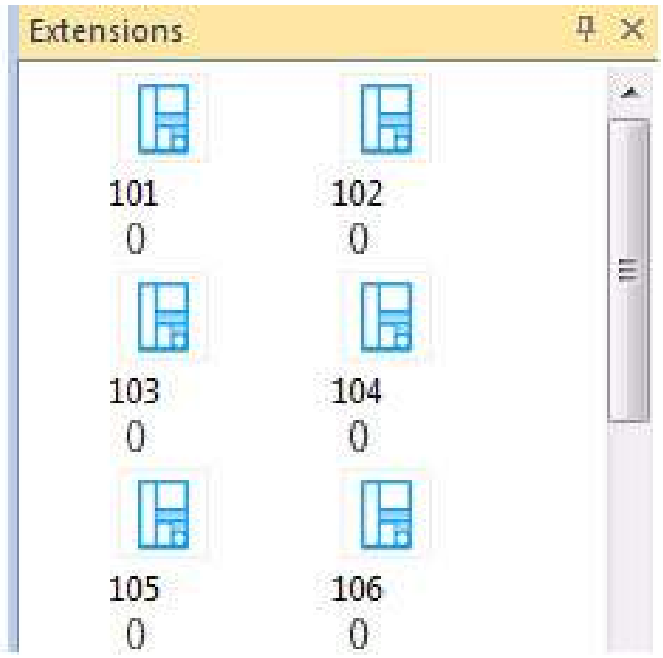


Figure 8-32 Large Icons

Details

- Icon, number (11-02), name (15-01), port number and VM type (47-02-01)

  P = personal and **G** = group

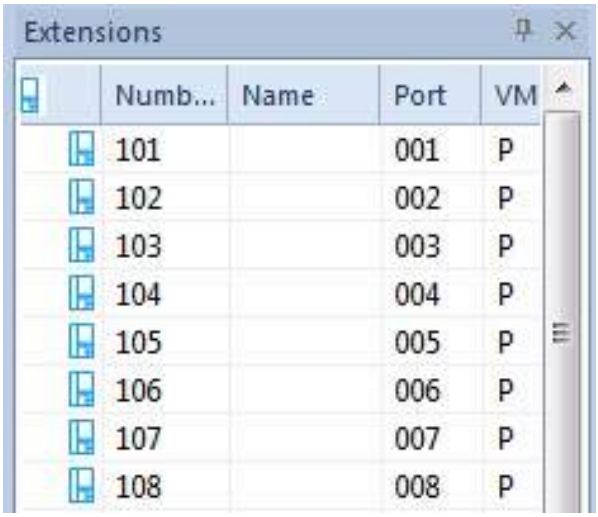


Figure 8-33 Icon Details

Small Icons

- Icon, number (11-02) and Name (15-01)

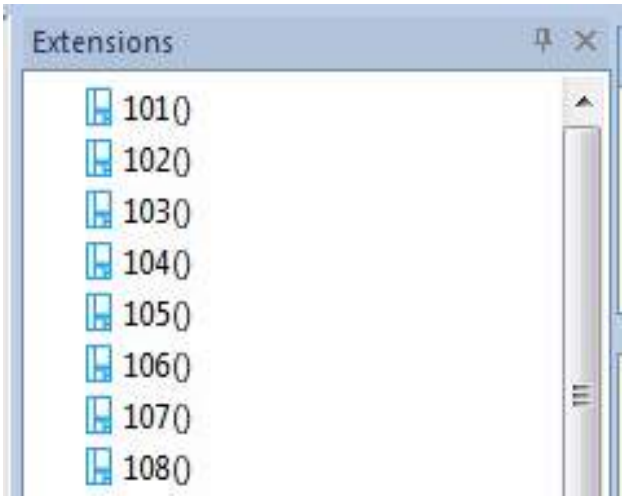


Figure 8-34 Small Icons

List

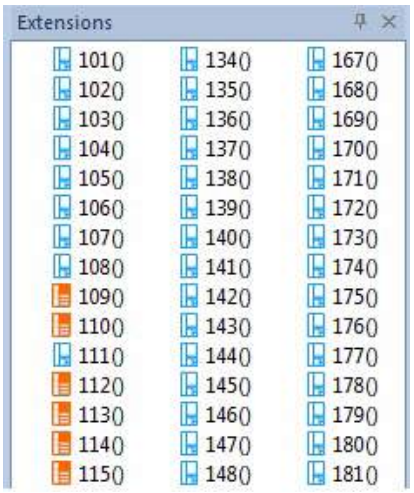


Figure 8-35 List Icons

Titles

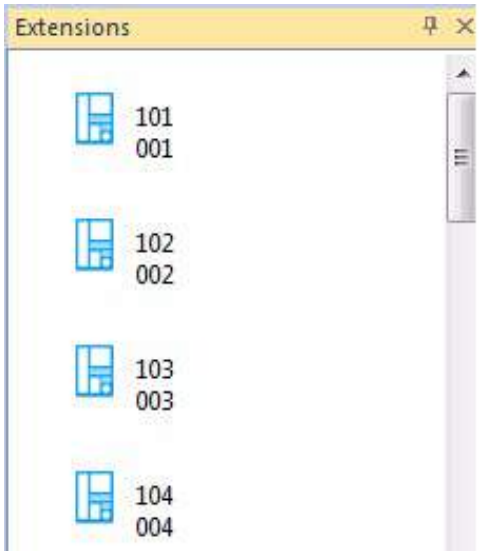
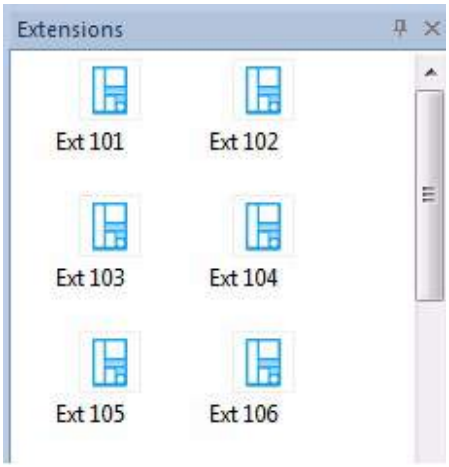


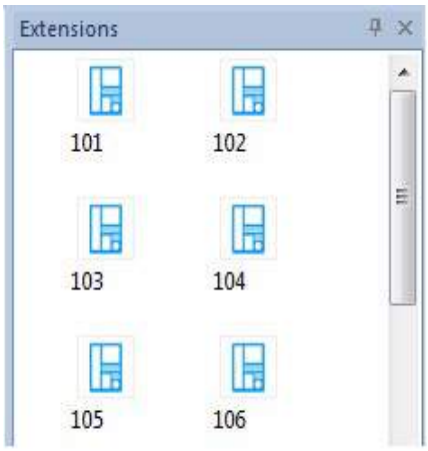
Figure 8-36 Titles Icons

- ❑ Show number – adds or removes extension number from sliding pane
- ❑ Show name - adds or removes extension name from sliding pane

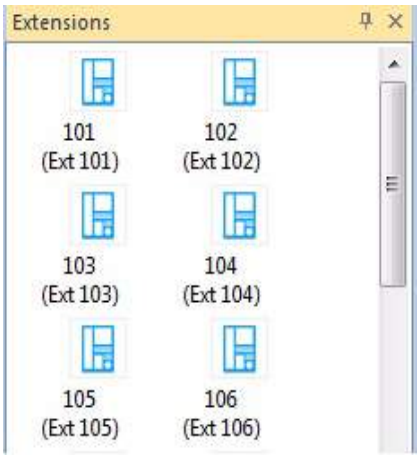
✎ *default data does not have name for extension, use intuition or 15-01 to enter name to test.*



Show Name



Show Number



Show Name and Number

Figure 8-37 Small Icons

Filter

- ❑ Ext number – Enter part or full number and return, to apply a filter to sliding pane
- ❑ Ext name – Enter part or full name and return, to apply a filter to sliding pane

✎ *Default data does not have name for extension, Use intuition or 15-01 to enter name to test.*

- ❑ DID destination – remains greyed out until DID's are entered
- ❑ Removing filter – click on box use "Delete" or "backspace" followed by return
- ❑ Check boxes – uncheck to filter by terminal type

3.3 Extension Ribbon Bar - Action

View when no extension selected.

✎ *All items grayed out.*

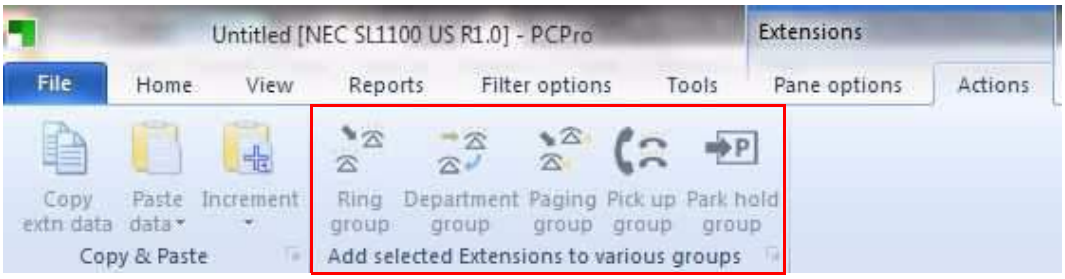


Figure 8-38 Extension Ribbon Bar - Action (Grayed Out)

View when extension is selected

- ❑ All available options are now highlighted.

Figure 8-39 Extension Ribbon Bar - Action (Highlighted)

Copy & Paste

Figure 8-40 Copy & Paste Tab

- Copy extn data – copies port number and extension number
- Paste data – uses original port number to search checked items data
- Increment – uses original data from 11-02, 15-01-01 and 47-02-02
  - Each click updates, each extension down the Extension sliding pane
  - Extension sliding pane refreshes on each click

Copy and Paste Operation

1. Edit data in above commands for single extension.
2. Copy this port and select a number of extension from sliding pane.
3. Click ribbon bar paste.

Increment Operation

1. Edit data for port 1.
2. 11-02 to 200.
3. 15-01 to Extn 200.
4. 47-02-02 to 200.
5. Click ribbon bar increment a number of times.

Add selected Extensions to various groups

Figure 8-41 Adding Extensions to Groups

1. Select single or multiple extensions.
2. Click required group type.
3. Opens sliding page, and flashes black twice, then closes sliding pane.
   – As described in 1.9 Multiple Actions on page 8-9.

3.4 Extension Drag and Drop

1. Pin Extension sliding pane.
2. Pin Group sliding pane.
3. Select extension, push and hold the left mouse button.
4. Drag to required group and let go of mouse.

Incoming Ring Groups

Added to end of group and refreshes screen.

Department Groups

Added into selected position – changes order number and refreshes screen.

Pick Up Groups

Added to end of group – moves from original group and refreshes screen.

Park Hold Groups

Added to end of group – moves from original group and refreshes screen.

SECTION 4 TRUNK SLIDING PANE

4.1 Initial setup of Trunks

First, you need to add some trunks from **Intuition Setup Page 1**, or blade page.

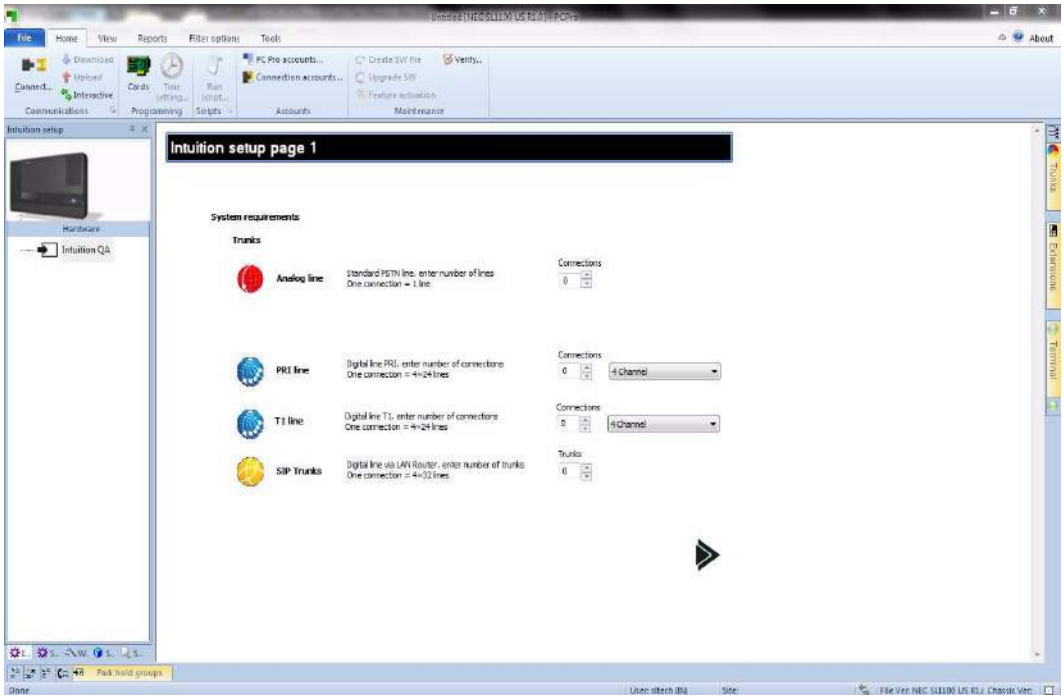


Figure 8-42 Setting Up Trunks

4.2 Trunk Ribbon Bar – Pane Options

Changes to this view when clicking on Trunk sliding pane.

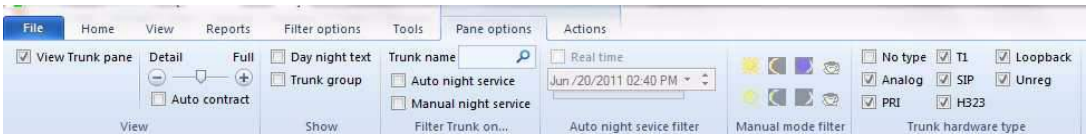


Figure 8-43 Trunk Ribbon Bar - Panel Option

View

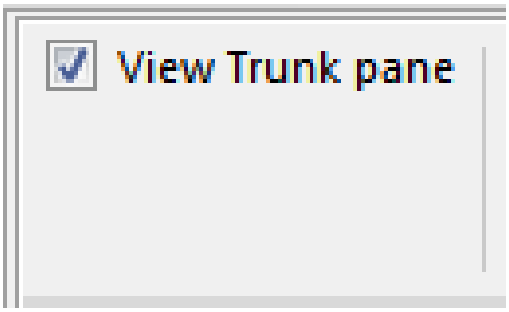


Figure 8-44 View Trunk Pane

View Trunk Pane – opens and closed Trunk sliding page.

Default **Minimum** **Maximum**

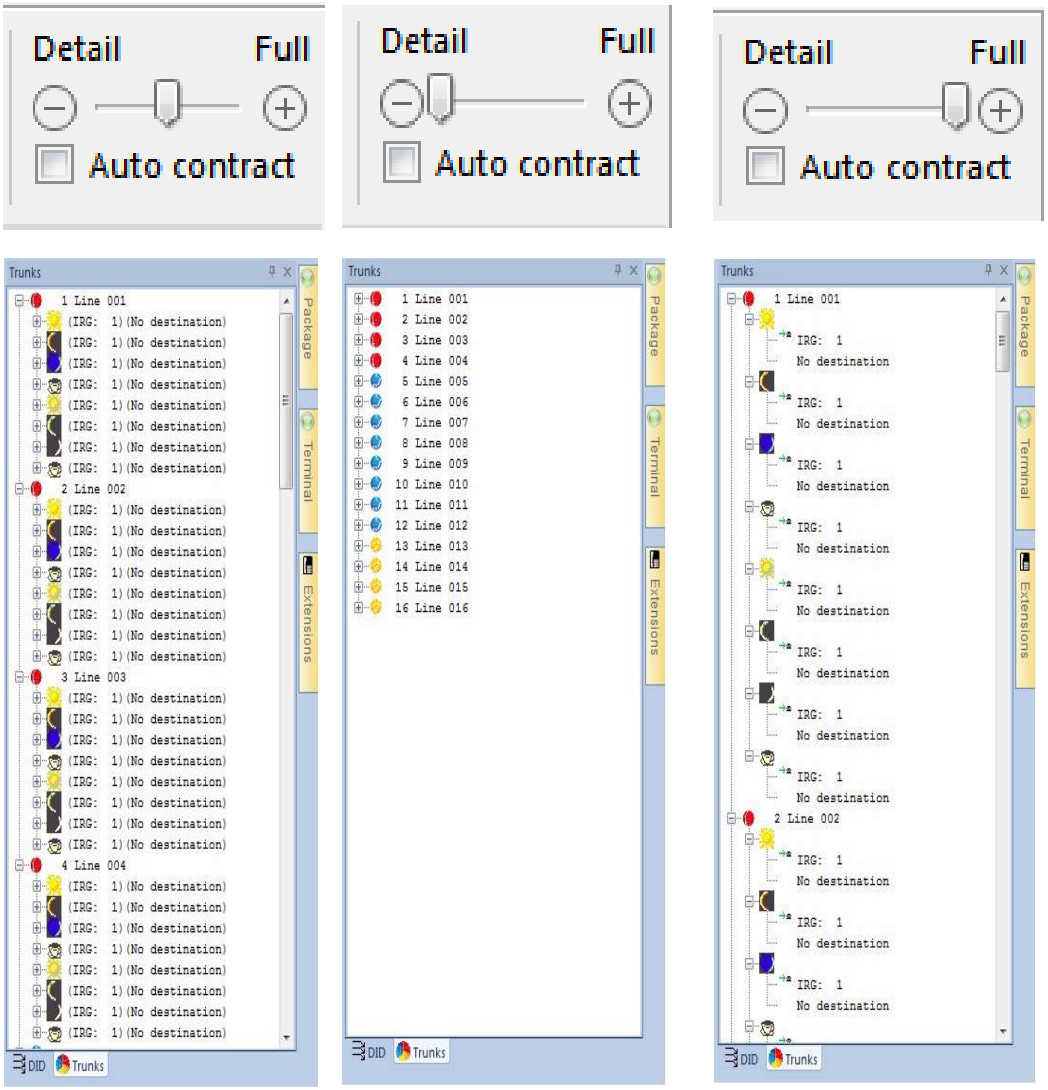


Figure 8-45 Details View

Details – sliding bar changes level of details in trunk sliding pane.

Auto contract – when mouse is over sliding pane can edit view, expand tree, this will stay in this view. Where auto contract is enabled then returns to default selected level when mouse is no longer over Trunk sliding pane.

Show

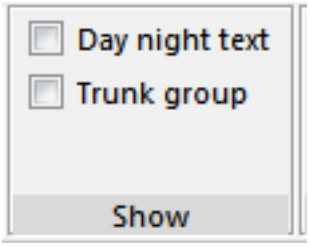


Figure 8-46 Show Pane

Day night text – off = icon only.

On = icon and night service name (12-07).

Trunk group – Splits trunks by trunk group (14-05).

Filter Trunk on...

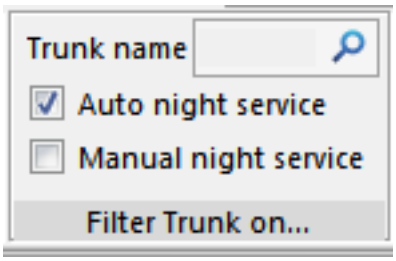


Figure 8-47 Filter Trunk On Pane

Trunk name – enter name (from 14-01) followed by return to filter data.

Auto night service – check box to open [Auto night service filter].

Manual night service – check box to open [Manual mode filter}.

Auto Night Service Filter

(Only active if checked in Filter Trunk on... Auto night service)

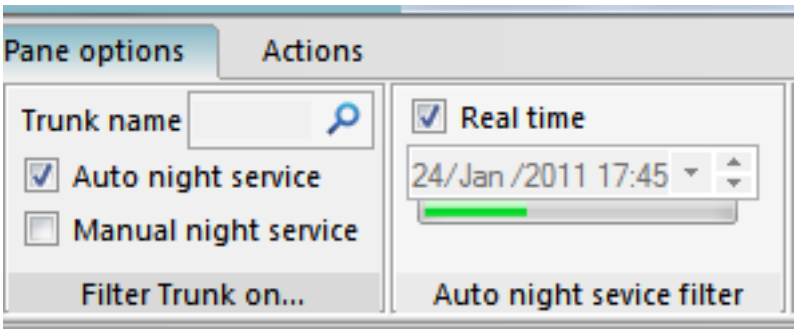


Figure 8-48 Auto Night Service Filter Pane

Real time – **on** = filters to active night service mode according to PC time.

Where day mode is active, only displays day routing in sliding pane.

Refreshes sliding pane every 60 seconds (can be seen with progress bar).

Off = displaying from time and date picker.

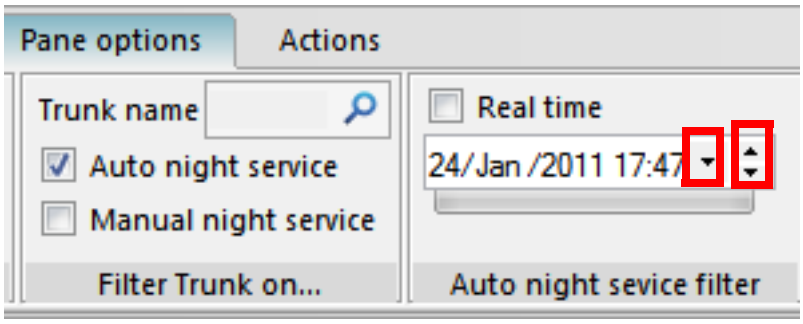


Figure 8-49 Auto Night Service Filter Pane (Date/Time)

Down arrow = calendar

Up/down = time adjustment

Manual night service

(Only active if checked in filter trunk on... Manual night service)

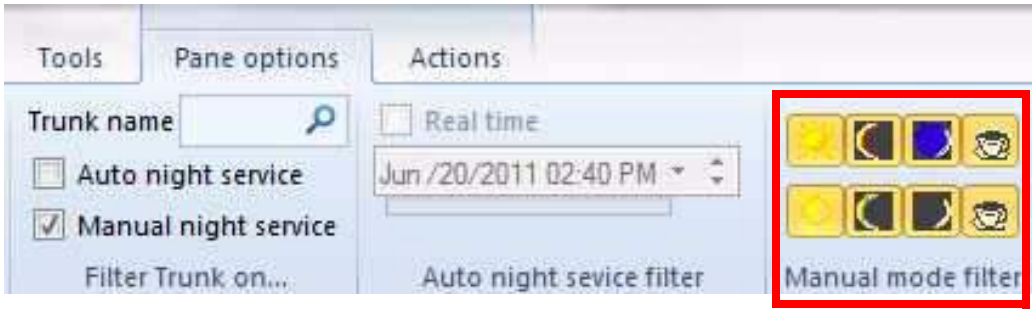


Figure 8-50 Manual Night Service Filter Pane

Click icons - to change trunk sliding pane

Trunk hardware type

(Uncheck to remove trunk types from trunks sliding pane)

Figure 8-51 Auto Night Service Filter Pane (Date/Time)

SECTION 5 DID SLIDING PANE

Same as Trunk sliding pane actions, without Trunk hardware.

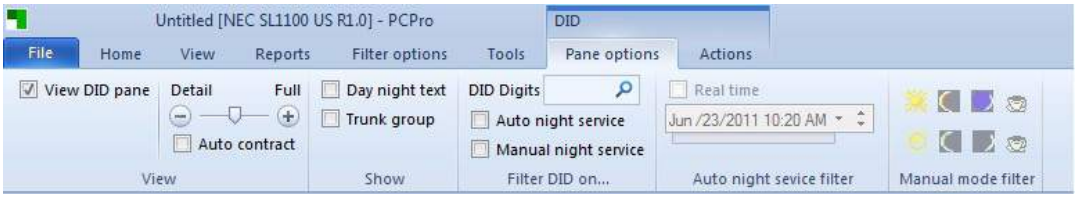


Figure 8-52 DID Sliding Pane

SECTION 6 INCOMING RING GROUPS – SLIDING PANE

✎ *Drag and drop between Incoming ring groups automatically re-orders to numerical order in 22-04.*

6.1 Initial Setup of Incoming Ring Group Sliding Pane

Pin Incoming ring group sliding pane and click on pane options.

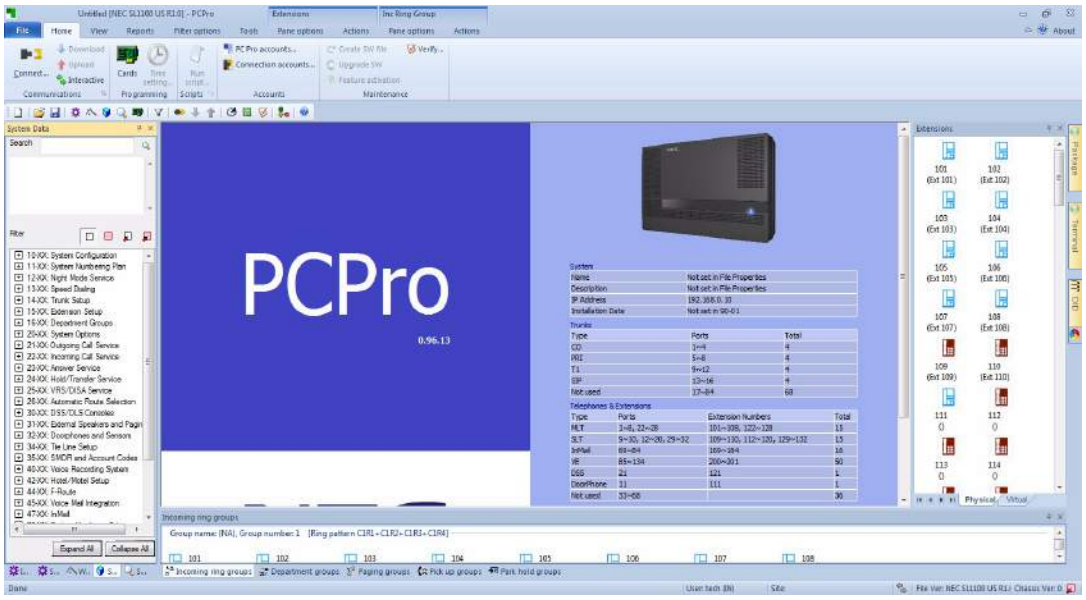


Figure 8-53 Incoming Ring Group Sliding Pane

6.2 Incoming Ring Group Ribbon Bar – Pane Options

Where extension name (15-01) does not exist, uses extension number (11-02).

Figure 8-54 Incoming Ring Group Pane Options - View

View

View Inc Ring group = adds to or removed from bottom sliding pane area.

Pane style = changes view on sliding pane.

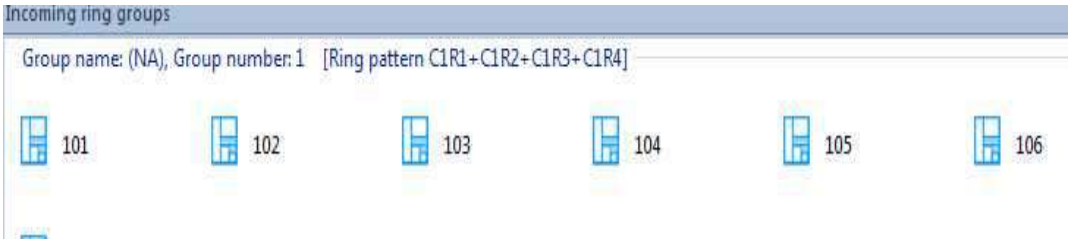


Figure 8-55 Incoming Ring Group Pane Options- Large Icons

Large icons = Large icon, Name (15-01) and Number (11-02).

Figure 8-56 Incoming Ring Group Pane Options - Details

Details = Small icon, Number (11-02) and Name (15-01).

.

Figure 8-57 Incoming Ring Group Pane Options - Small Icons

Small icons = Small icon, name (15-01) and number (11-02).

Figure 8-58 Incoming Ring Group Pane Options - Tiles

Tiles = Large icon, name (15-01) and number (11-02).

Show number = adds or removes extension number (15-01).

Show name = adds or removed extension name (11-02).

6.3 Incoming Ring Group Ribbon Bar – Actions

Actions

Click on Inc Ring Group action tab in ribbon bar.

Figure 8-59 Incoming Ring Group Pane Options - Actions

Add blank group = adds new blank IRG with no members.

Figure 8-60 Incoming Ring Group Pane - No Members

Remove = has 2 actions:

1. When extension or group of extension is highlighted, removes from current IRG

Figure 8-61 Example - Remove Extension 101

Example: Ext. 101 removed.

2. When blue information line is highlighted, selects all extensions, removes all entries in IRG.

Figure 8-62 Example - Removing All Extensions in IRG 2

Figure 8-63 Example - All Extensions in IRG 2 Removed

Also removes from sliding pane (example: IRG 2 now removed).

Copy and Paste

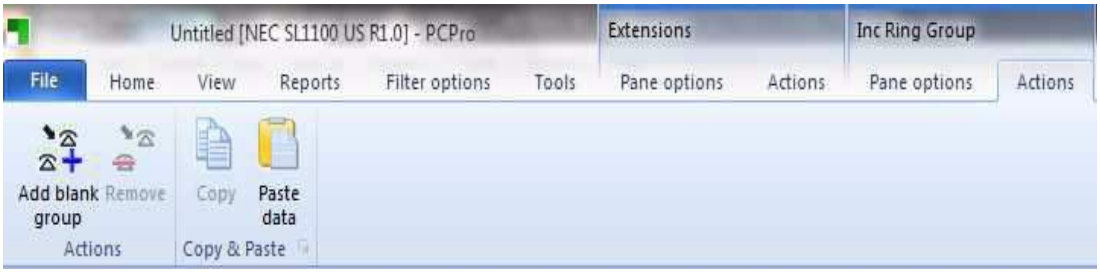


Figure 8-64 Incoming Ring Group Pane Options - Actions

Copy = Copies current selection.

Paste = Pastes copied items to highlighted location.

6.4 Incoming Ring Group - Drag And Drop

Drag and drop supported from Extension sliding pane and between Incoming Ring Groups.

Drag and drop between Incoming Ring Groups automatically re-orders to numerical order in 22-04.

From Extension Sliding Pane To Incoming Ring Group

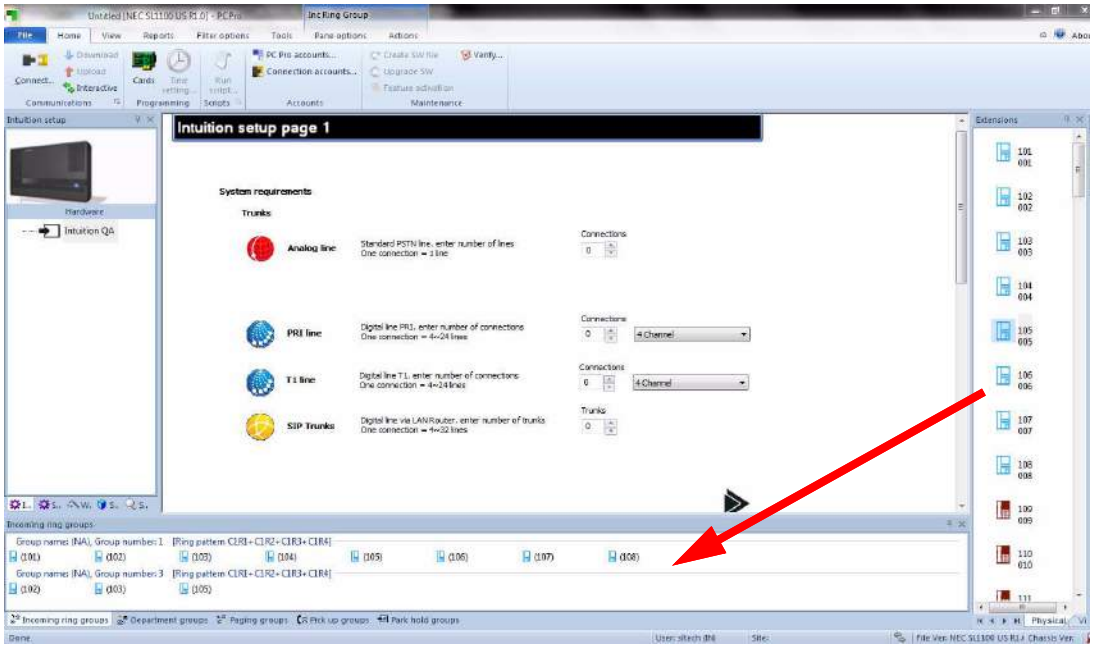


Figure 8-65 From Extension Sliding Pane To Incoming Ring Group

From Incoming Ring Group - To Incoming Ring Group

Drag and drop to new location – re-orders group in numerical order.

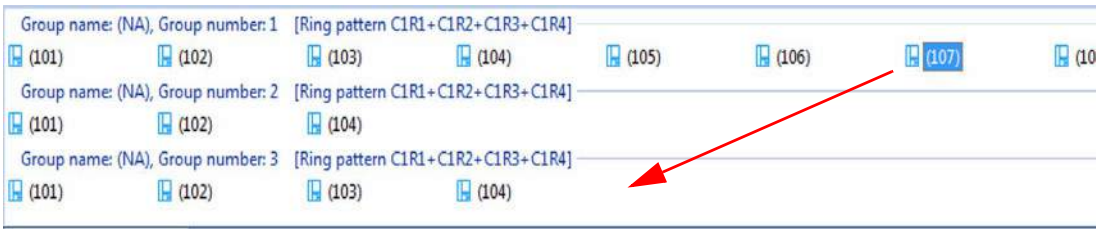


Figure 8-66 From Incoming Ring Group - To Incoming Ring Group

From Incoming Ring Group - To Any Other Group

Drag to other group type and sliding pane changes.

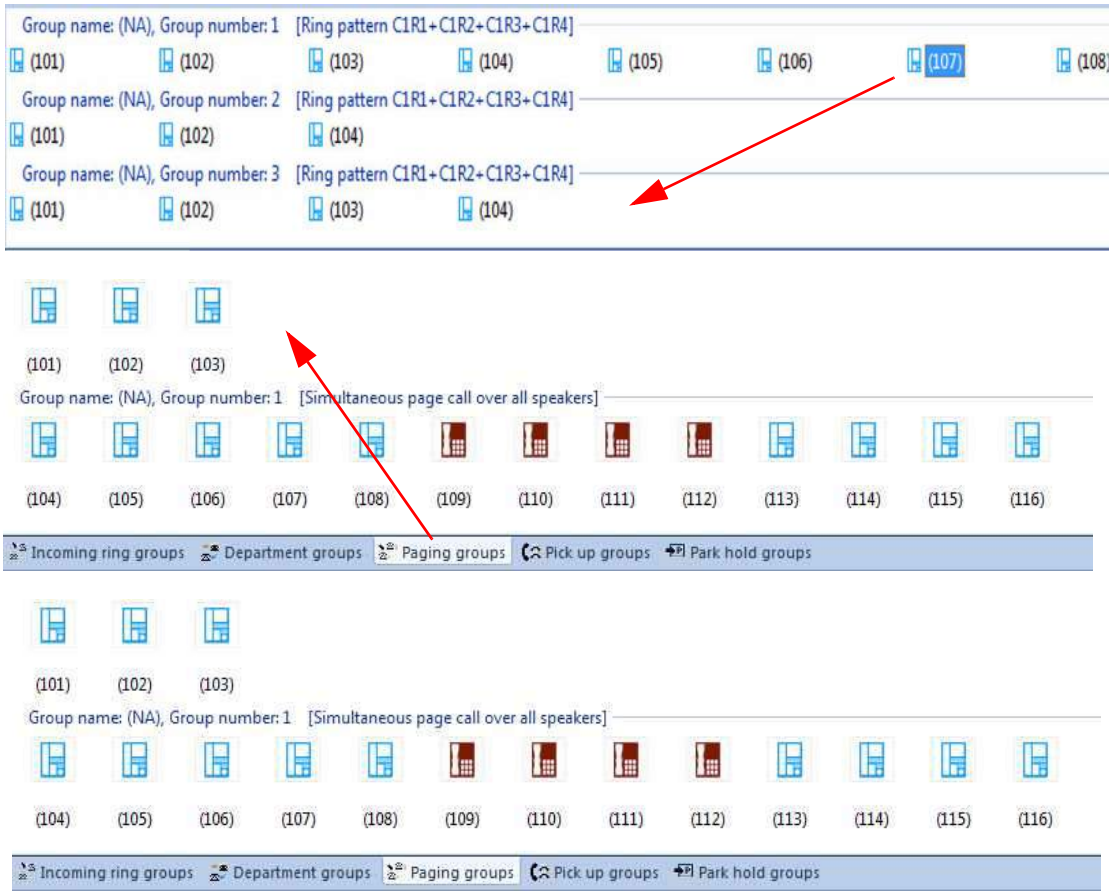


Figure 8-67 From Incoming Ring Group - To Any Other Group

SECTION 7 DEPARTMENT GROUP SLIDING PANE

Open department group sliding pane, reads both Primary (16-02) and secondary membership (16-03).

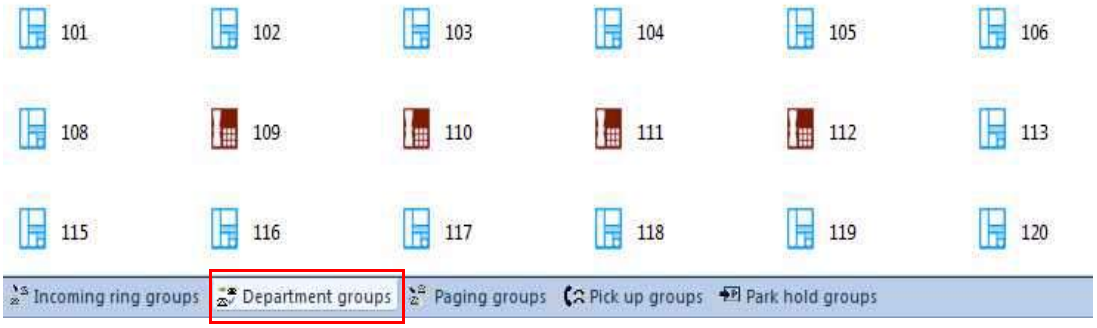


Figure 8-68 Department Group

- *Drag and drop from extension sliding pane programs 16-03.*
- *Drag and drop between department groups programs 16-03.*
- *Drag and drop in same group changes priority, either 16-02-02 or 16-03-02.*
- *When Department group properties are set to all ring 16-01 item 05 automatic, drag and drop is not supported.*

7.1 General Description - Department Groups

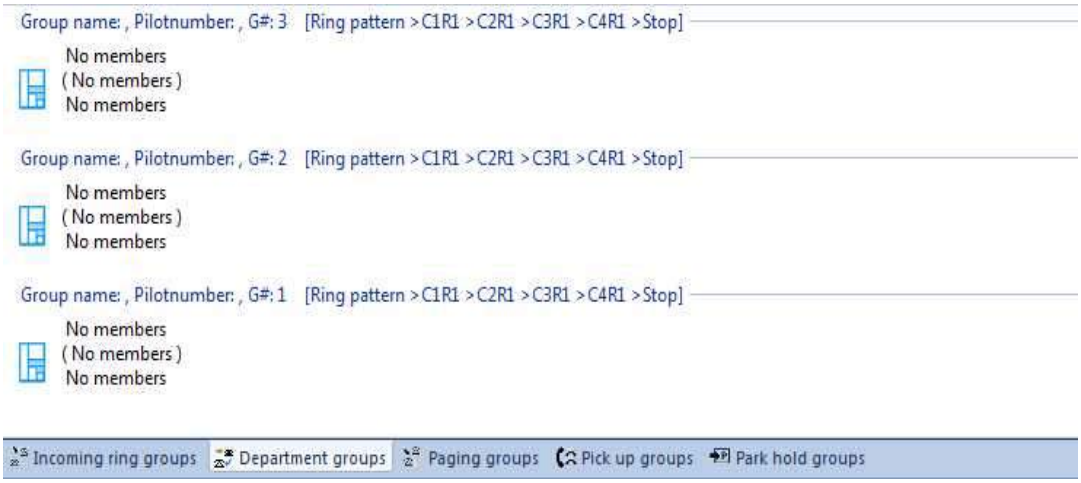


Figure 8-69 Department Groups

- Group name from 16-01-01.
- Pilot number from 11-07.
- Ring pattern from 16-01 items 4 and 5.

  Cx = Call number

  Rx =Ring order

  > = Step

  + = all ring

  Stop = stop at last member

  Repeat = circular

7.2 Department Group Ribbon Bar – Pane Options

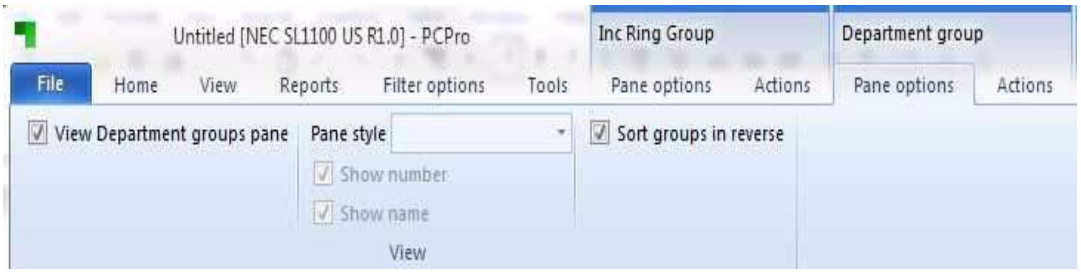


Figure 8-70 Department Group Ribbon Bar - Pane Options

Click on Department group pane options.

View

View Department group pane – adds or removed department group sliding pane.

Pane style – changes view of sliding pane.

- ❑ Show number = adds or removes extension number (15-01).
- ❑ Show name = adds or removed extension name (11-02).
- ❑ Sort groups in reverse = changes order of department listing.

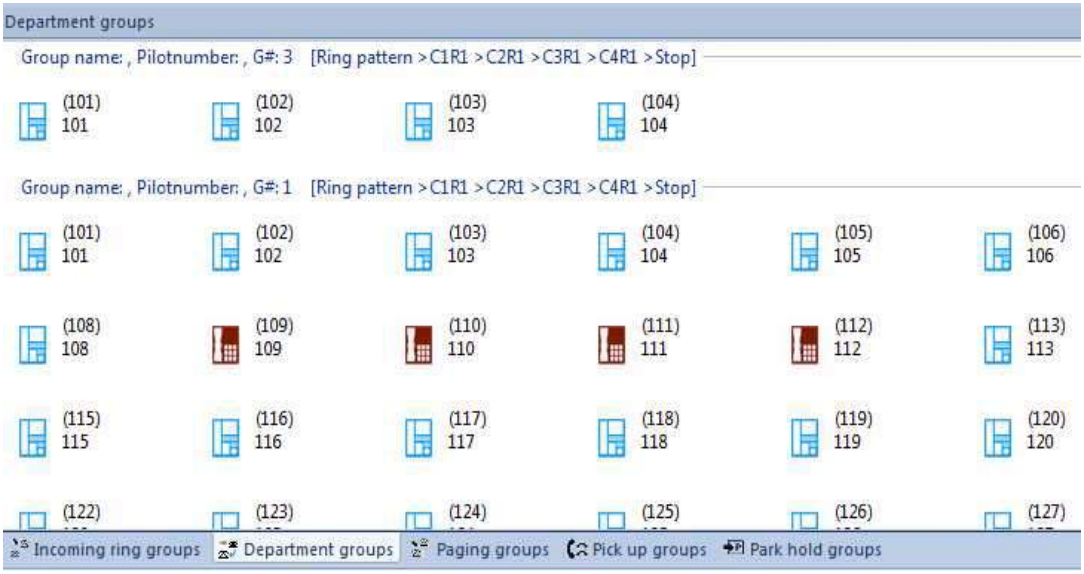


Figure 8-71 Department Group Ribbon Bar - Large Icons

Large icons = Large icon, Name (15-01) and Number (11-02).

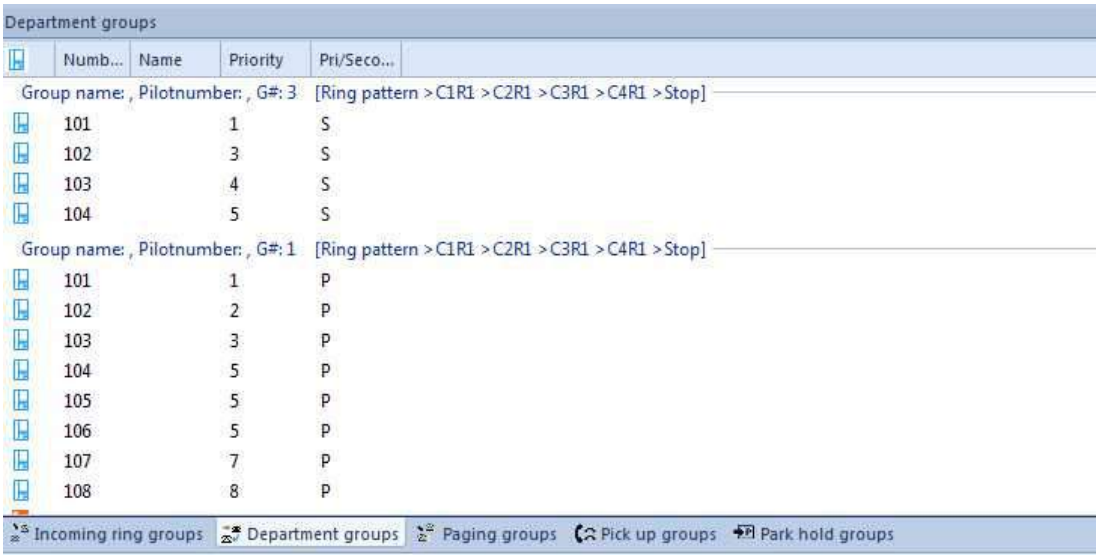


Figure 8-72 Department Group Ribbon Bar - Details

Details = Small icon, Number (11-02), Name (15-01), group priority (16-02-02) and primary or secondary membership P = in 16-02 and S = in 16-03.

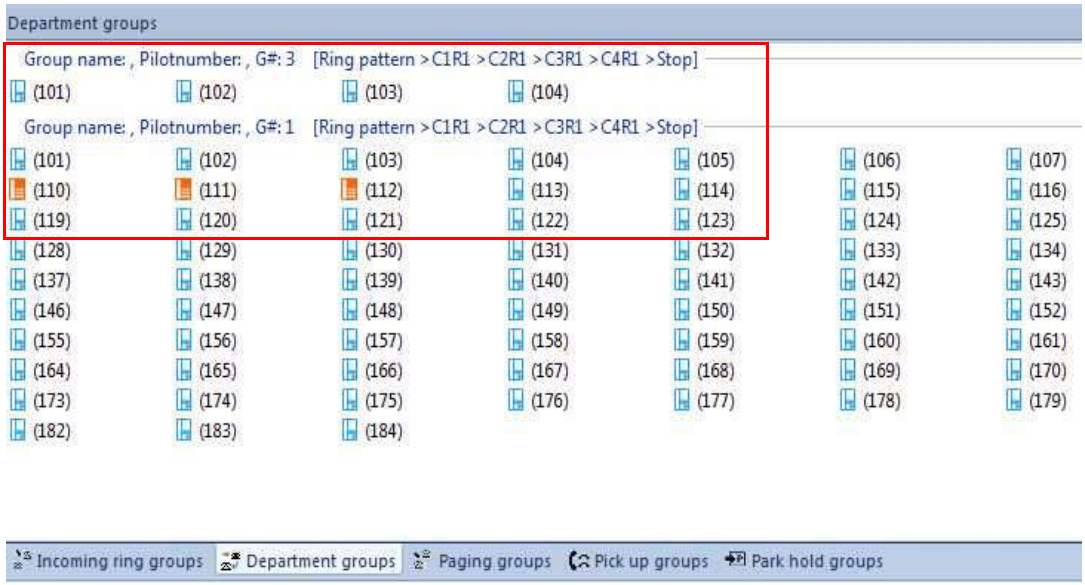


Figure 8-73 Department Group Ribbon Bar - Small Icons

Small icons = Small icon, Name (15-01) and number (11-02).

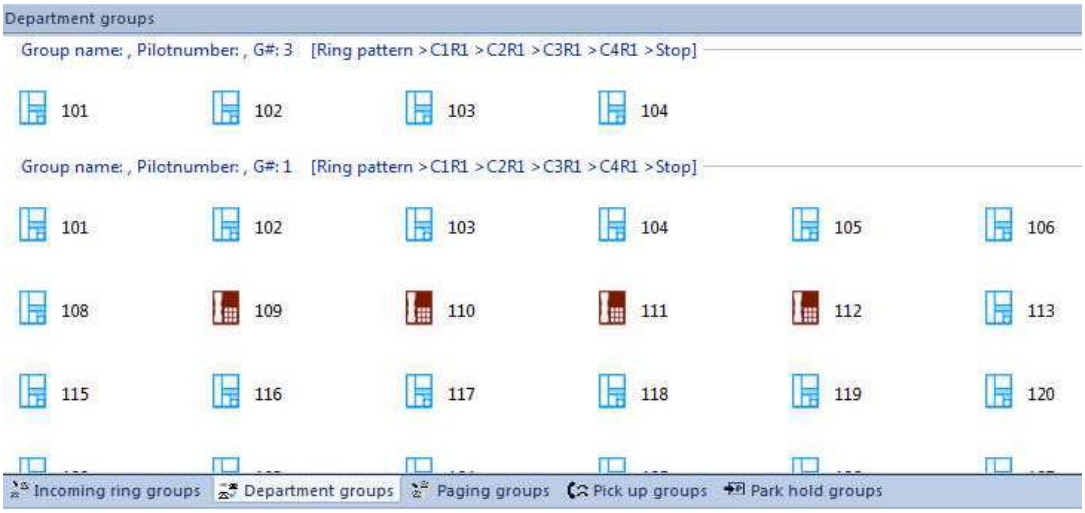


Figure 8-74 Department Group Ribbon Bar - Tiles

Tiles = Large icon, Number (11-02) and Name (15-01) .

7.3 Department Group Ribbon Bar – Actions

Actions

Figure 8-75 Department Group Ribbon Bar - Actions

Figure 8-76 Department Group Ribbon Bar - Actions

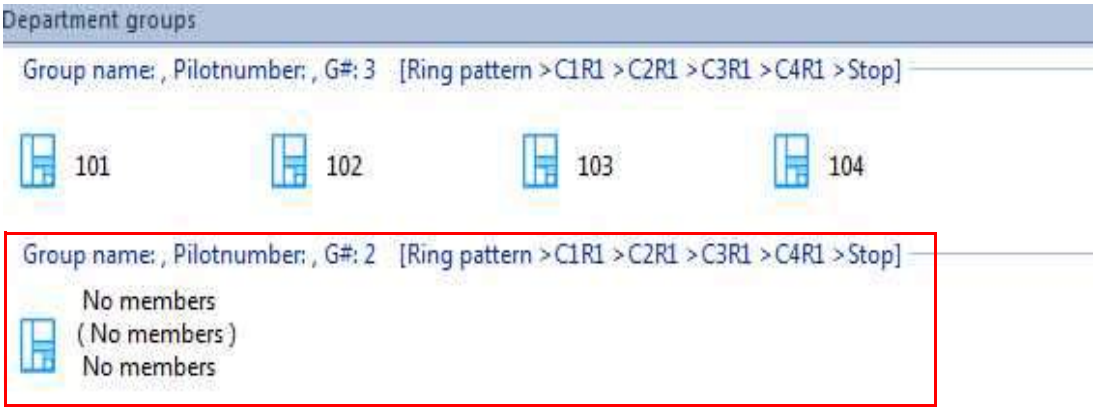


Figure 8-77 Department Group Ribbon Bar - Add Blank Group

Add blank group = adds blank group with no members.

Remove = does two actions

1. Removed extension from department groups 2-32 because the extension must be in a department group does not apply to department group 1.

   When extension or group of extension highlighted, removes from current department group.

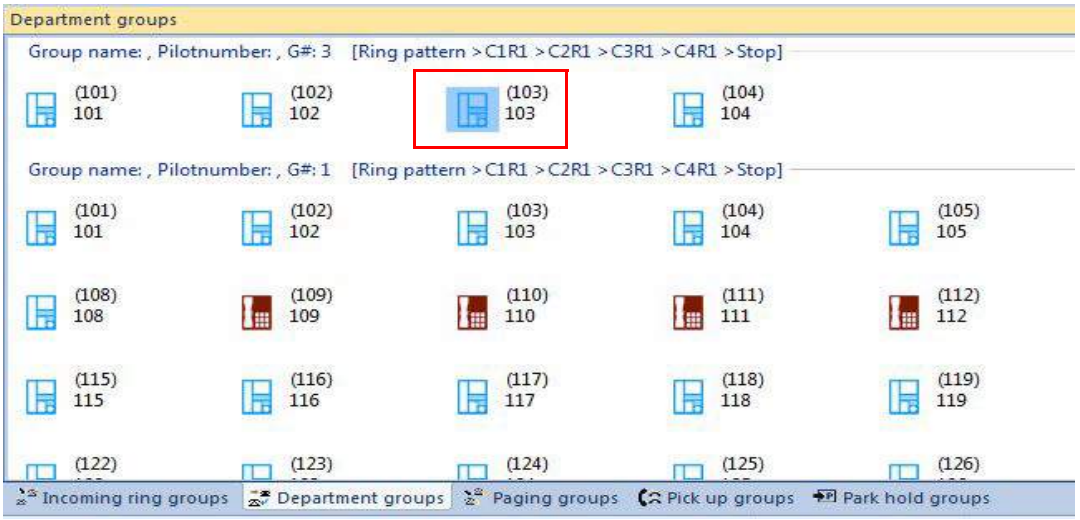


Figure 8-78 Department Group Ribbon Bar - Remove Group

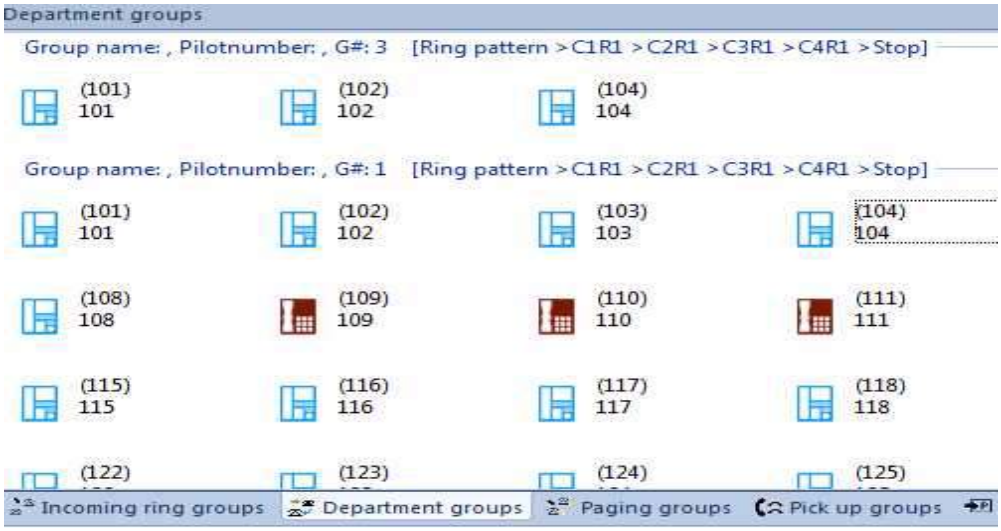


Figure 8-79 Department Group Ribbon Bar - Group 103 Removed

Example: 103 now removed.

2. When blue information line is highlighted selects all extensions, removes all entries in the group.

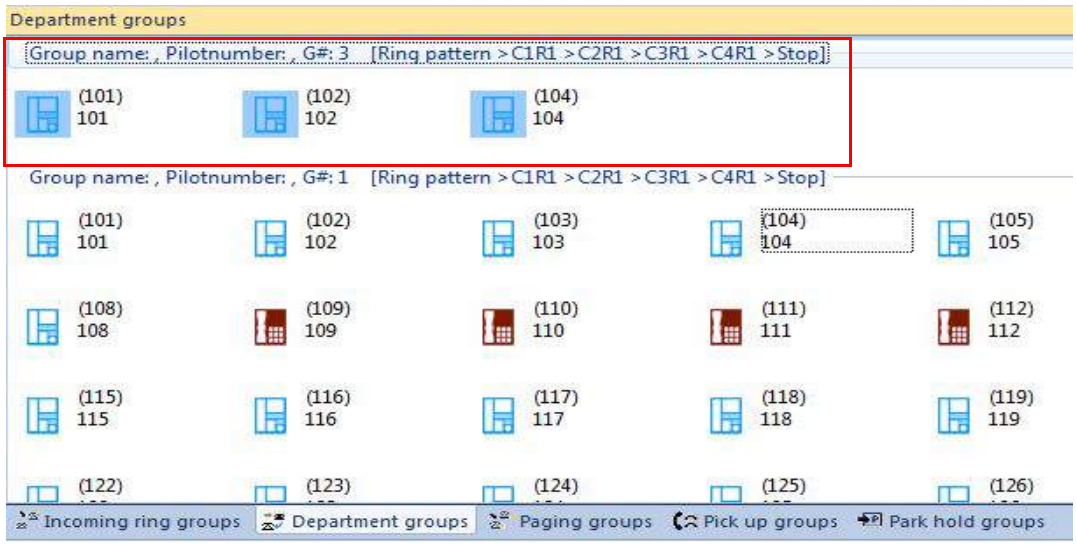


Figure 8-80 Department Group Ribbon Bar - Remove All Group 2

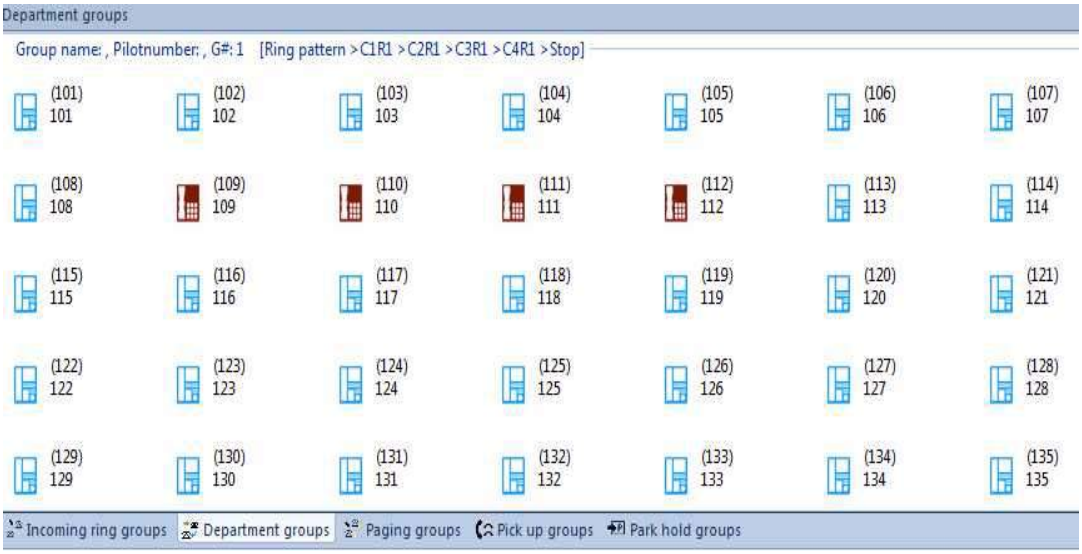


Figure 8-81 Department Group Ribbon Bar - Group 3 Removed

Also removes information from sliding pane (example: Department Group 3 now removed).

Copy and Paste

Figure 8-82 Department Group Ribbon Bar - Cut & Paste

Copy = Copies current selection.

Paste = Pastes copied extensions to highlighted location and is entered as a secondary group member (16-03).

7.4 Department Group - Drag and Drop

- ❑ Drag and drop from extension sliding pane programs 16-03.
- ❑ Drag and drop between department groups programs 16-03.
- ❑ Drag and drop in same group changes priority, either 16-02-02 or 16-03-02.
- ❑ When Department group properties are set to all ring 16-01 item 05 automatic, drag and drop is not supported.

From Extension Sliding Pane

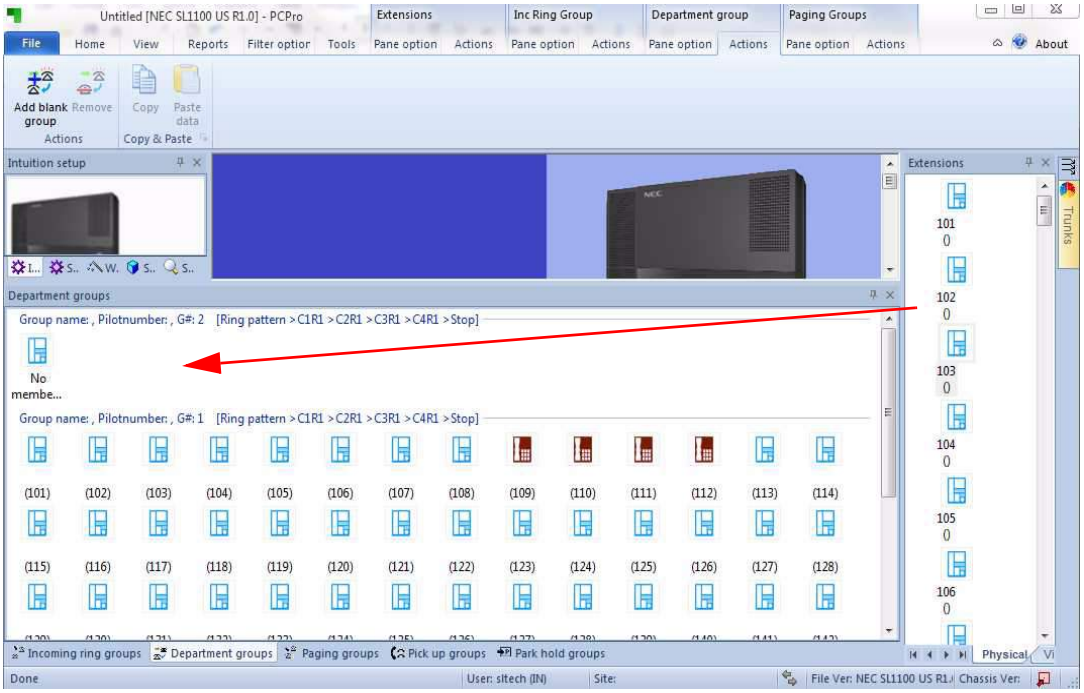


Figure 8-83 Department Group Ribbon Bar - Drag and Drop

From Department Group – To Another Department Group

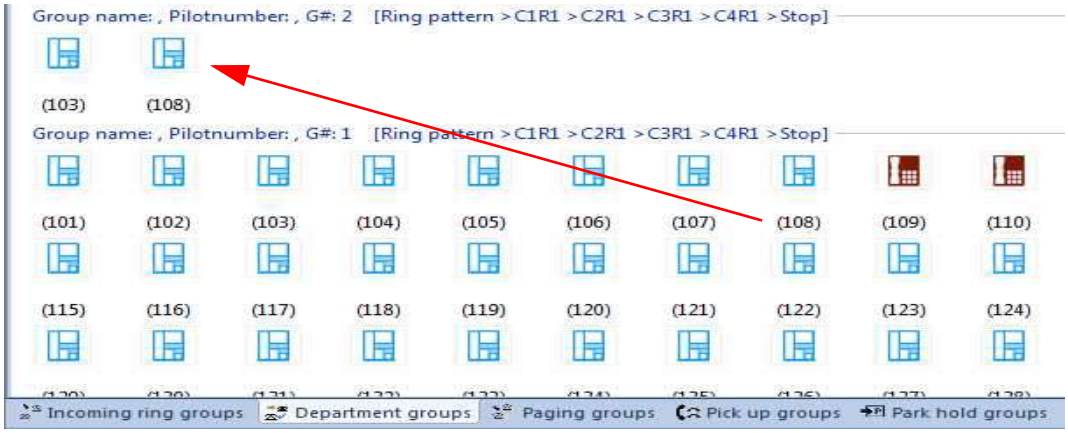


Figure 8-84 Department Group Ribbon Bar - Drag and Drop

Drag and drop to new location – and position (ring order).

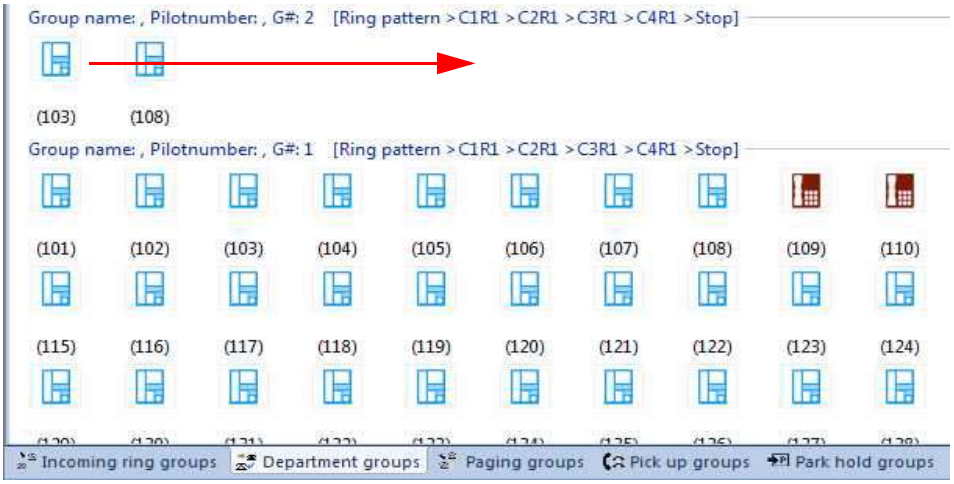


Figure 8-85 Department Group Ribbon Bar - Changing Ring Order

Additionally, you can change priority ring order by dragging and dropping within own group.

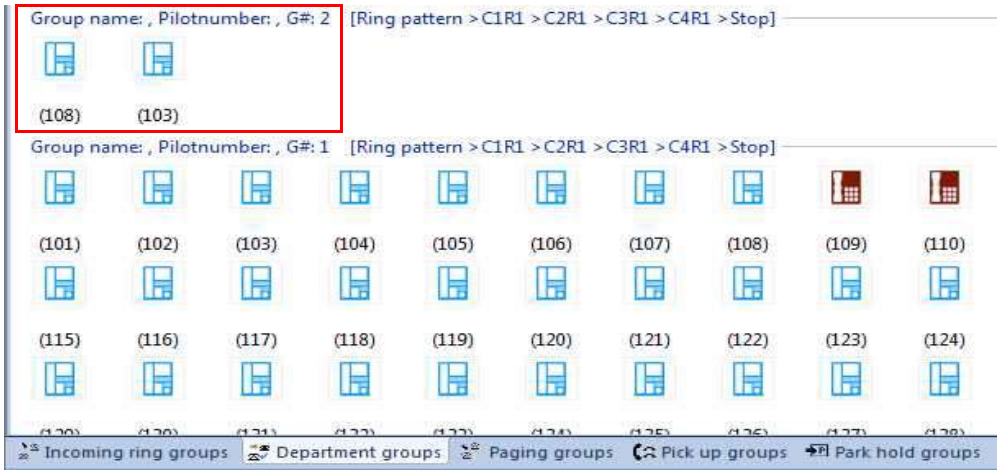


Figure 8-86 Department Group Ribbon Bar - Ring Order Changed

Example: Group #2, 108 and 103 Priority Ring Order is now reversed.

From Department Group - To Any Other Group

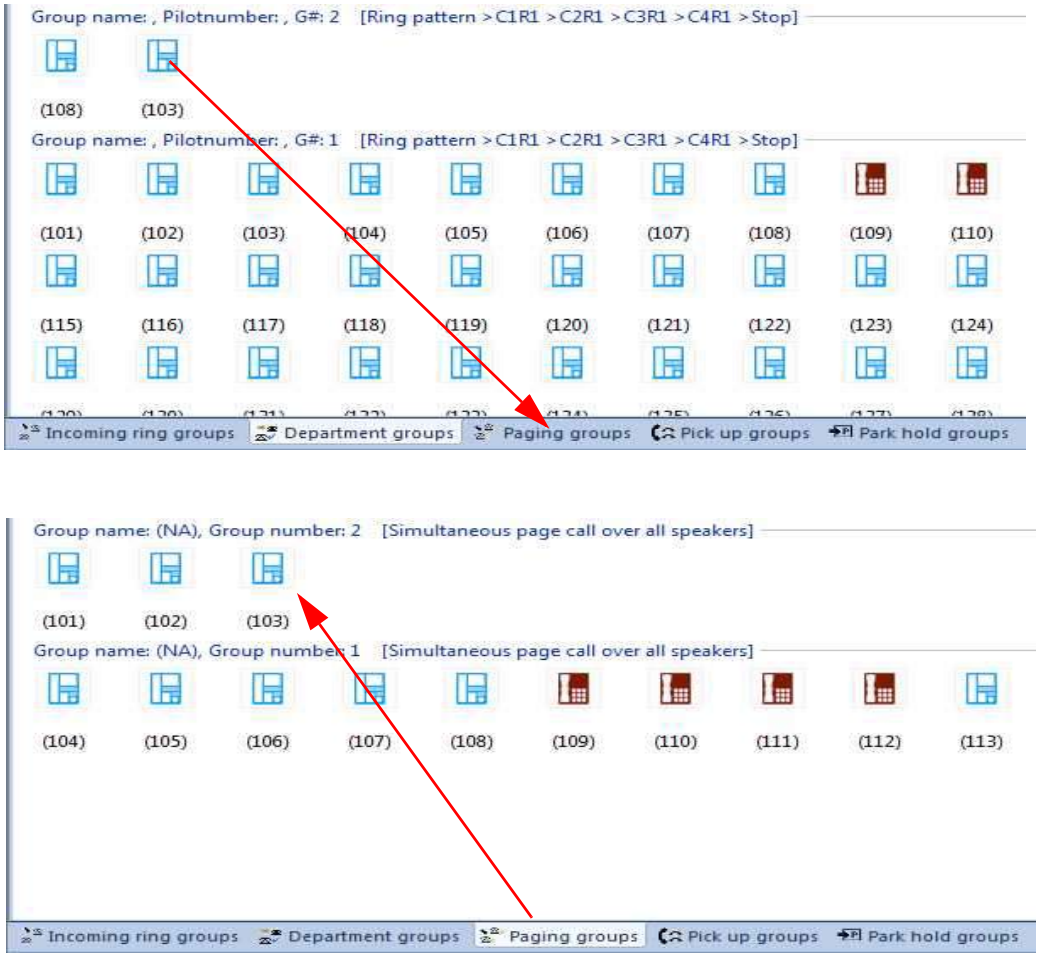


Figure 8-87 Department Group Ribbon Bar - Drag to Other Group

Drag to other group type, and sliding pane changes.

SECTION 8 PAGING GROUPS SLIDING PANE

✎ *Can only be in one paging group so drag and drop moves from original group in 31-02.*

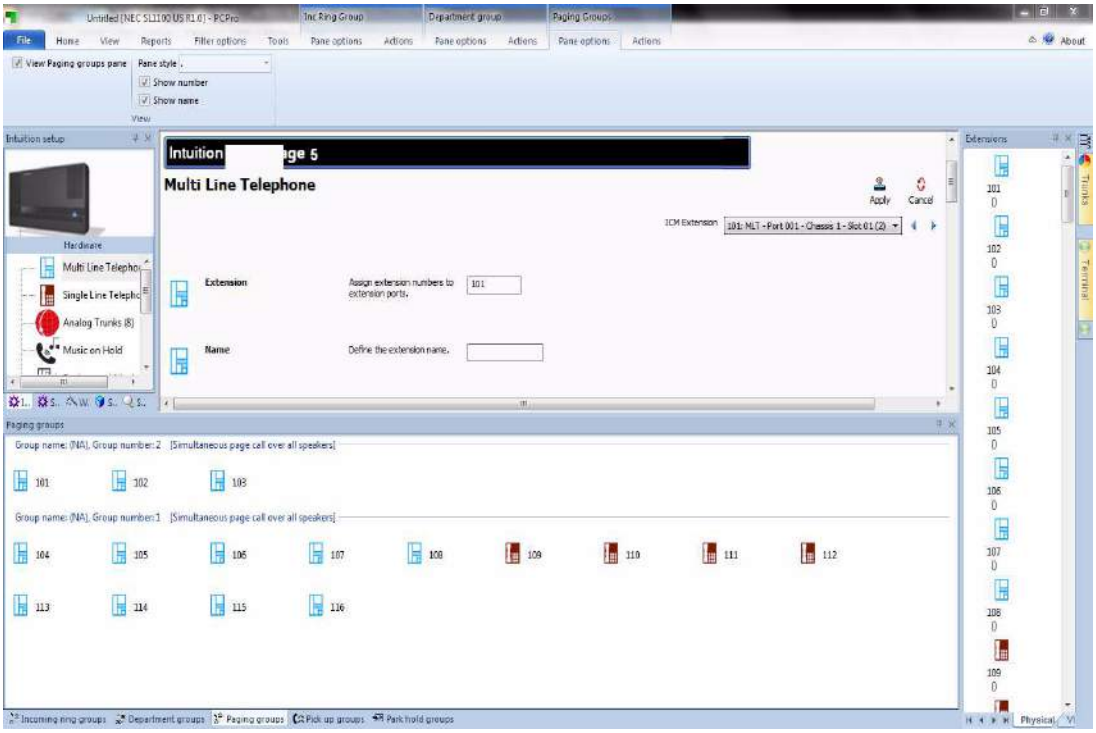


Figure 8-88 Paging Group Sliding Pane

8.1 Pane Options – Paging Groups

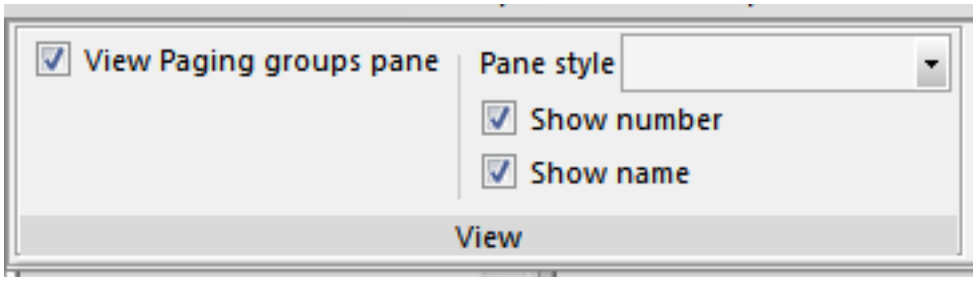


Figure 8-89 Pane Options - Paging Groups

Same view options as Incoming Ring Groups.

8.2 Actions – Paging Groups

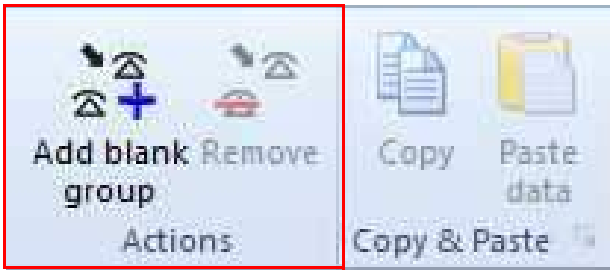


Figure 8-90 Actions - Paging Groups

Same Actions and Copy & Paste options as Incoming Ring Groups.

8.3 Drag And Drop

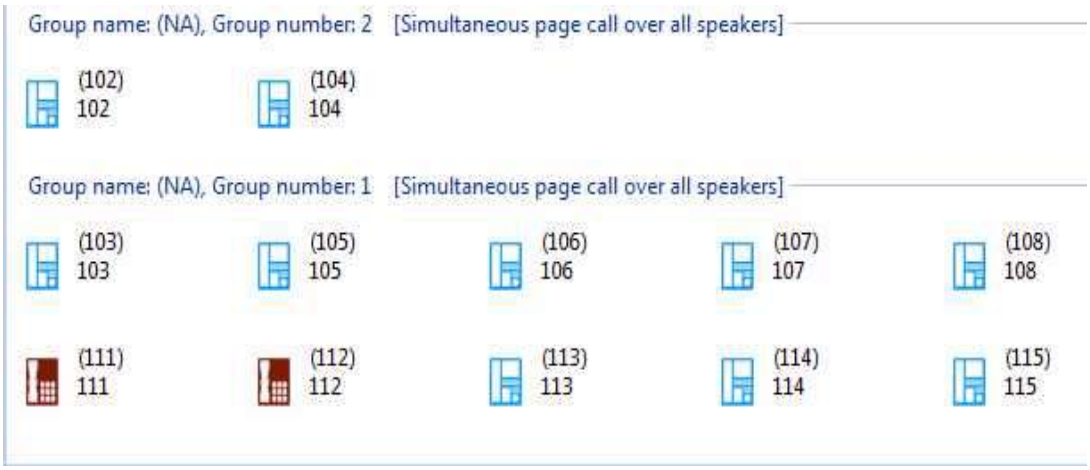


Figure 8-91 Paging Group - Drag and Drop

Drag and drop deleted for original group adds to new group in 31-02.

Drag to an existing group needs to be correct location.

Example: 104 will only be allowed to drop between 103 and 104.

SECTION 9 PICK UP GROUPS SLIDING PANE

✎ *Can only be in one pick up group, so drag and drop moves from original group in 23-02.*

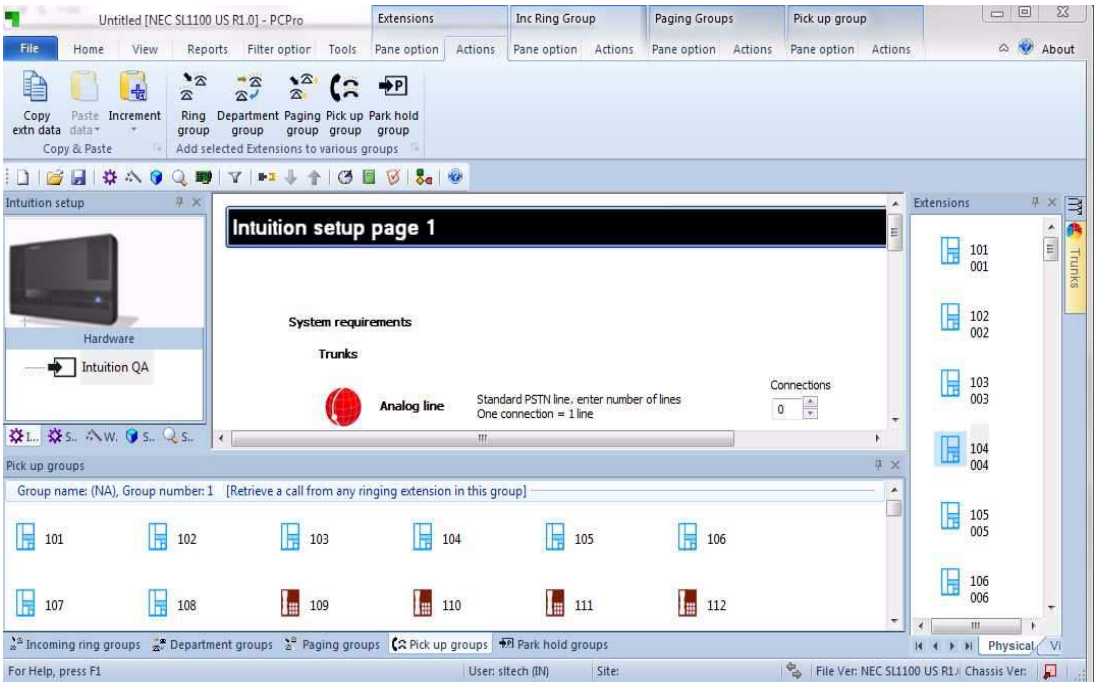


Figure 8-92 Pick Up Groups Sliding Pane

9.1 Pane Options – Pick Up Groups

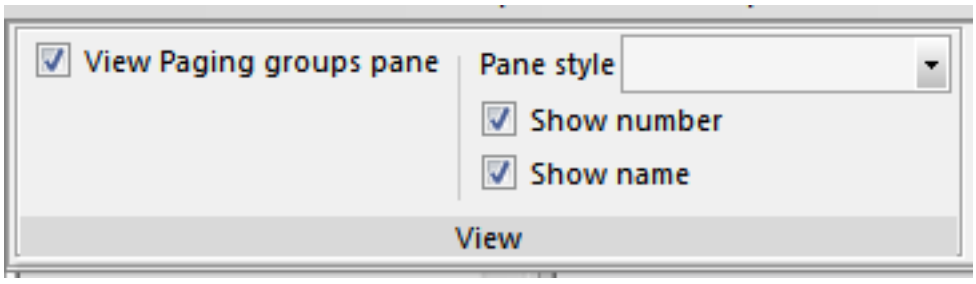


Figure 8-93 Pane Options - Pick Up Groups

Same view options as Incoming Ring Groups.

9.2 Actions – Pick Up Groups

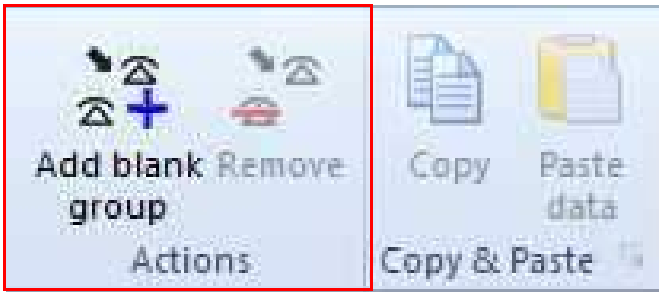


Figure 8-94 Actions - Pick Up Groups

Same Actions and Copy & Paste options as Incoming Ring Groups.

9.3 Drag And Drop

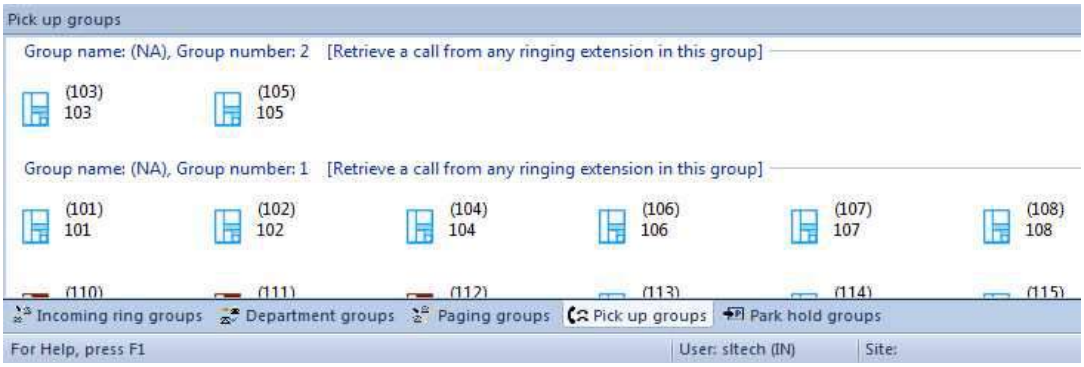


Figure 8-95 Drag and Drop - Pick Up Groups

Drag and drop deletes for original group adds to new group in 23-02.

Drag to an existing group automatically re-orders to numerical order.

Example: 102 will only be allowed to drop anywhere in group 1.

SECTION 10 PARK HOLD GROUPS SLIDING PANE

✎ *Can only be in one park hold group so drag and drop moves from original group in 24-03.*

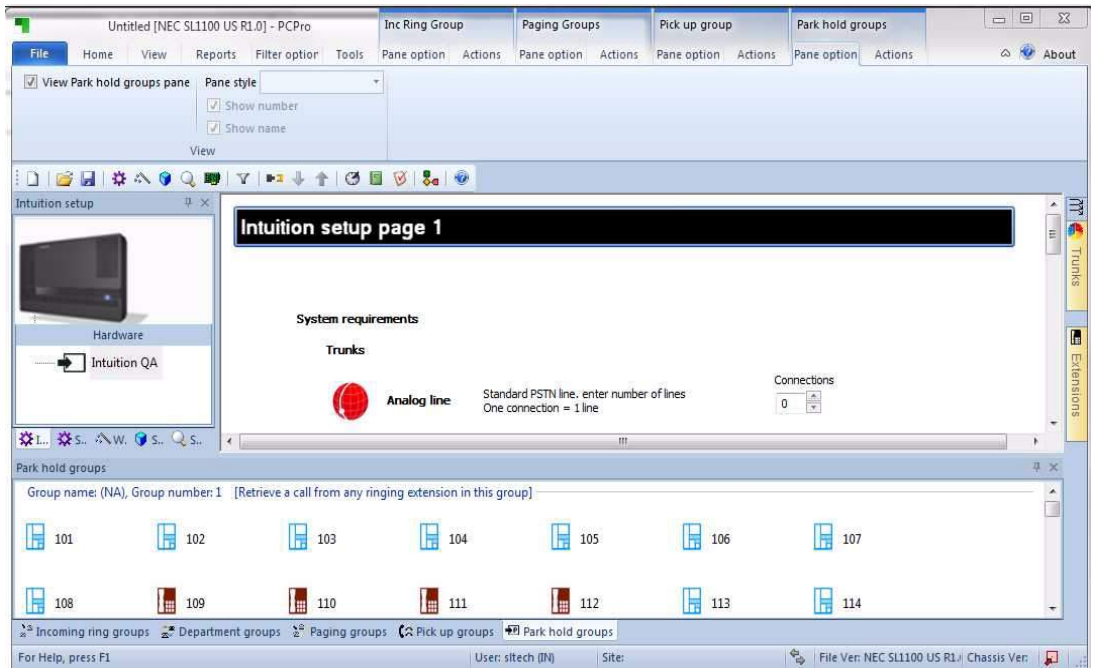


Figure 8-96 Park Hold Groups Sliding Pane

10.1 Pane Options – Park Hold Groups

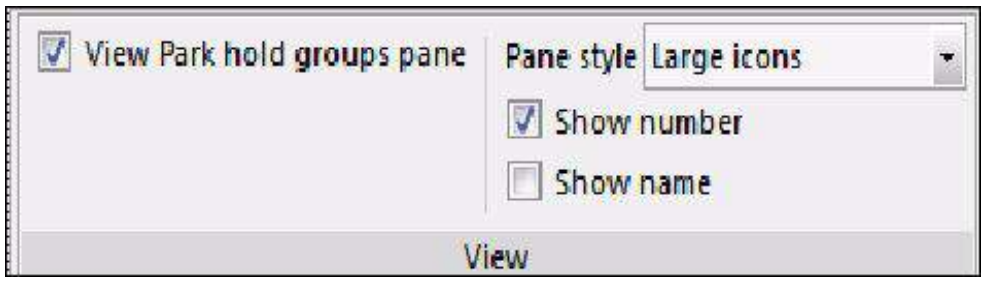


Figure 8-97 Pane Options - Park Hold Groups

Same view options as Incoming Ring Groups.

10.2 Actions – Park Hold Groups

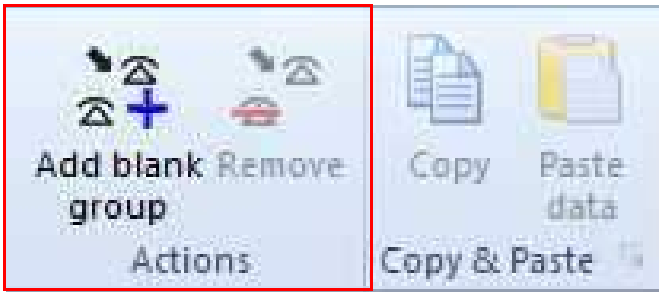


Figure 8-98 Actions - Park Hold Groups

Same Actions and Copy & Paste options as Incoming Ring Groups.

10.3 Drag And Drop

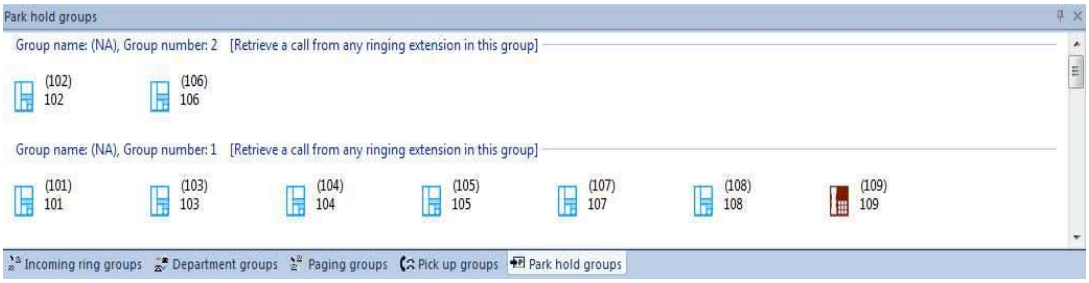


Figure 8-99 Drag and Drop - Park Hold Groups

Drag and drop deletes for original group adds to new group in 24-03.

Drag to an existing group needs to be correct location.

Example: 102 will only be allowed to drop between 101 and 103.

-- NOTES --

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.

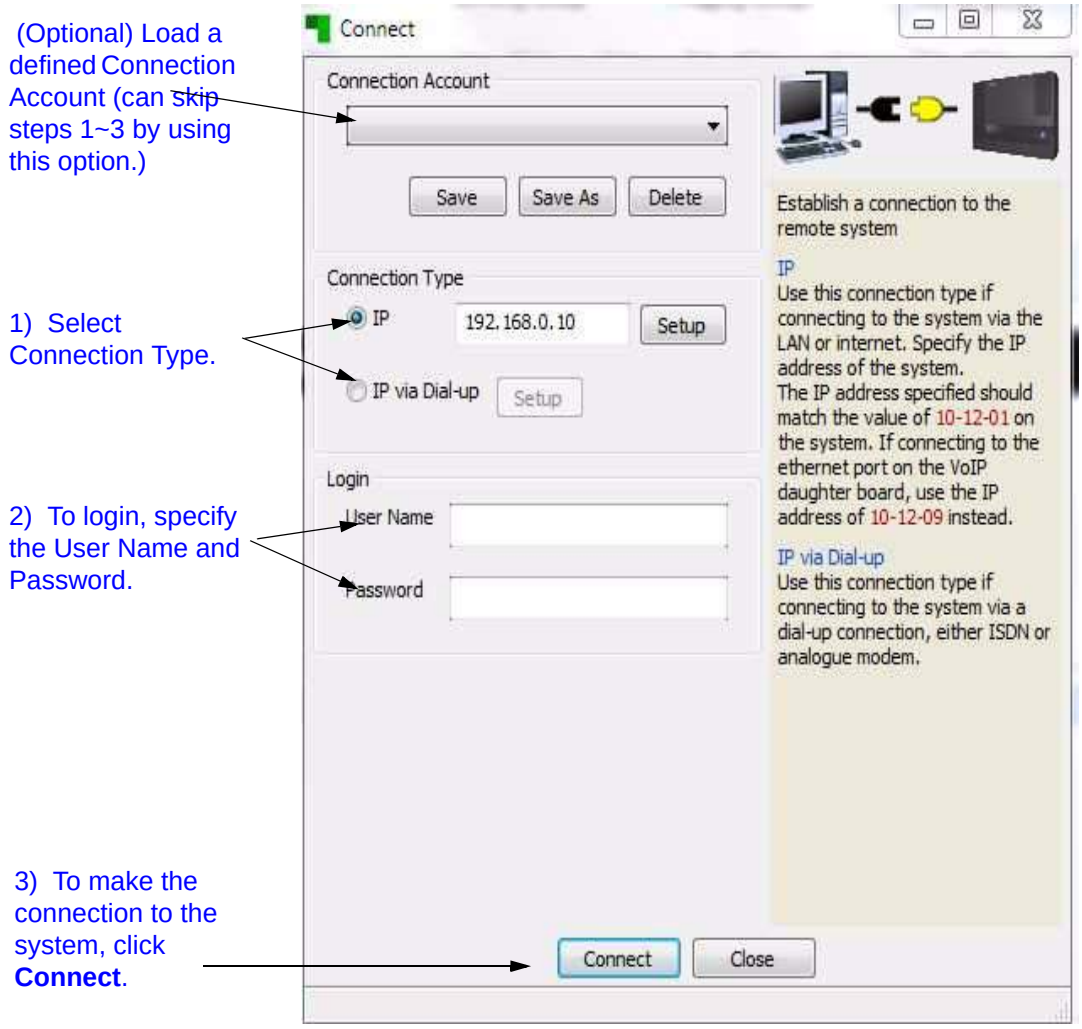


Figure A-2 Connect Dialog

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.

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**.

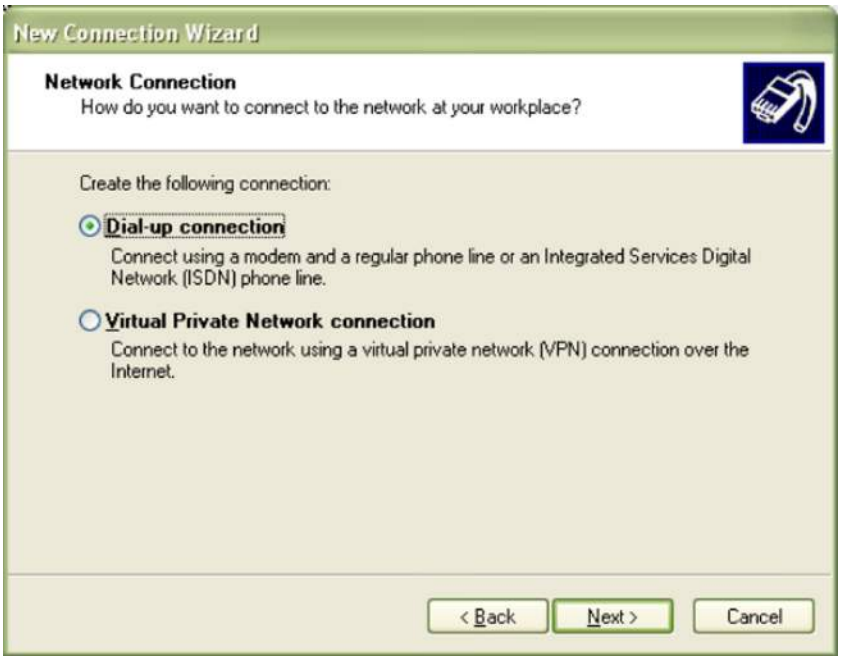


Figure A-5 Network Connection Dialog

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

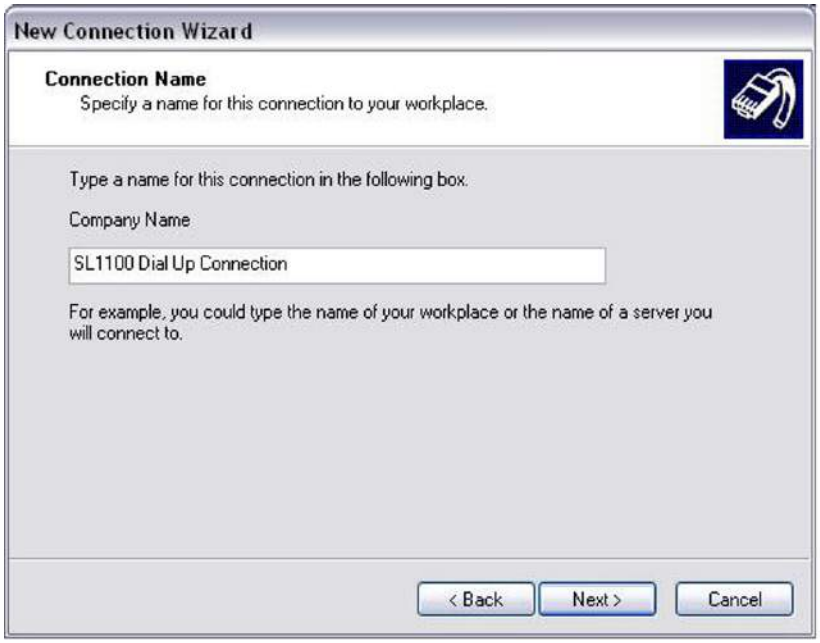


Figure A-6 Connection Name Dialog

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.

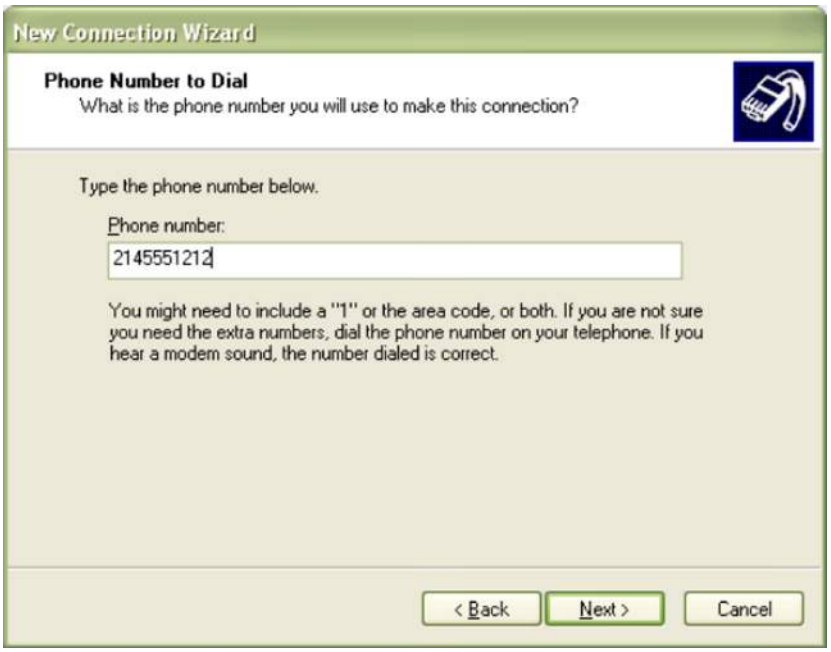


Figure A-7 Phone Number to Dial Dialog

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.

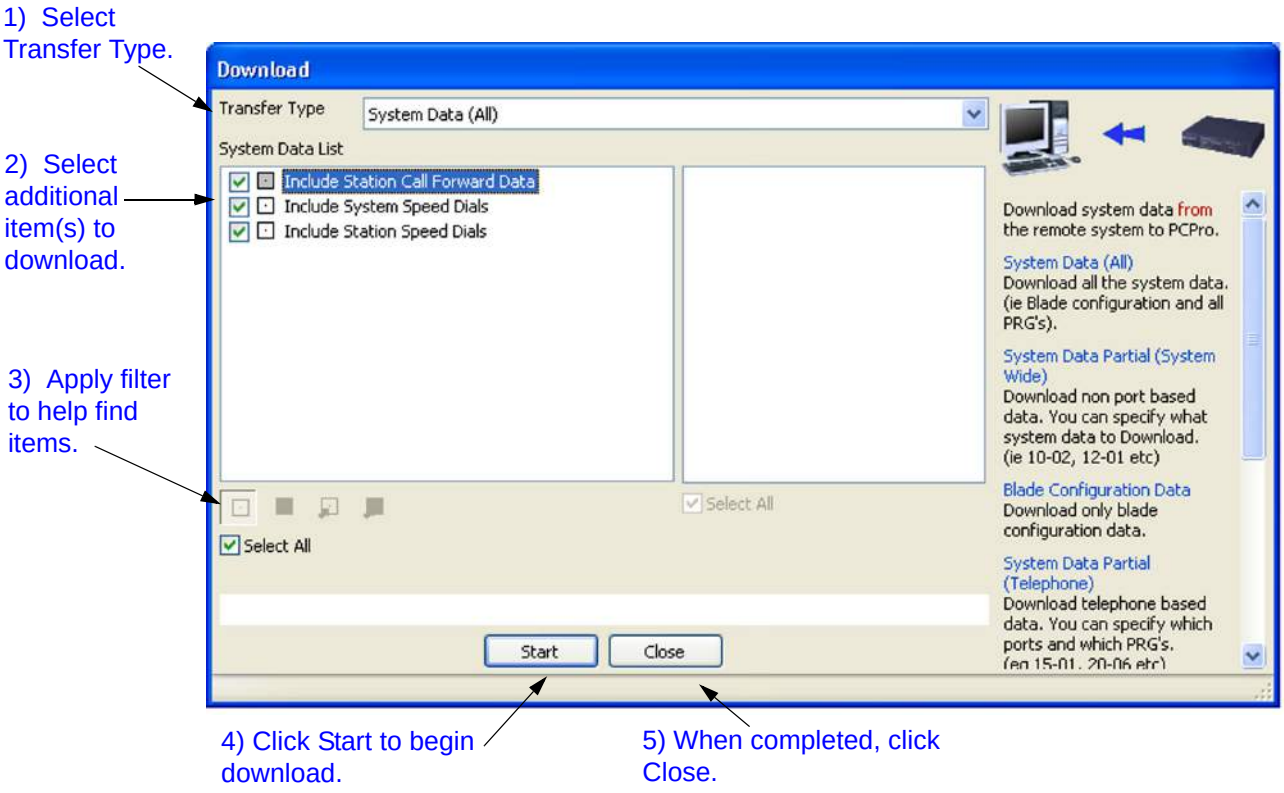


Figure A-10 Download Dialog

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.

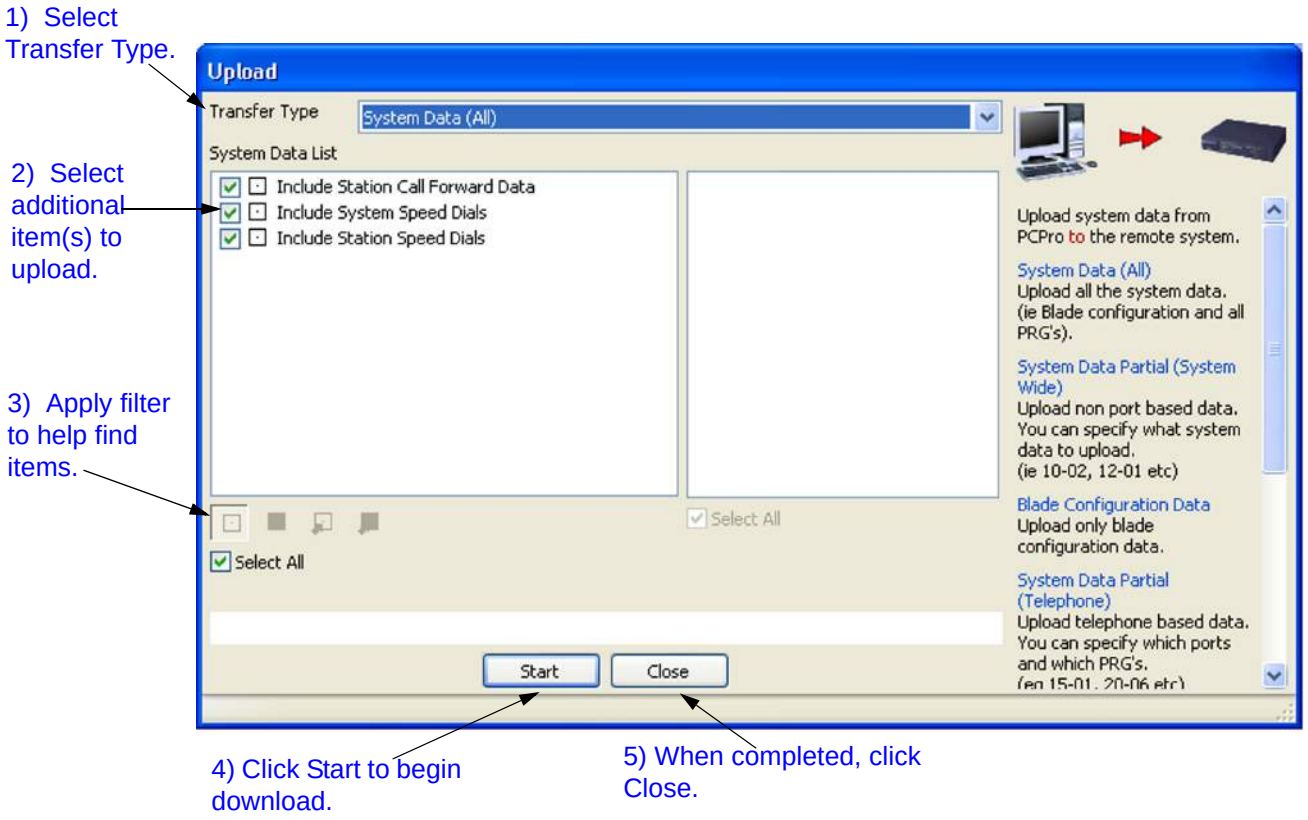


Figure A-11 Upload Dialog

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.

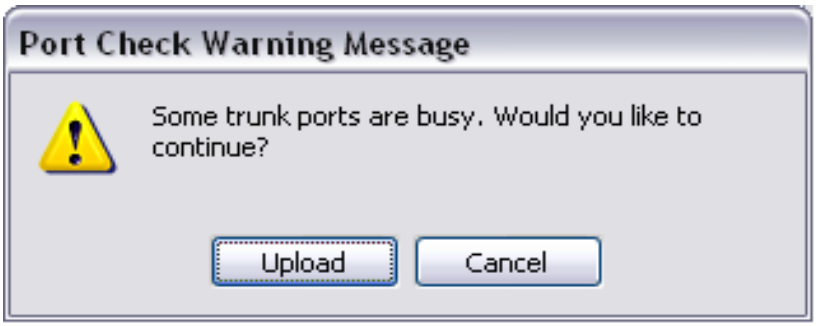


Figure A-12 Trunk Ports Busy Warning

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

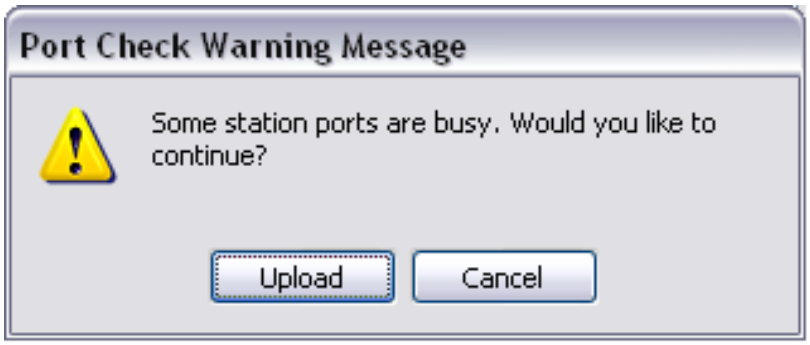


Figure A-13 Station Ports Busy Warning

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.

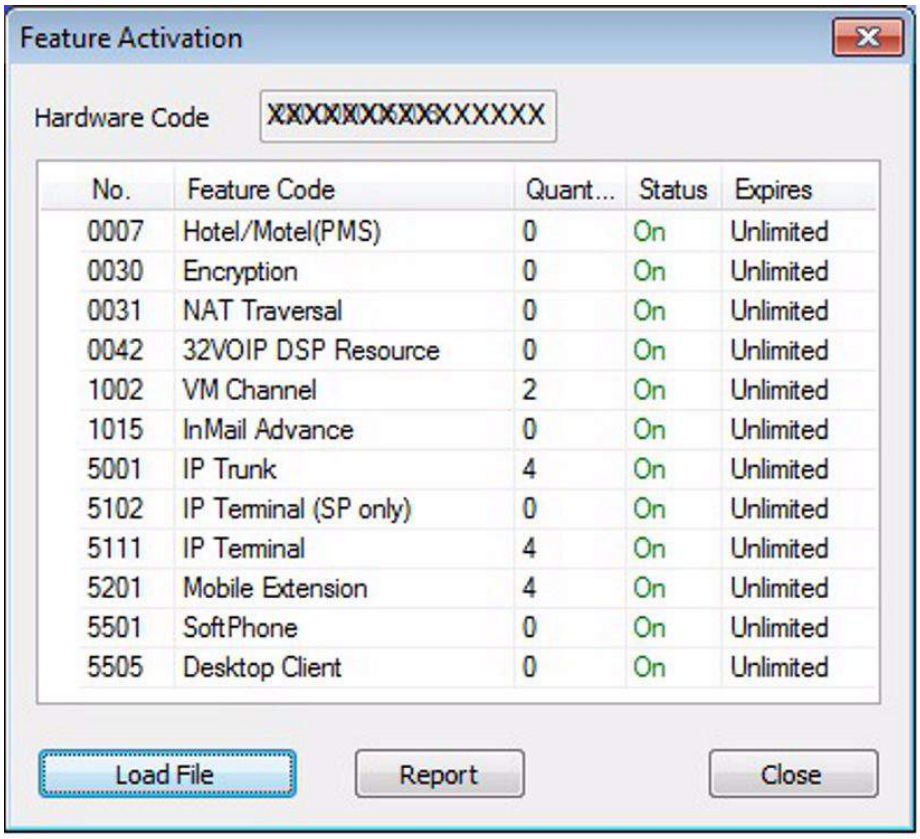


Figure A-14 Feature Activation Dialog

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.

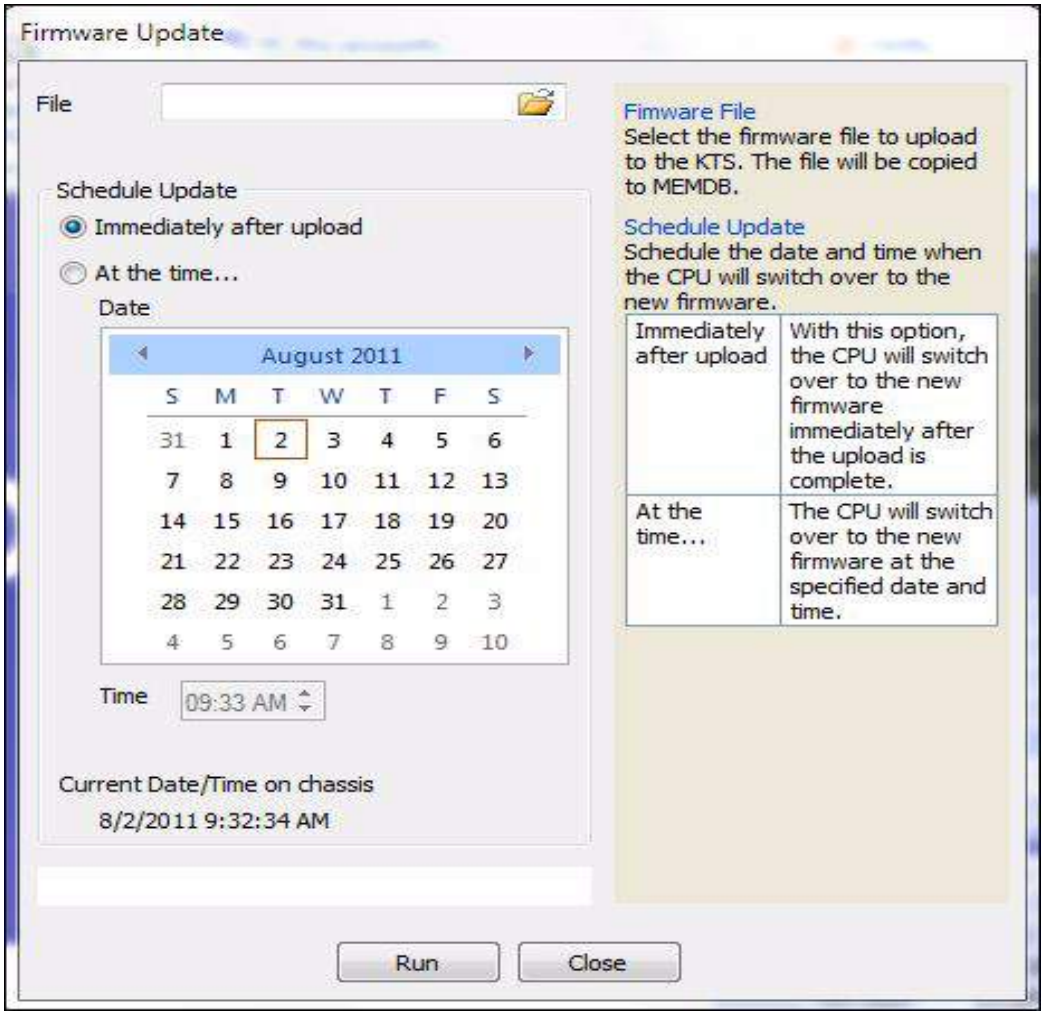


Figure A-15 Firmware Update Dialog

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.

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.

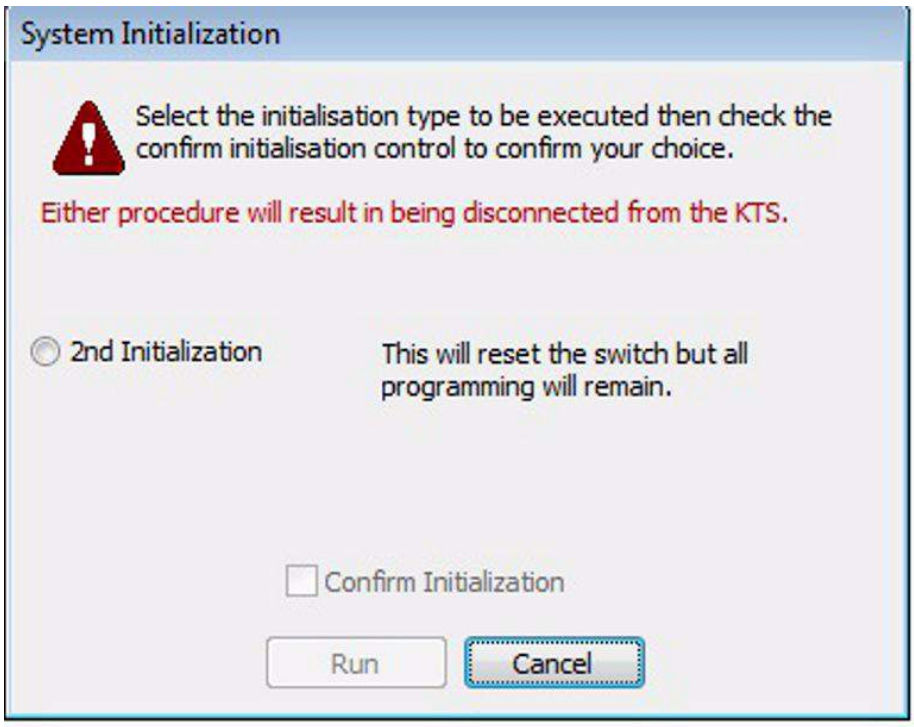


Figure A-16 System Initialization Dialog

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

SECTION 1 OVERVIEW

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.

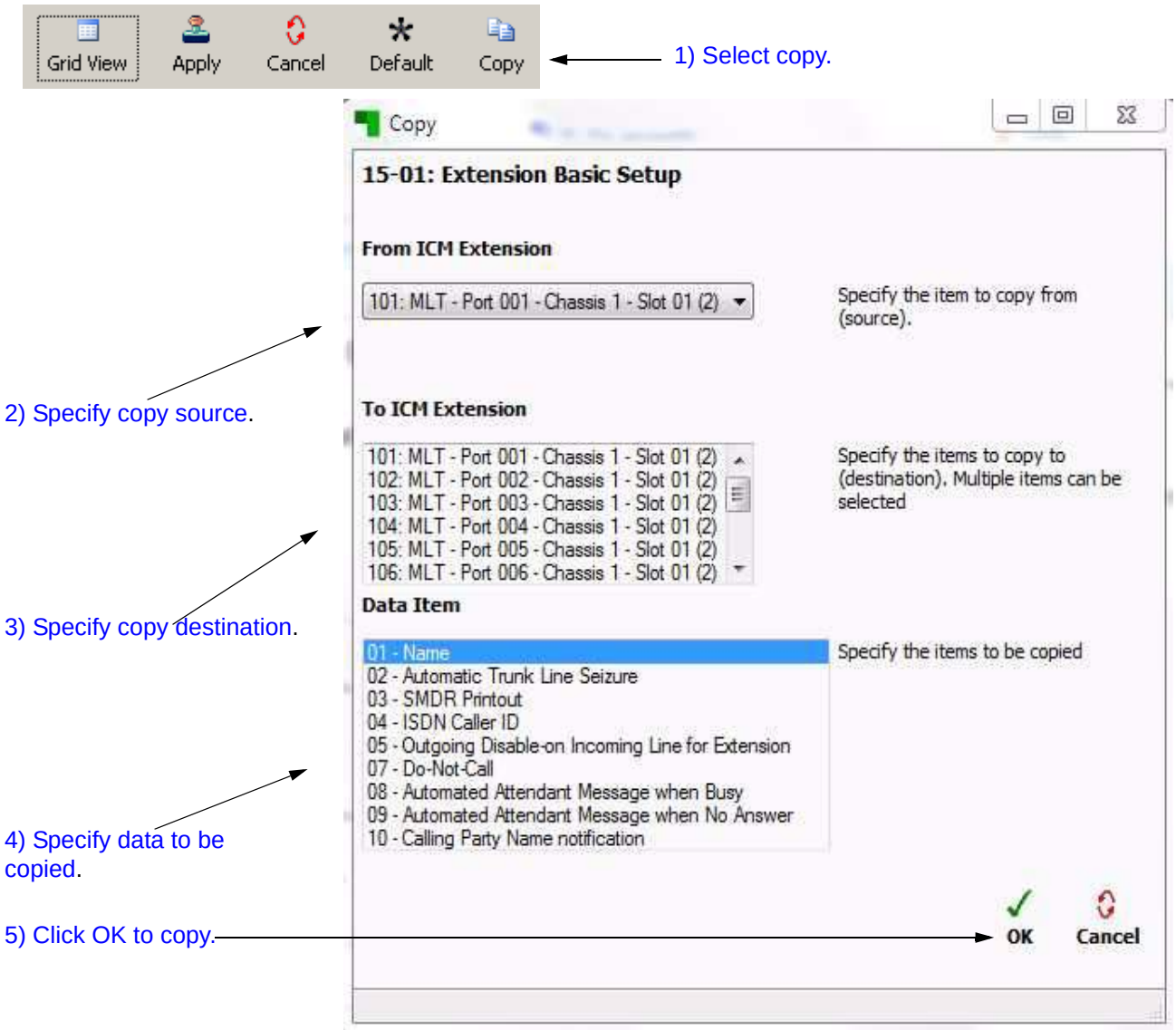


Figure B-1 System Data Copy

SECTION 2 COPYING SYSTEM DATA

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.

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

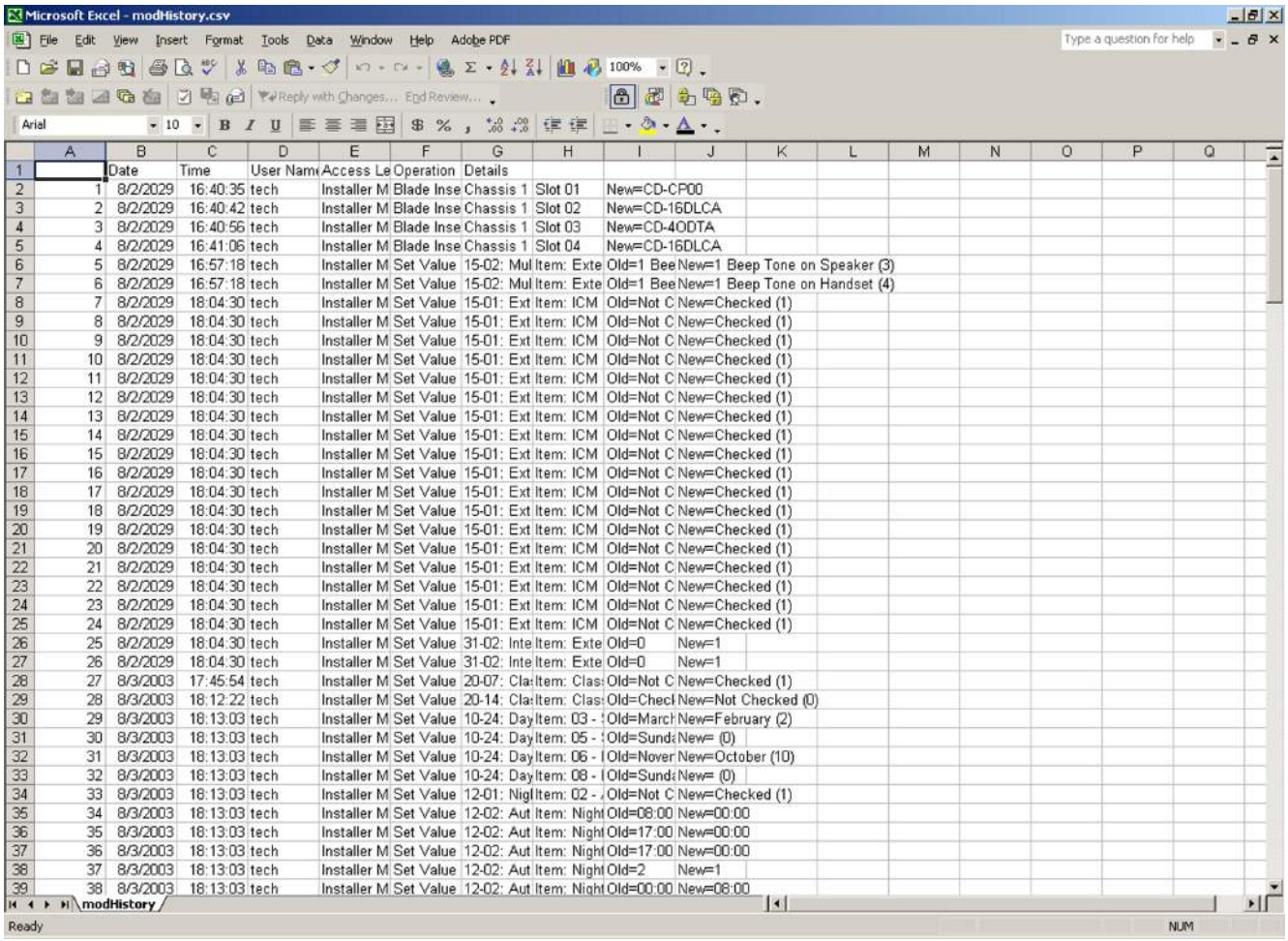
File Edit View Favorites Tools Help

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 Nam	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=Check	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=Sunda	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=Sunda	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.)

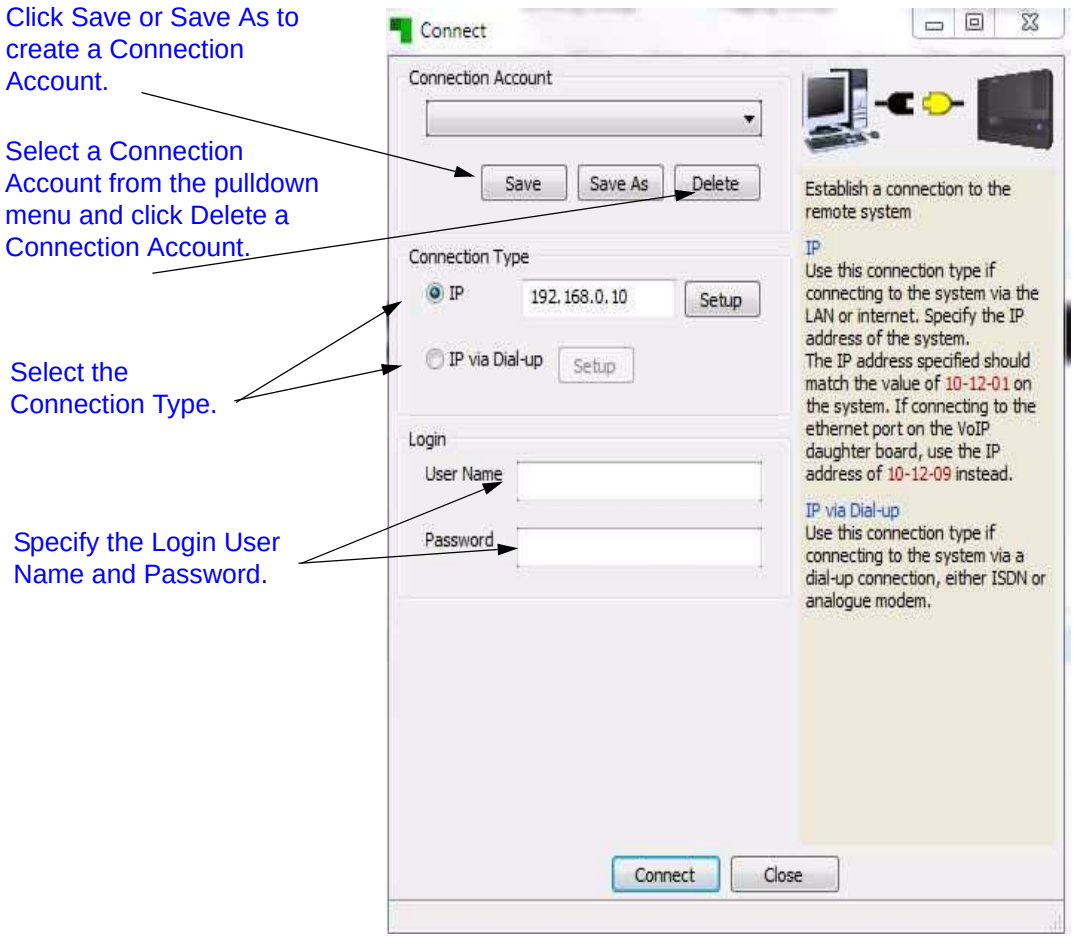


Figure D-1 Connect DialogCreating/Deleting Connection Account

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.)

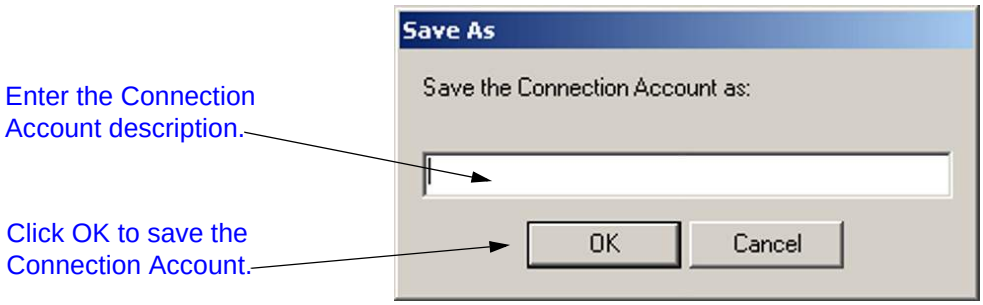


Figure D-2 Save As Connection Account Dialog

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.

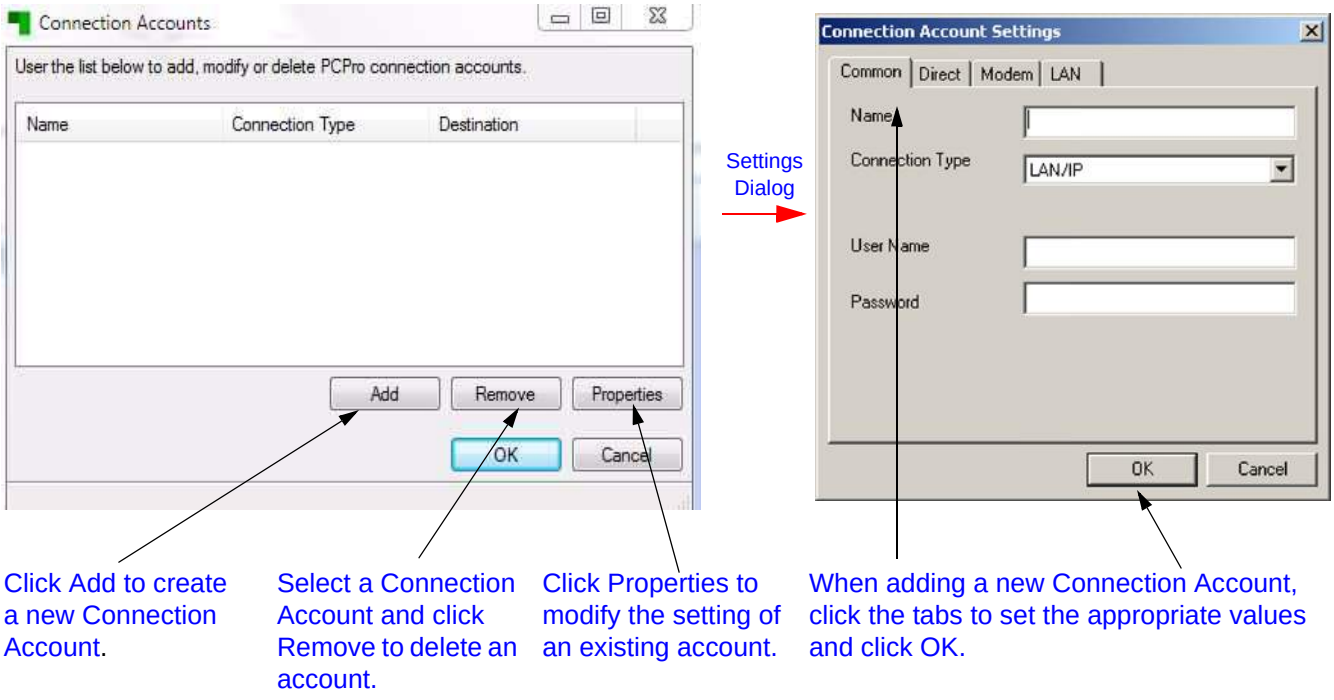


Figure D-3 Connection Account DialogCreating/Modifying/Deleting Connection Account

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.

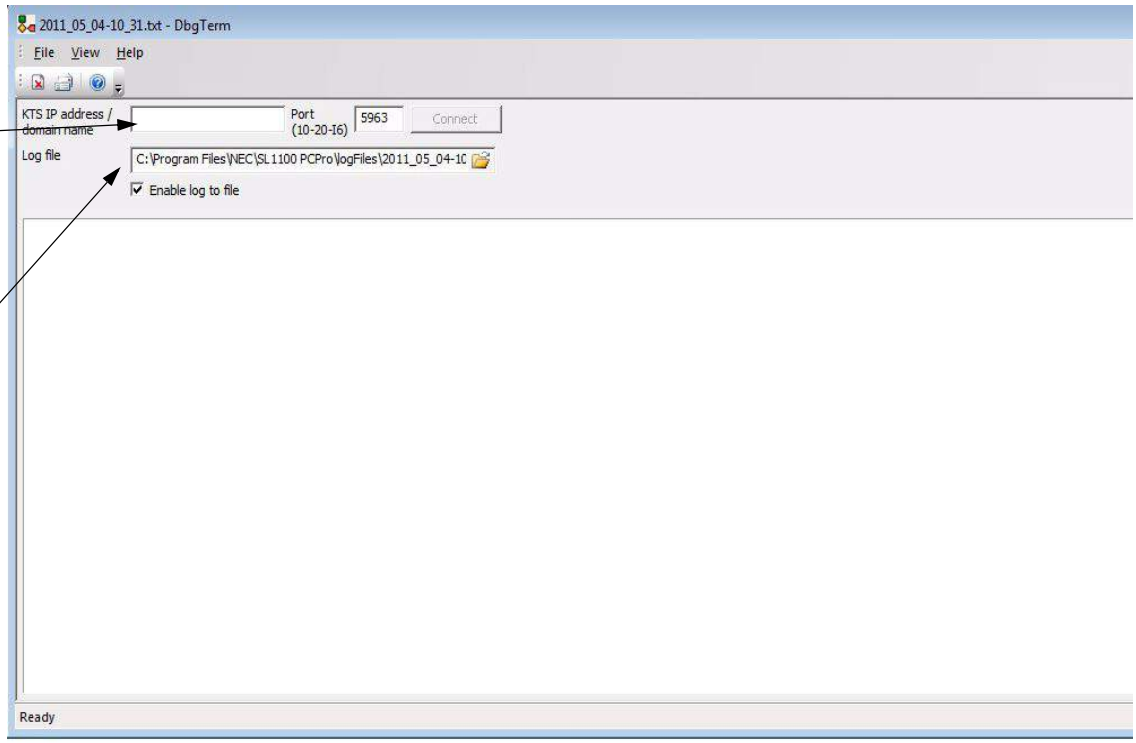


Figure E-1 Debug Terminal Dialogs

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.

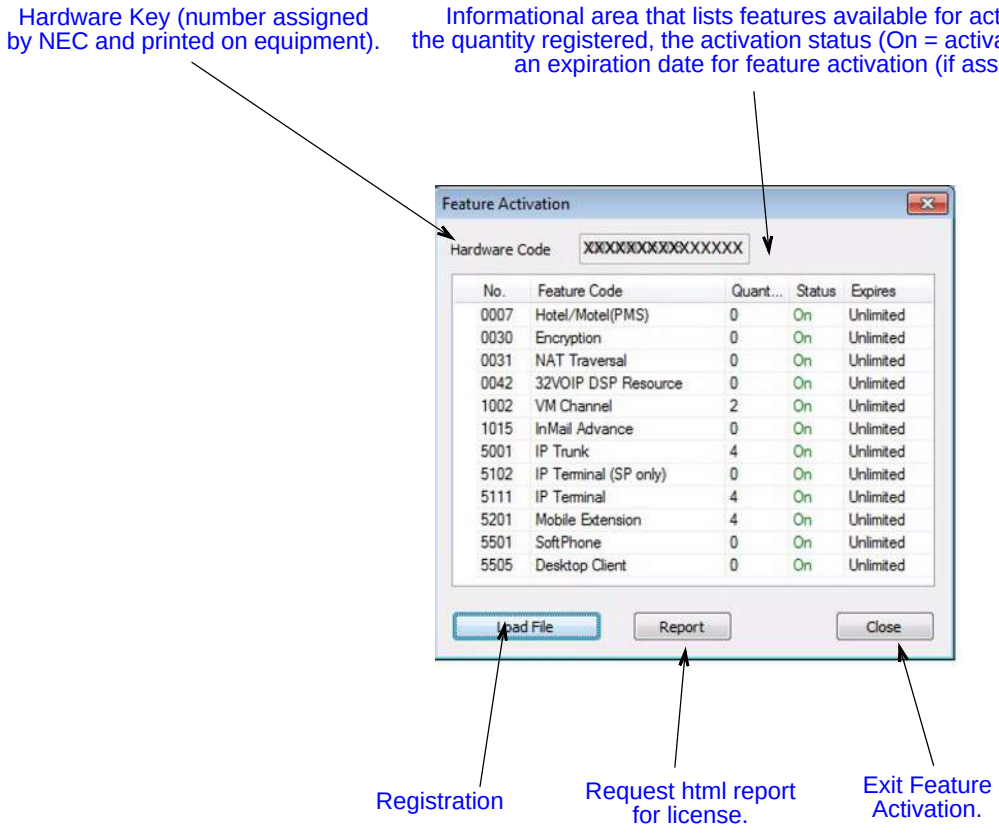


Figure F-1 PCPro Feature Activation Dialog

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.*

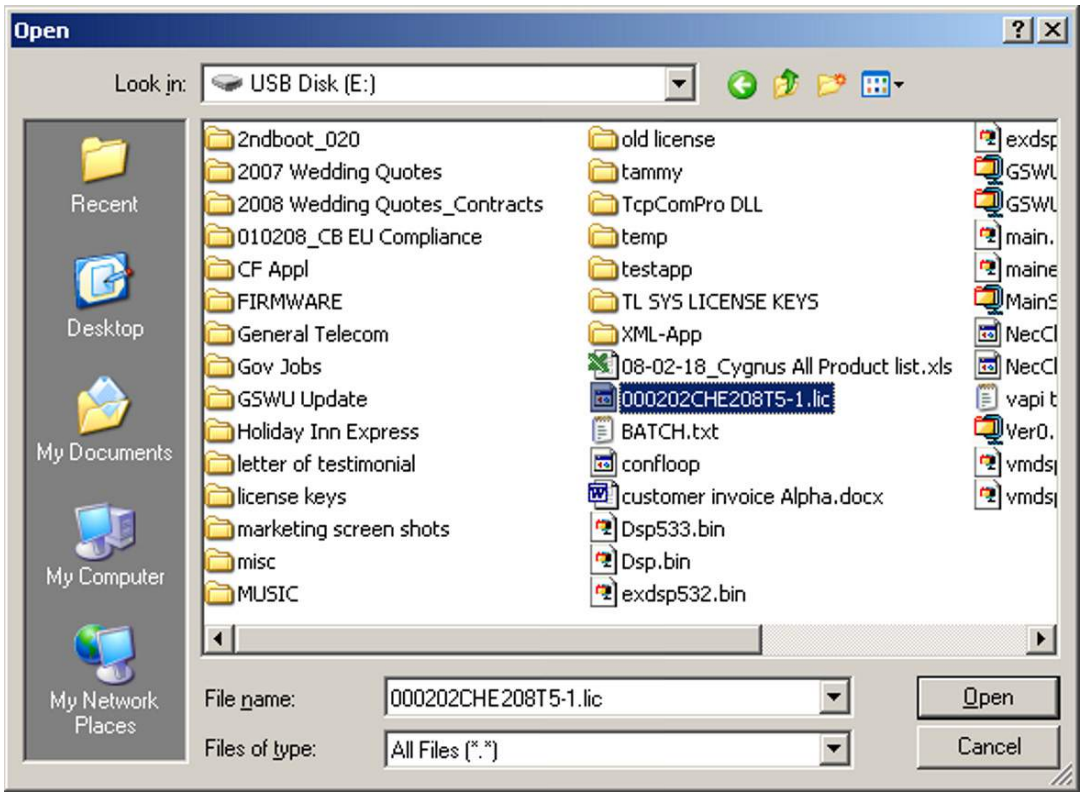


Figure F-2 Feature Activation Open File Dialog

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**.

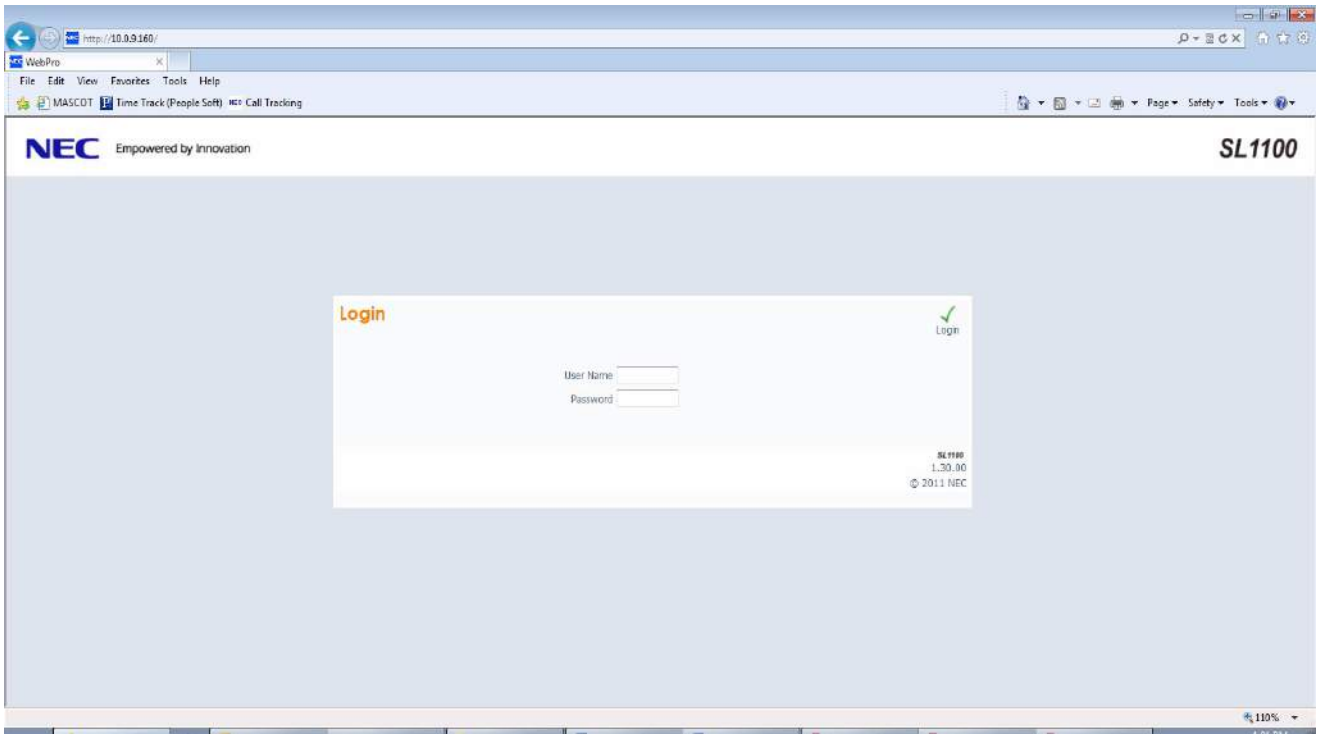


Figure F-3 WebPro Login Screen

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

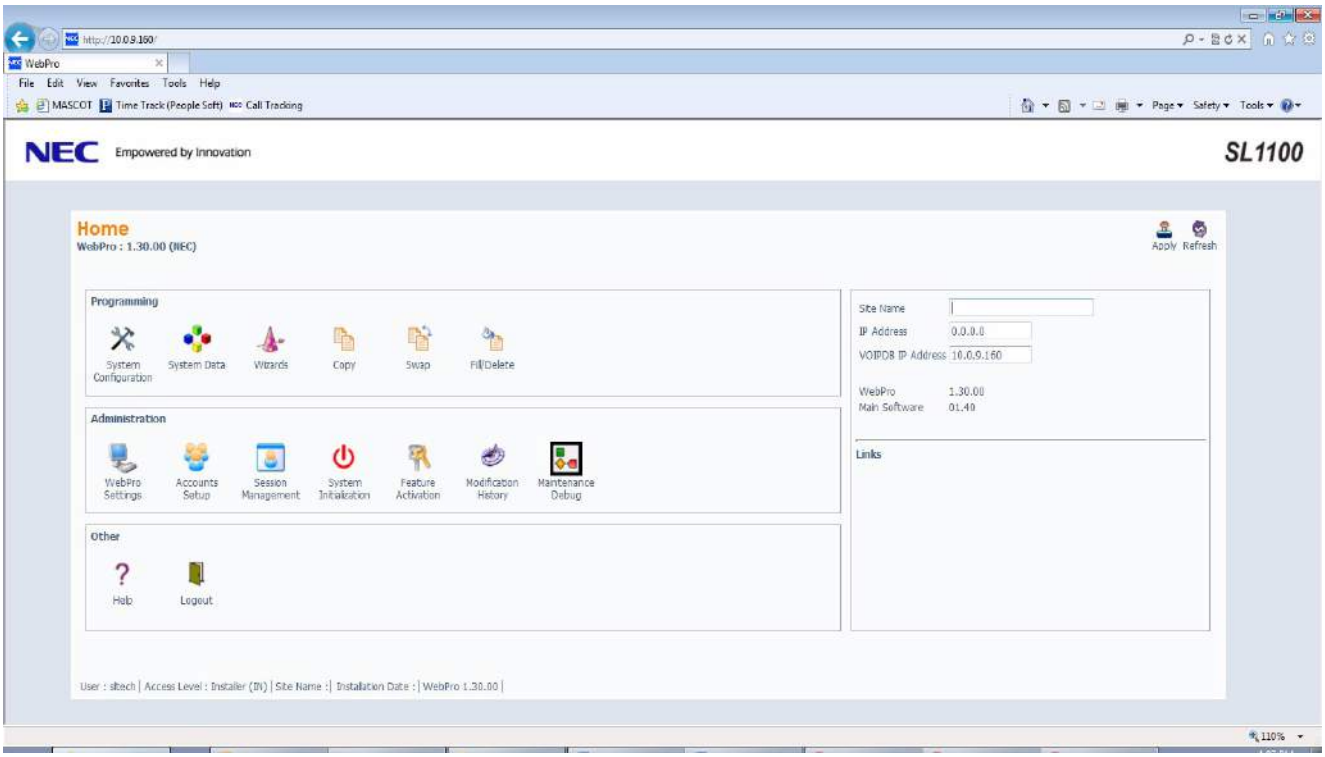


Figure F-4 Feature Activation Screen WebPro Home Page

4. The WebPro License Registration dialog is displayed.

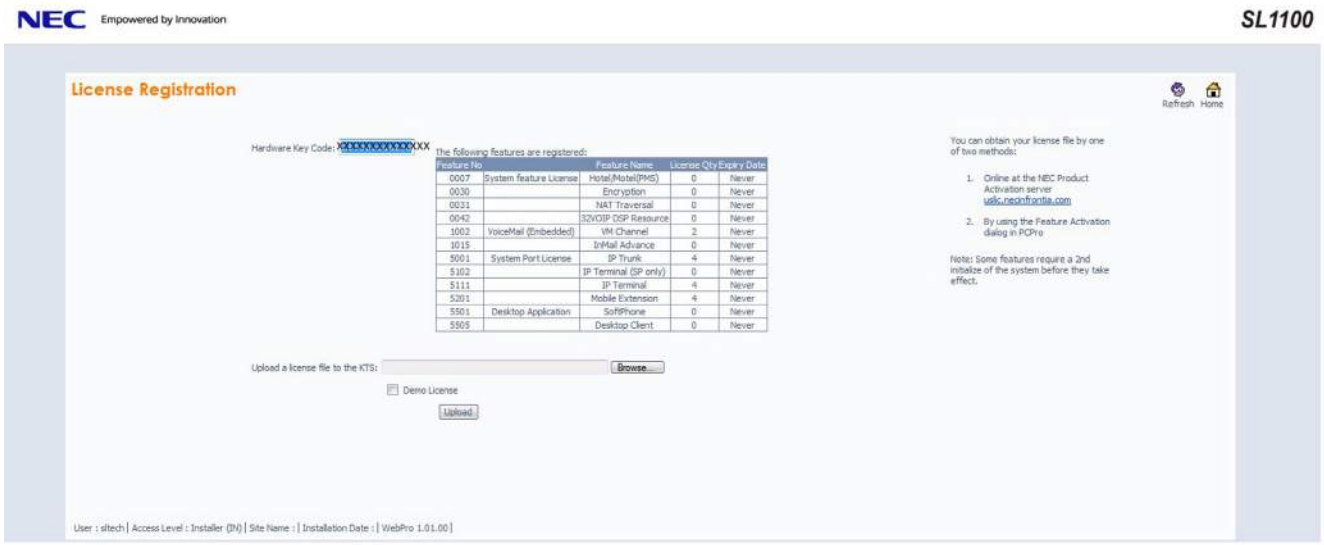


Figure F-5 Feature Activation Screen WebPro Manual Activation

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**.

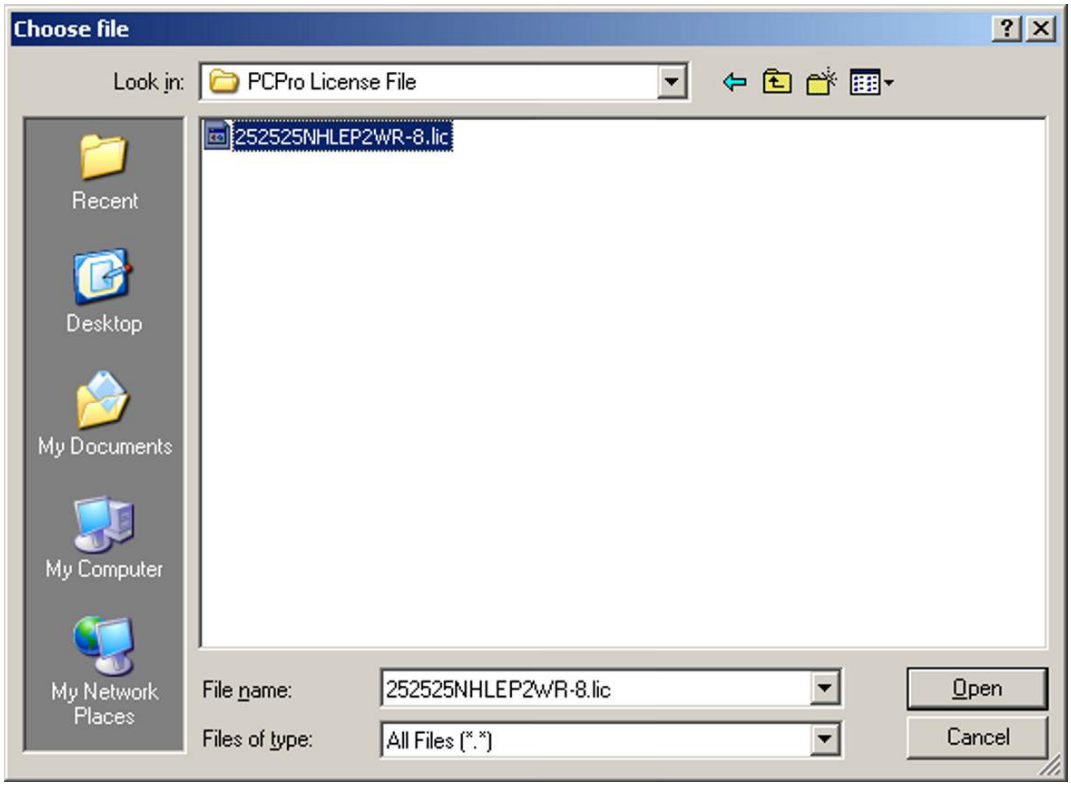


Figure F-6 Feature Activation Open File Dialog WebPro

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.

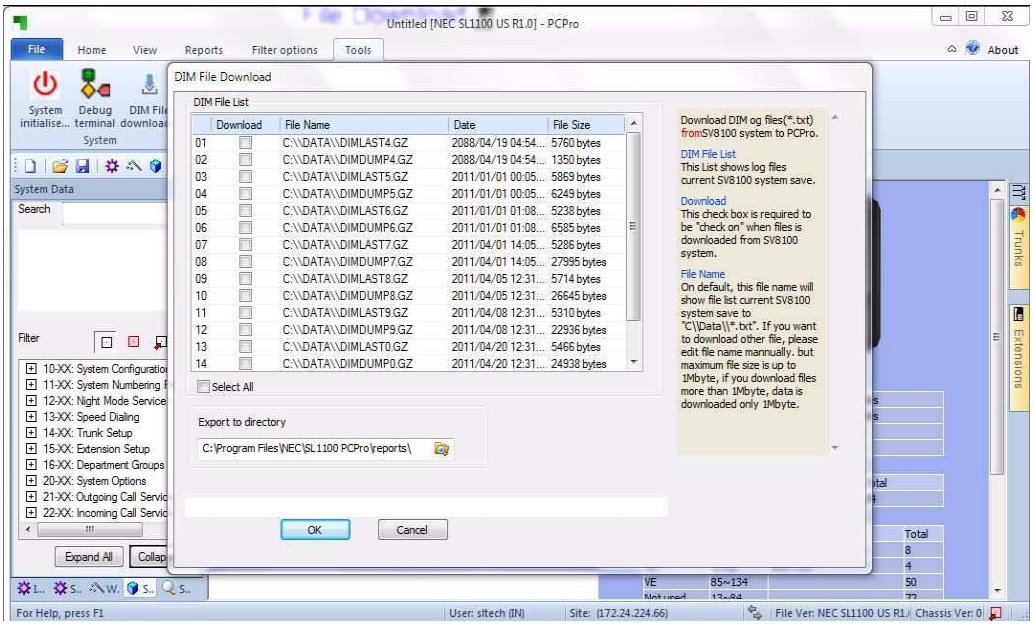


Figure G-1 DIM File Download

✎ *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"".

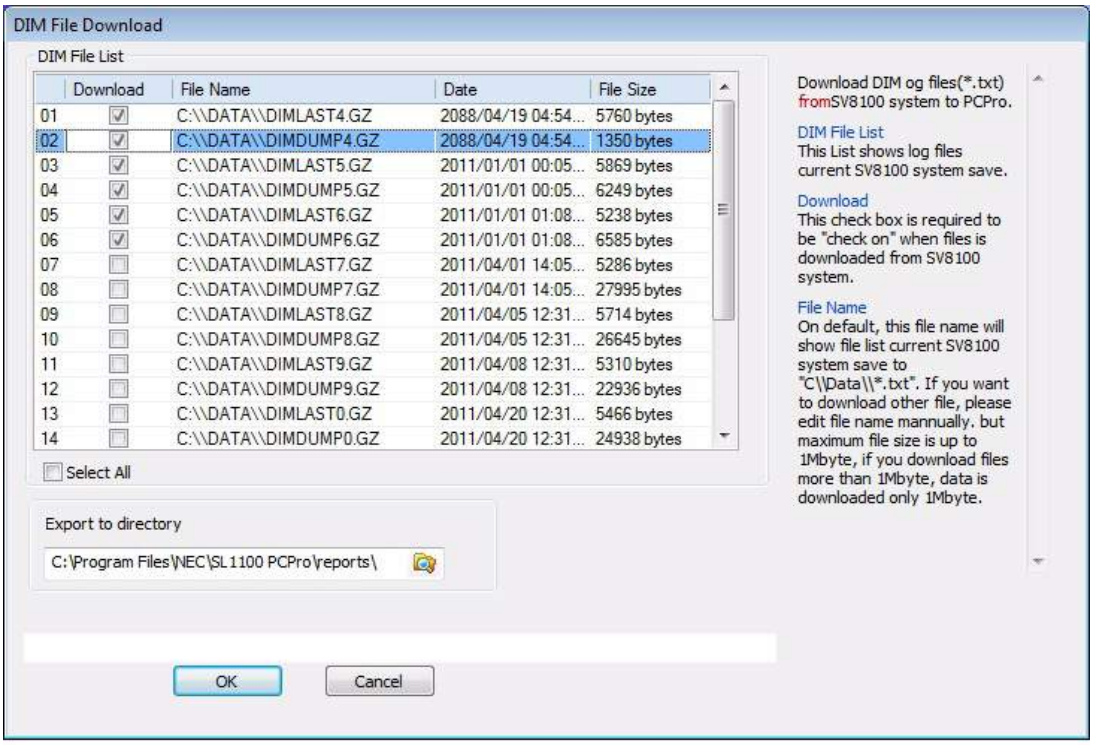


Figure G-2 DIM File Download Dialog Box

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.

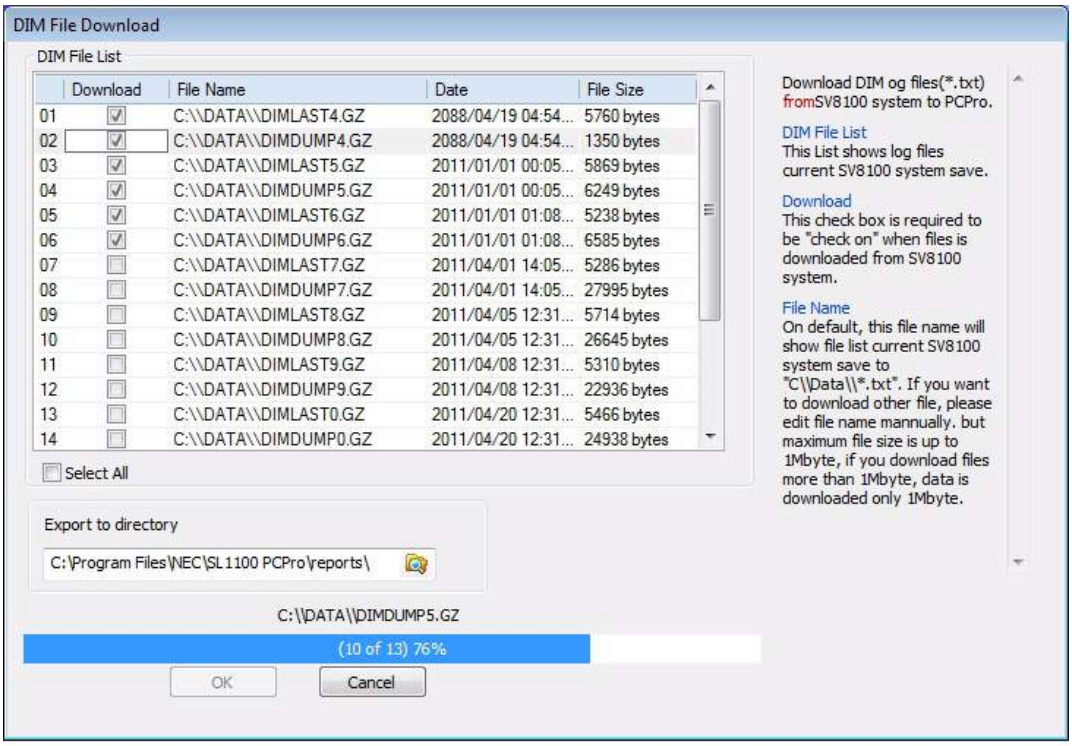


Figure G-3 DIM File Download Status

✎ *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 --

NEC Corporation of America
Issue 1.0