

UNIVERGE SV9300

PC Programming Manual

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INTRODUCTION

Purpose

This manual covers procedures of installing “SV9300 PC Programming” (hereinafter “PCPro”), as application tool for installing and servicing UNIVERGE SV9300 (hereinafter “SV9300”) and configuring its communication with the SV9300, along with helpful tips on configuring the system office data.

This manual is intended for use as PCPro online help. Click the [Help] button or [F1] key on the Main Menu to browse through this manual.

Outline of This Manual

This manual consists of nine chapters and four appendixes. The following paragraphs summarize chapters 1 through 9 and Appendixes A, B, C and D.

- CHAPTER 1 **PCPro Overview**
Provides introductory information about PCPro and proceeds to describe its system configuration, operating environment, working conditions and more.

- CHAPTER 2 **Setting Up the PCPro**
Explains how to connect the SV9300 and PCPro, how to install, launch and exit the application, establish a communication link between the SV9300 and the PCPro.

- CHAPTER 3 **PCPro Window Layout**
Explains the PCPro window layout, submenus on the screen and the function of the work window, etc.

- CHAPTER 4 **Standard Mode**
Explains the functions that can be configured in Standard Mode and how to operate them.

- CHAPTER 5 **Wizard Mode**
Explains the functions that can be configured in Wizard Mode and how to operate them.

- CHAPTER 6 **System Data Mode**
Explains how to use System Data Mode.

- CHAPTER 7 **Command Mode**
Explains how to use Command Mode and the operational screens.

- CHAPTER 8 **Reporting**
Explains how to view fault information, system configuration information, the check result of the system, the result of read system data and a log of system data upgrades stored on the SV9300 from PCPro in a report format.

CHAPTER 9 Settings

Explains how to configure PCPro to communicate between the SV9300 and PCPro, set System Data Off-line Readout/Edit, and use the NEC System Data Conversion Tool and configure the environment.

NOTE: *In this manual, “Virtual PBX” is designated as the system data file when using System Data Off-line Readout/Edit.*

APPENDIX A Main Menu and Toolbar Correspondence

List of menu bar functions, toolbar functions and the associated shortcut keys.

APPENDIX B List Command

Provides lists of the List Commands and explains how to use the List Commands.

APPENDIX C PCPro Maintenance Interface

Explains the PCPro Maintenance Interface (PMI) features and how to use the PMI.

APPENDIX D Troubleshooting

Explains the probable reasons for failure as they occur and the remedial actions.

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PCPro Overview

This chapter provides overview of PCPro and PCPro's system condition.

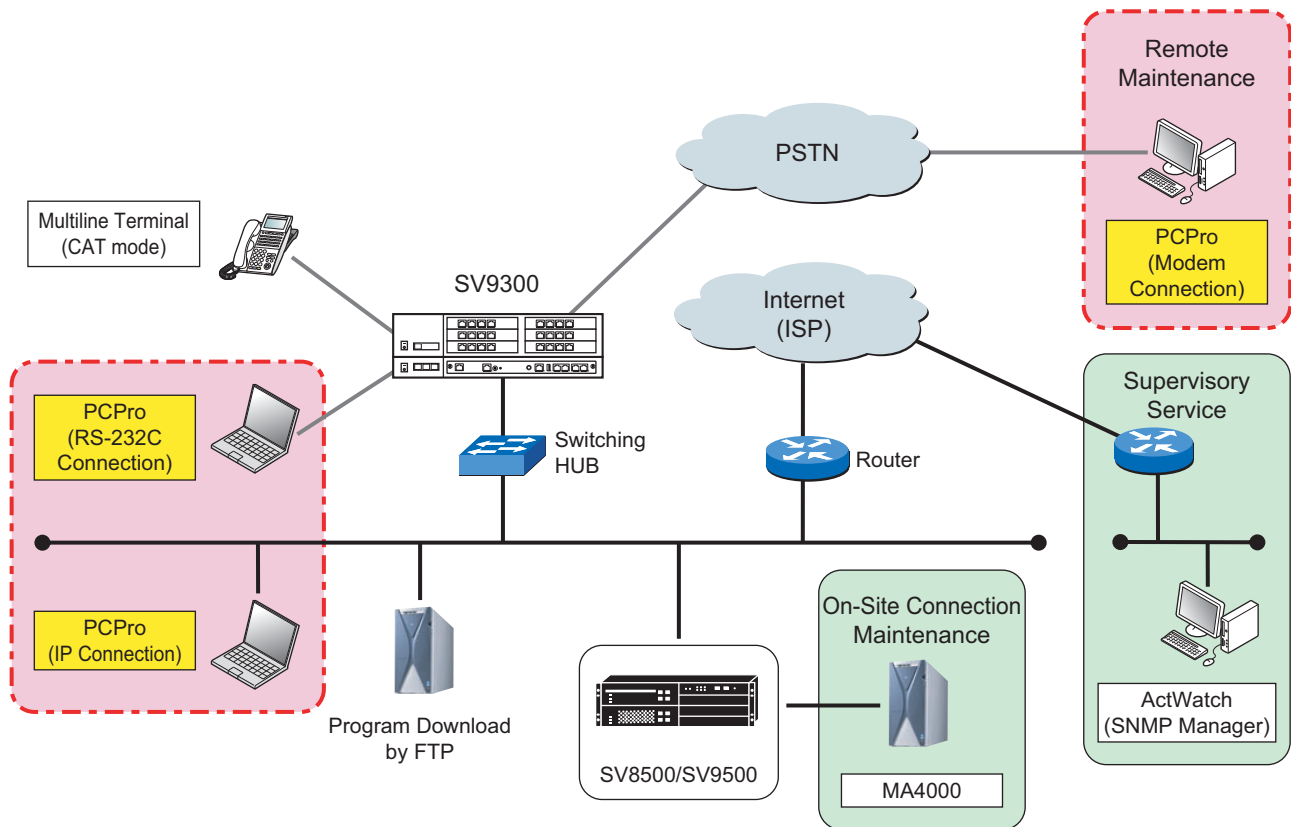
- What is PCPro?
- Operating Environments and Conditions

What Is PCPro?

PCPro is an application tool that installs and services the SV9300 system. PCPro supports four modes of operation designed to simplify the work of initially setting up the system (system data registration):

- **Standard Mode** : This mode is suited for completing complex of setup.
 - Streamlines the complexities of setup and verification work.
 - Achieves functionality beyond reach of command entry.
 - Displays the status of blade mounted on the SV9300 and fault information in an easy-to-view format.
 - Minimum operation needed to enter massive data simultaneously.
- **Wizard Mode** : This mode provides screens, which are the equivalent of system data settings of the Programming Manual.
 - By entering system data in order according to the screen, settings of the service feature will be completed.
 - Because supplemental remarks of the system data and recommended value to implement the service are displayed on the screen, the system data for the service can be set easily.
- **System Data Mode** : Suited for proceeding with setup work while verifying command details.
- **Command Mode** : Suited for quick entry on the command line for expert.

The general configuration of SV9300 maintenance activity and the position of PCPro are illustrated below.



Operating Environments and Conditions

■ Operating Environment of PC

<Common Operating Environment>

Item	Specification
Recommended CPU	<ul style="list-style-type: none"> Refer to <OS-Specific Operating Environments> ☞ Page 1-4
Hard disk	<ul style="list-style-type: none"> 1GB of free disk space minimum
Monitor	<ul style="list-style-type: none"> 1,024 × 768 dots or more, 16-bit colors (65,536) at least
CD-ROM drive	<ul style="list-style-type: none"> Required to install the program.
Hardware connection to the Main Unit	<ul style="list-style-type: none"> IP connection / RS-232C direct connection / Modem Connection
Mouse	<ul style="list-style-type: none"> Mouse, or equivalent pointing device

<OS-Specific Operating Environments>

Item		Minimum Specification	Recommended Specification
Windows 8.1 • Windows 8.1 Pro • Windows 8.1 Enterprise * Including Windows 8.1 Update.	CPU	• Processor (1 GHz) or higher	
	RAM	• 1 GB minimum	• 4 GB minimum
Windows 8.1 (x64) • Windows 8.1 Pro • Windows 8.1 Enterprise * Including Windows 8.1 Update.	CPU	• Processor (1 GHz) or higher	
	RAM	• 2 GB minimum	• 4 GB minimum

Continued on next page

<OS-Specific Operating Environments>

Item		Minimum Specification	Recommended Specification
Windows 10 (x86) • Windows 10 Home • Windows 10 Pro • Windows 10 Enterprise	CPU	• Processor (1 GHz) or higher , or SoC	
	RAM	• 1 GB minimum	• 2 GB minimum
Windows 10 (x64) • Windows 10 Home • Windows 10 Pro • Windows 10 Enterprise	CPU	• Processor (1 GHz) or higher , or SoC	
	RAM	• 2 GB minimum	• 4 GB minimum
Microsoft Windows Server 2012 (x64)	CPU	• Pentium4 processor equivalent (1.4 GHz) or higher	
	RAM	• 512 MB minimum	• 4 GB minimum
Microsoft Windows Server 2016 (x64)	CPU	• Pentium4 processor equivalent (1.4 GHz) or higher	
	RAM	• 512 MB minimum	• 4 GB minimum
Microsoft Windows Server 2019 (x64)	CPU	• Pentium4 processor equivalent (1.4 GHz) or higher	
	RAM	• 512 MB minimum	• 4 GB minimum

NOTE: *Windows 8.1 and Windows 10 support only a Desktop Mode.*

<Required Software>

Item	Specification
Microsoft Excel 2010 or later	Excel is used to create maintenance reports or script files.

NOTE 1: *Install the latest release of service pack for the OS, or necessary software to be used. In addition, install the security patches and the virus scan program.*

NOTE 2: *The abnormal conditions of PCPro caused by Windows malfunction are subject to the indemnity. Therefore, it is recommended to apply the security patches on a regular basis.*

■ Operating Conditions

- Internet access is required to connect to the Software License Authentication Center (Web Server).
- Before using PCPro, please confirm that the date and time of your PC are correctly set.
- PBX that can be connected to SV9300 PCPro is only UNIVERGE SV9300. It is not possible to connect to other devices.
- SV9300 PCPro and SV8300 PCPro can be installed in a same PC. When you install the both software in a same PC, specify the installation folder respectively (different folders are set by default).
- To use PCPro, Microsoft .NET Framework 4.5.2 (hereafter .NET Framework 4.5.2) must be installed to your PC. If .NET Framework in your PC is older than .NET Framework 4.5.2, the installer of PCPro automatically installs .NET Framework 4.5.2 in your PC.
- To install .NET Framework 4.5.2, the following amount of free space on HDD is required depending on the OS currently used is 32 bit OS or 64 bit OS.

.NET Framework	Amount of Free Space on HDD	
	32 bit OS	64 bit OS
.NET Framework 4.5.2	850 MB	2.0 GB

- If .NET Framework 4.5.2 is accidentally uninstalled, or not properly installed for some reason, PCPro does not launch.
 - * In this case, install .NET Framework 4.5.2 from a CD of PCPro.
- If .NET Framework 4.5.2 is not properly installed, an error message will appear at the start up of PCPro. Install .NET Framework 4.5.2 again.
- It takes about twenty minutes to install .NET Framework 4.5.2.
 - * The time required for .NET Framework 4.5.2 installation differs depending on the PC specification. For details, refer to the web page of Microsoft.
- Depending on the PC environment currently used, applying security patches is required after the installation of .NET Framework 4.5.2. For details, refer to the web page of Microsoft Windows Update.
- Adobe Reader must be installed to view the PC Programming Manual from PCPro as help information.
- A phenomenon such as the missing of characters may occur depending on the type of PC and setting conditions of installed OS/applications. In such cases, use the PC with Classic mode.
- Program Upgrade (On-line/Off-line) may not work correctly if any functionality of FTP is controlled by a virus check program or the like. Be sure to disable such control beforehand.
- There are the following constrains when launching PCPro from RMA.
 - Connectable only to the office selected by RMA.
 - [Tools] > [Connection Account...] of the Main Menu is not available.

- To use HTTP server functions requires any of the following OS:
 - Windows 8.1
 - Windows 10
 - Windows Server 2012
 - Windows Server 2016
 - Windows Server 2019

NOTE: *Be sure to use the OS with the recommended specifications and environment. For the details, refer to [<OS-Specific Operating Environments>](#).*

- PCPro uses the following functions. Set the following functions by a Microsoft browser.
 - Play animations in web pages
 - Show pictures
 - Run scripts in web pages

The details of the setting method are as follows.

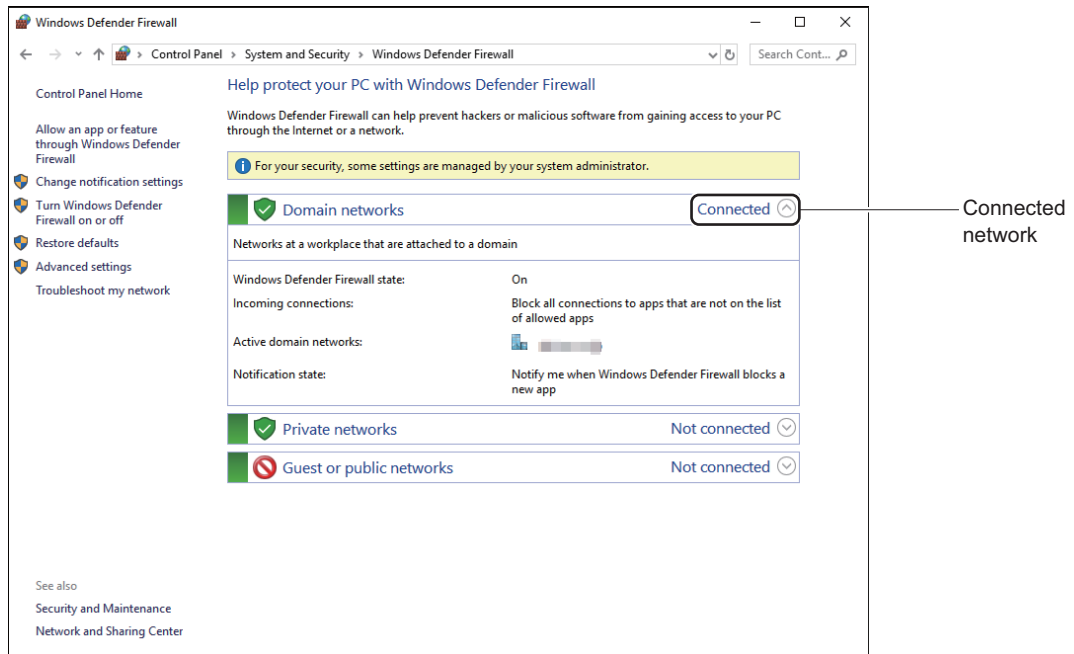
- Select the [Control Panel] > [Internet Options] > [Advance] tab in this order and enable the following functions.
 - Play animations
 - Show pictures
- Select the [Control Panel] > [Internet Options] > [Security] > tab in this order, then click the Custom Level button, and enable the following functions.
 - Active scripting
- The FTP/HTTP server facility of PCPro may not work correctly as it is blocked by the Windows Firewall. In this case, Windows Firewall override instructions are below:

<Overriding the Widows Defender Firewall in the [Windows Security Alert] screen>

If the [Windows Security Alert] screen appears while running, click [Allow access].

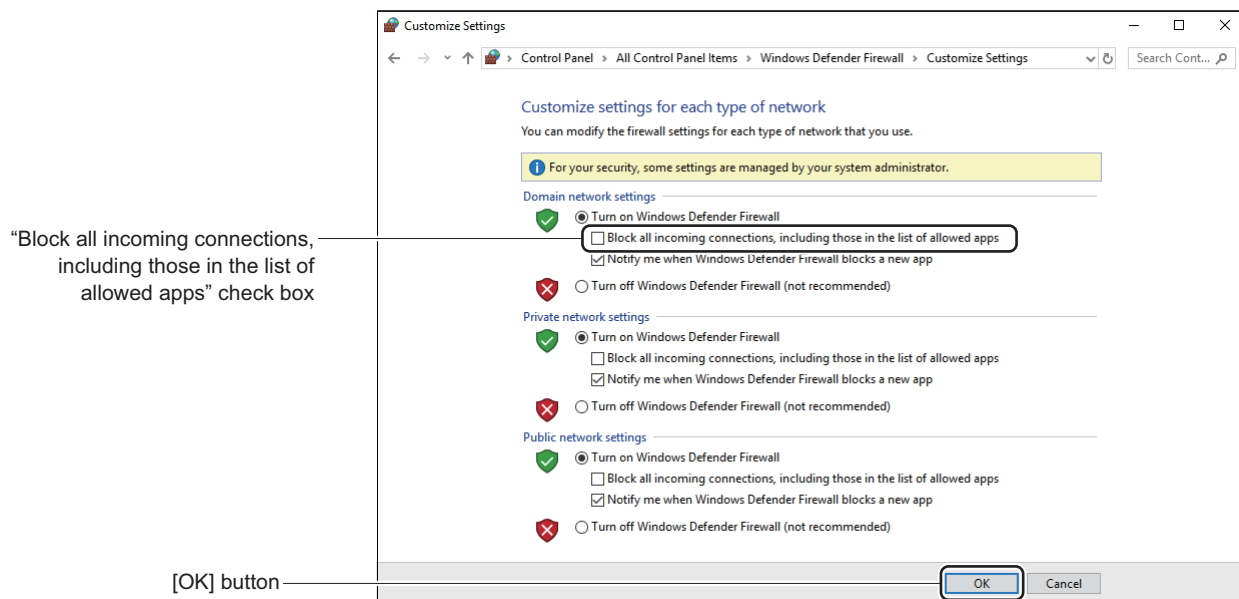
<Overriding the Widows Defender Firewall in the [Windows Firewall] setup screen>

- (1) On the Windows, click [Start]> [Windows System] > [Control Panel] > [System and Security] > [Windows Defender Firewall] in order to display the [Windows Defender Firewall] screen and confirm the connected network.
* The following is the case which is connected to the Domain networks.



- (2) Click [Turn Windows Defender Firewall on or off] to display the [Customize Settings] screen.

- (3) Uncheck the “Block all incoming connections, including those on the list of allowed apps” check box of the setting for connected network checked by Step (1), then click the [OK] button.



The [Windows Defender Firewalls] screen is displayed.

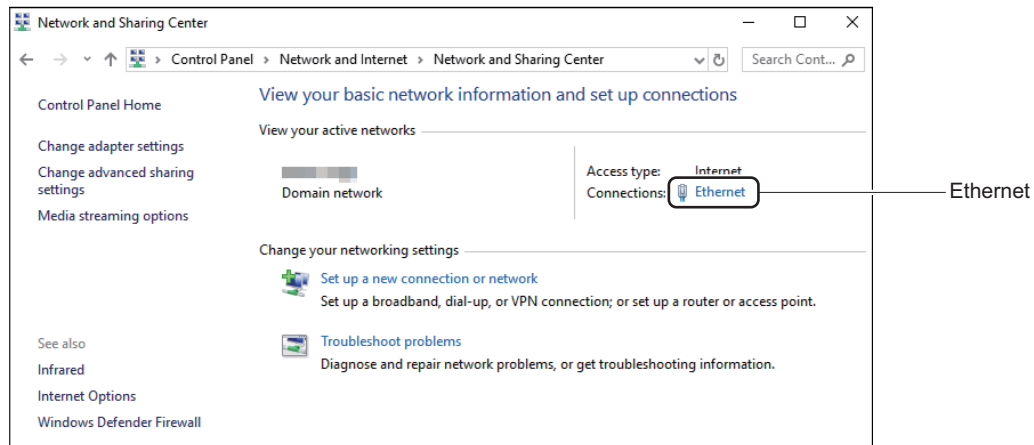
- (4) Click the [Allow an app or feature through Windows Defender Firewall] to display the [Allowed Apps] screen.
 - (5) Select “PCPro FTP Server” (or MatFtps.exe) or “PCPro HTTP Server” (or HttpServer.exe) from the “Allowed apps and features:”, then click the [OK] button.
 - * If “PCPro FTP Server” or “PCPro HTTP Server” is not found on the list, click [Allow another app...] and then click the [Browse...] button to select MatFtps.exe or HttpServer.exe.
- When providing the IP connection, enable the “Internet Protocol Version 4 (TCP/IPv4)” by the network settings of PC.

<Enabling Internet Protocol Version 4 (TCP/IPv4) setup>

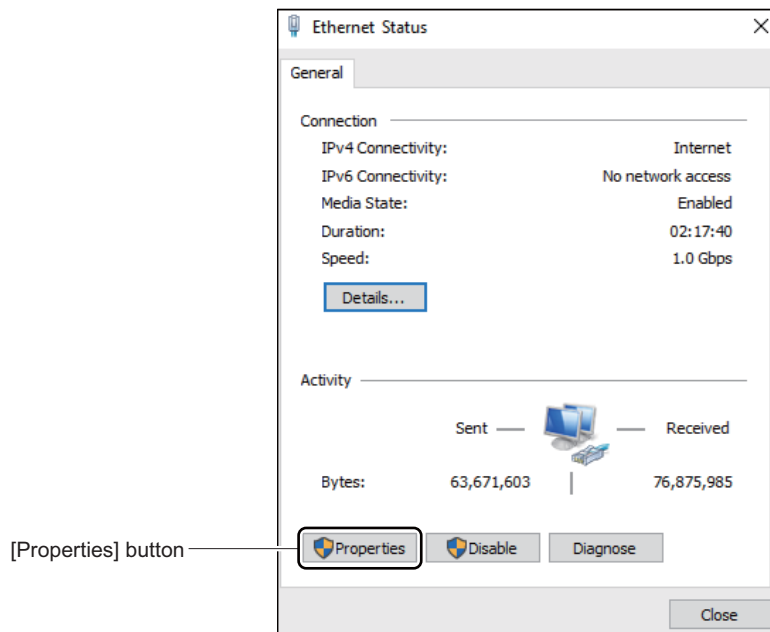
- (1) Click [Start]> [Windows System] > [Control Panel] in order.
- (2) Click the “View network status and tasks” in the [Control Panel] screen.

The [Network and Sharing Center] screen is displayed.

- (3) Click the “Ethernet”* in the [Network and Sharing Center] screen.
* If several networks exist, a different name such as “Ethernet 2” may be displayed.

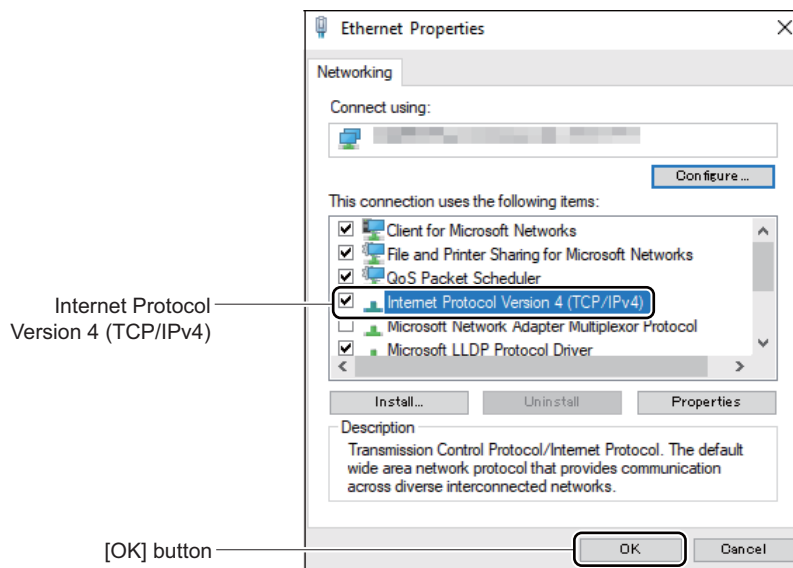


- The [Ethernet Status] screen is displayed.
(4) Click the [Properties] button in the [Ethernet Status] screen.



The [Ethernet Properties] screen is displayed.

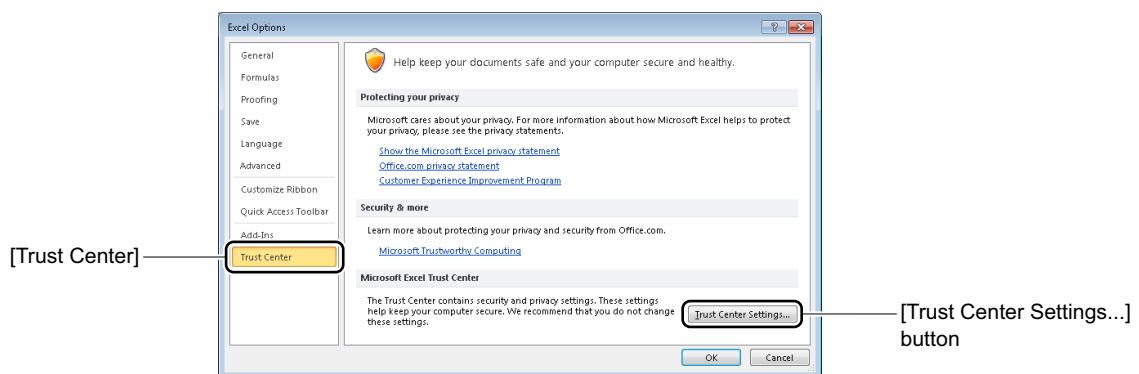
- (5) Check the “Internet Protocol Version 4 (TCP/IPv4)” in the [Ethernet Properties] screen, then click the [OK] button.



- To create the maintenance report and Terminal Phonebook, it is necessary for Excel to make the macro settings effective. To make the macro settings effective for Excel, do the following settings using an example of Excel 2010.

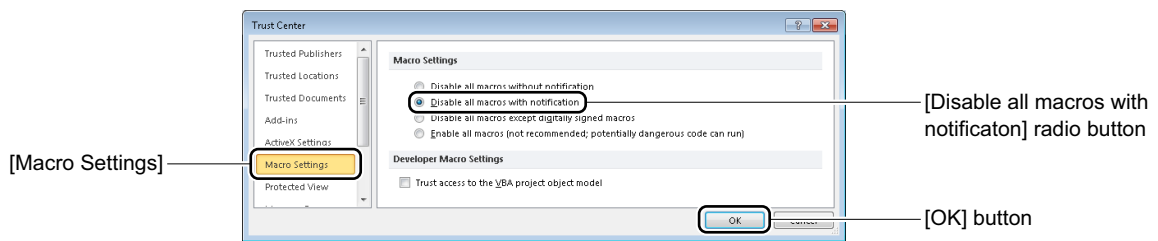
<Enabling Macro in Excel>

- (1) Launch Excel 2010.
- (2) Click the [Option] from the [File] menu.
The [Excel Options] screen is displayed.
- (3) On the [Excel Options] screen, click [Trust Center] > [Trust Center Settings...] button in this order.



The [Trust Center] screen is displayed.

- (4) On the [Trust Center] screen, click [Macro Settings] > [Disable all macros with notification] radio button in this order.



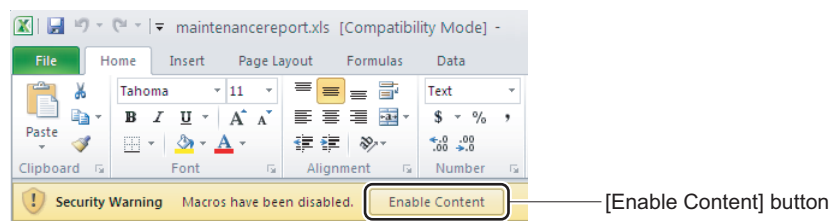
- (5) Click the [OK] button.

The macro settings in Excel has now been completed.

NOTE: *Handling of Alert Messages*

When the alert message is displayed by the macro settings in Excel, do the following operations using an example of Excel 2010.

1. Click the [Enable Content] button of the “**Security Warning** Macros have been disabled.” displayed on the message bar.



Setting Up PCPro

This chapter explains how to set up and launch PCPro.

- Installing PCPro
- PCPro Folder Configuration
- Launching PCPro
- Connecting PCPro to the SV9300
- Communication Link with the SV9300
- System Data Backup
- Copy System Data to Remote Units
- Exiting PCPro
- Uninstalling PCPro

Installing PCPro

PCPro can be installed in following steps:

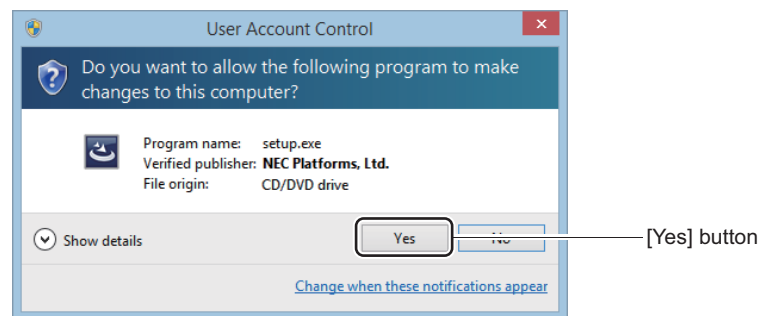
NOTE: *Install PCPro by a user who has administrator authority of Windows.*

STEP1: Mount the PCPro CD-ROM on the CD/DVD-ROM drive on the PC running Windows operating system.

STEP2: Double click the Setup.exe included in the installation CD.

The [Welcome] dialog box is displayed when double clicking the Setup.exe.

NOTE: *When the PCPro installer launches, it displays the dialog box shown below. Click the [Yes] button to continue with the installation.*



STEP3: Proceed as directed by onscreen guidance.

STEP4: Click the [Yes] button.

A shortcut icon for PCPro is created in the Desktop on your PC.

PCPro has now been installed.

PCPro Folder Configuration

The table below lists the files that are created in the folders specified by the user when PCPro was installed.

Created File/Folder	Description
Executable files (*.exe, *.dll)	Program files
ftproot	(Default) root folder of the SV9300 PCPro built-in FTP server * This folder is generated when PCPro launches.
httproot	(Default) root folder of the SV9300 PCPro built-in HTTP server * This folder is generated when PCPro launches.
reports	Report file folder (system report, Fault Display report and more) * This folder is generated when PCPro launches.
logfiles	System communication log folder (trace results, MP-FP command output results, and more) * This folder is generated when PCPro launches.
pbxfiles	File folder created by the program (which contains a software authentication PBX creation file, system data files created by Quick Setup, SLV verification logs and so on). * This folder is generated when PCPro launches.
sample	Sample files folder * The following sample files are automatically generated. <ul style="list-style-type: none"> • A Directory data file (Excel) • Script/scenario files • PMI files • A root certificate file of the HTTP server
database	Data base folder used by the program
help	A help file for PCPro
html	
images	
maintenancereport	System data change history data files for maintenance reports
userdb	
conversion	A programming and a data base folder for system data conversion tool

Launching PCPro

To launch PCPro, follow these steps:

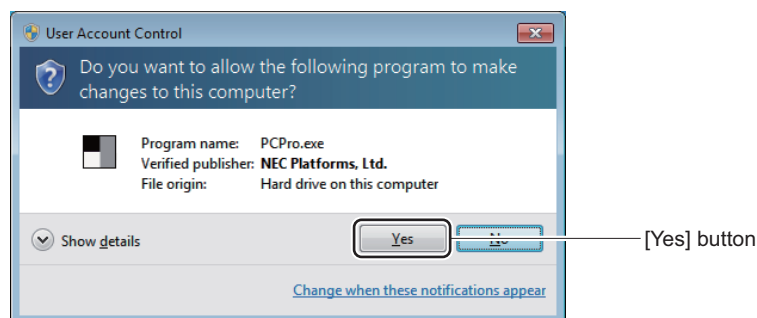
NOTE: *After installing PCPro, launch PCPro by a user who has administrator authority of Windows because of the privilege settings.*

STEP1: Launch PCPro in any of the following operations:

- Double-click the PCPro icon in the Desktop.
- Choose [Start] > [NEC SV9300 PCPro] > [NEC SV9300 PCPro] in Windows OS.

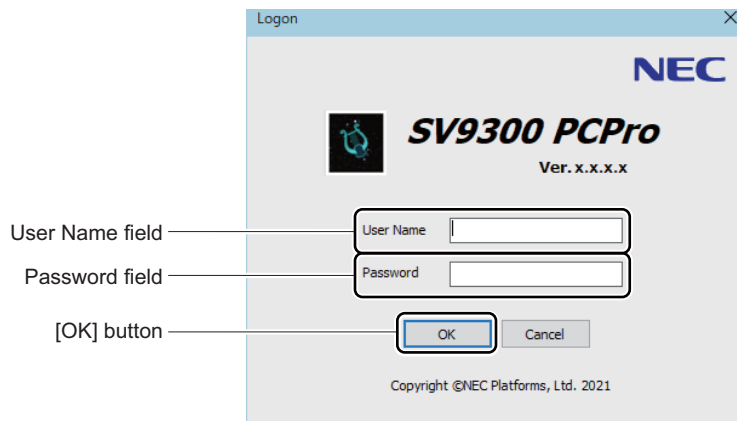
The [Logon] dialog box is displayed.

NOTE: *When the PCPro launches, it displays the dialog box shown below. Click the [Yes] button to continue with the launching.*



STEP2: Type the User Name and Password and then click the [OK] button.

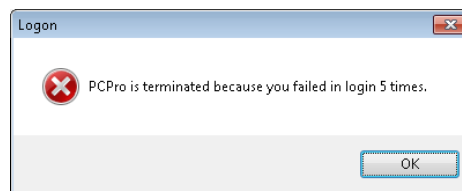
If a login password is default, or does not meet the password setting conditions, the [Change Password] screen is displayed. For information about the User Name, the Password defaults, see “*The Kinds of PCPro Account*”. [☞ Page 9-10](#) For information about changing your password, see “*Changing Password of PCPro Account*”. [☞ Page 9-12](#)



If a password change is not required, click the [OK] button. you can log in to the PCPro when the password is authenticated to the system.

NOTE 1: For setting up PCPro, log in to PCPro with an admin account. In other cases, you can use a manager account for end users management. For details of PCPro account, see “*The Kinds of PCPro Account*.” [☞ Page 9-10](#)

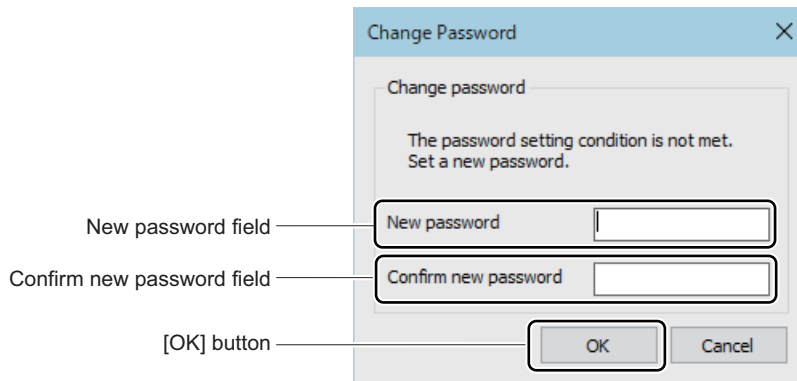
NOTE 2: If you fail to log in five times, the following Dialog box appears and terminates PCPro. Also, a log for the login failure is output to the “*pcpro.log*”.



STEP3: To prevent the unauthorized access, change the password. Enter the new password in the New password field and the Confirm new password field.

For details of a password change, see “Changing Password of PCPro Account”.

[Page 9-12](#)



NOTE: *The passwords that can be set for an “admin” account and a “manager” account are as follows.*

- *Input length: Eight or more digits (up to sixteen digits)*
- *Input characters: 0 to 9, A to Z, a to z*

Tips: ***Password Change in the Login Authentication***

The [Change Password] screen appears for the following cases.

- *When logged in for the first time after a PCPro installation*
- *After an upgrade of previous version’s PCPro, when logged in with the password that does not meet the setting conditions*

STEP4: Click the [OK] button.

The [PCPro] window is displayed.

PCPro has launched.

Connecting PCPro to the SV9300

Three ways are available for connecting the SV9300 to the PC (PCPro is installed). Choose one of these methods to suit your particular needs.

- IP Connection [Page 2-9](#)
- RS-232C Connection (Direct Connection) [Page 2-13](#)
- Modem Connection [Page 2-14](#)

NOTE 1: *Up to four instances of PCPro can be connected to the CPU blade with SV9300. The number of connections allowed per connection mode is as follows (When the remote unite is in survival mode, the PCPro can connect to the CPU of each unit.):*

- IP connection :Up to 2
- RS-232C connection (direct connection) :Up to 2 (on a modem connection, 1)
- Modem connection :1

* When connecting two or more PCPro, note that system data is overwritten if you set, change, or clear system data at the same time because SV9300 does not perform exclusive control.

* When PCPro is connected with Virtual PBX, the connection cannot be counted to the number of PCPro connected with the CPU blade with SV9300 because Virtual PBX is not actual.

NOTE 2: *A communication link can be established between the SV9300 and the PC (at a baud rate of 9600 bps) by default when PCPro launches for the first time. Once a communication link is in place, follow these steps to change the baud rate:*

- (1) Change the baud rate of the CPU with CM40 Y=08.
- (2) Change the setting to meet the baud rate of the CPU in the PCPro [Connection Account] screen. [Page 9-2](#)
- (3) Log off PCPro once, then log it on again.

NOTE 3: *By the PCPro IP connection to SV9300 using 9300V4 software or later, the overall communication speed of PCPro is improved approximately 10 times faster, and the processing time such as the System Data Save/Load/Verify menu and the System Check and Report menu is shortened. However, the processing time of the following menus is not shortened.*

- Program Upgrade (Off-line)
- Program Upgrade (On-line) (including Speech Synthesis Data Upgrade)
- Firmware Upgrade (Line/Trunk Blade)

Continued on next page

NOTE 4: *The communication speed between PCPro and SV9300 also changes by the network condition and the ability of PC side.*

The following table shows the comparison of processing time for the System Data Save/Load/Verify menu by this improvement.

Item	Processing Time for System Data Save/Load/Verify	
	9300V4 software or later	9300V3 STEP2 or before
Time for Saving System Data	Approx. 2 minutes	Approx. 25 minutes
Time for Loading System Data	Approx. 2 minutes	Approx. 25 minutes
Bandwidth to be used for System Data Save/Load/Verify	Approx. 1.2 Mbps	Approx. 80 kbps

* The above is the index in the idle state (in a state with no call).

NOTE 5: *The speed of displaying the User Web Portal pages is accelerated approximately 3 times.*

IP Connection

■ Hardware Requirements

Description		Quantity	Remarks
Required for the SV9300	LAN cable*	Up to 2	<When using ETHERNET port> <ul style="list-style-type: none"> • 10BASE-T/100BASE-TX LAN cable (STP category 5 [cross/straight cable])
			<When using VOIP port> <ul style="list-style-type: none"> • 10BASE-T/100BASE-TX LAN cable (STP category 5 [cross/straight cable]) or 1000BASE-T LAN cable (STP category 5e [cross/straight cable])
Required for the PC (PCPro)	LAN cable*	Up to 2	<ul style="list-style-type: none"> • 10BASE-T/100BASE-TX LAN cable (STP category 5 [cross/straight cable])
	PC*	Up to 2	<ul style="list-style-type: none"> • For the specifications of the PC required, see “Operating Environments and Conditions”. Page 1-4

* Customer purchases

■ Connection Method

NOTE 1: When providing the IP connection with the PCPro, enable the “Internet Protocol Version 4 (TCP/IPv4)” by the network settings of PC. For details of the setting method, refer to the <Enabling Internet Protocol Version 4 (TCP/IPv4) setup>. [📄 Page 1-9](#)

NOTE 2: To establish the IP connection with SV9300, a NIC driver of PC must be operated properly. Confirm that the NIC driver has been updated or re-installed, and the driver has been authenticated.

STEP1: Using PCPro (IP connection), set the following system data on the SV9300:

- Ethernet Port IP Address:
CM0B Y=0XX>00: aaa.bbb.ccc.ddd
(XX: 01-50 [Unit No.]) (aaa.bbb.ccc.ddd: IP Address Example: 10.20.30.100)
- Ethernet Port Subnet Mask:
CM0B Y=0XX>01: aaa.bbb.ccc.ddd
(XX: 01-50 [Unit No.]) (aaa.bbb.ccc.ddd: Subnet Mask Example: 255.255.255.0)
- Ethernet Port Default Gateway:
CM0B Y=0XX>02: aaa.bbb.ccc.ddd
(XX: 01-50 [Unit No.]) (aaa.bbb.ccc.ddd: Default Gateway Example: 10.20.30.1)
- VOIP Port IP Address:
CM0B Y=1XX>00: aaa.bbb.ccc.ddd
(XX: 01-50 [Unit No.]) (aaa.bbb.ccc.ddd: IP Address Example: 10.20.30.100)
- VOIP Port Subnet Mask:
CM0B Y=1XX>01: aaa.bbb.ccc.ddd
(XX: 01-50 [Unit No.]) (aaa.bbb.ccc.ddd: Subnet Mask Example: 255.255.255.0)
- VOIP Port Default Gateway:
CM0B Y=1XX>02: aaa.bbb.ccc.ddd
(XX: 01-50 [Unit No.]) (aaa.bbb.ccc.ddd: Default Gateway Example: 10.20.30.1)

NOTE 1: Ethernet and VOIP port IP addresses cannot be in the same subnet. Different subnets must be used for when assigning both the Ethernet and VOIP ports.

NOTE 2: There are the following conditions when setting the Default Gateway Address by this command.

- Only one Default Gateway Address can be set for each unit.
- Set the Default Gateway Address to the Maintenance port (Y=0XX) when not using VoIPDB.
- Set the Default Gateway Address to the VOIP port (Y=1XX) when using VoIPDB.

NOTE 3: Period (.) is required when an IP address, Subnet mask and Default gateway are assigned by CM0B (Example: 10.40.221.9).

Tips: *SV9300 IP Address*

When system data on the SV9300 is all cleared in an off-line state (SENSE switch of the CPU blade is set to “E”), or SV9300 is launched with standard system data, the following IP address and subnet mask are set as defaults: STEP1 can be bypassed as long as these IP addresses are used.

- When system data of SV9300 is all cleared or SV9300 is in an off-line state (SENSE switch of the CPU blade is set to “E”)

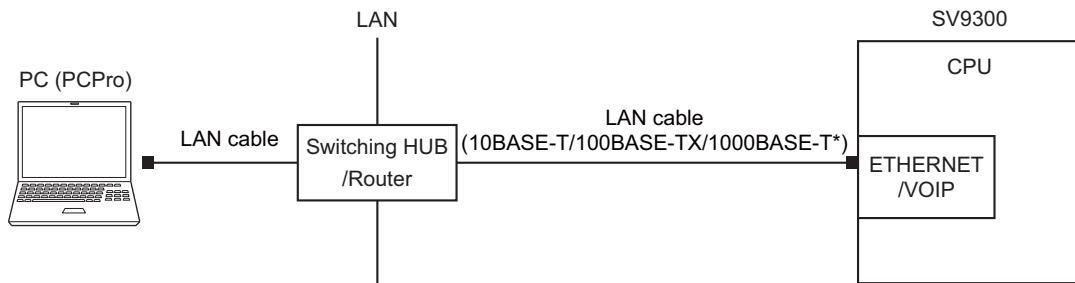
Item	ETHERNET Port	VOIP Port (TCP)
Communication speed	Auto negotiation	Auto negotiation
IP Address	Unit01-50: 192.168.1.1	No data
Subnet mask	255.255.255.0	
Default gateway	No data	
TCP port	60000	60000

- When SV9300 has launched with standard system data

Item	ETHERNET Port	VOIP Port (TCP)
Communication speed	Auto negotiation	Auto negotiation
IP address	Unit01: 192.168.1.1 Unit02: 192.168.1.2 Unit03: 192.168.1.3 Unit04: 192.168.1.4	Unit01: 172.16.1.1 Unit02: 172.16.2.1 Unit03: 172.16.3.1 Unit04: 172.16.4.1
Subnet mask	255.255.255.0	255.255.0.0
Default gateway	No data	No data
TCP port	60000	60000

STEP2: Connect LAN cable between the Ethernet port on the front of the CPU blade mounted in the SV9300 and the Switching HUB/Router.

STEP3: Connect LAN cable between the PC LAN port and the Switching HUB/Router.



* The communication by 1000BASE-T standard is available only when connecting to VOIP port. For the connection by 1000BASE-T standard, please use the STP cable higher than Cat5e standard.

RS-232C Connection (Direct Connection)

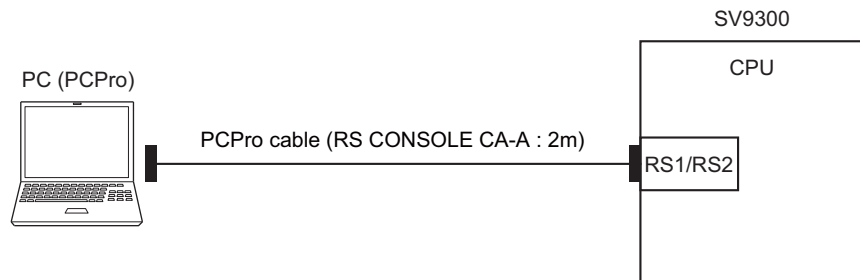
■ Hardware Requirements

Description	Quantity	Remarks
PC*	Up to 2	• For the specifications of the PC required, see “Operating Environments and Conditions”. Page 1-4
PCPro cable	Up to 2	• RS CONSOLE CA-A

* Customer purchases

■ Connection Method

STEP1: Interconnect the RS1/RS2 port on the front of the CPU blade mounted in the SV9300 and the RS-232C port on the PC with the PCPro cable.



STEP2: Launch PCPro and configure its connectivity with the SV9300 in the [Connection Account] screen.

For more details, see “Communication Link with the SV9300”. [Page 2-16](#)

Modem Connection

■ Hardware Requirements

Description		Quantity	Remarks
Required for the SV9300	COT/PRI/BRI blade	1	• Used to interface the SV9300 to a public network.
Required for the remote unit	PC*	1 unit	• For the specifications of the PC required, see “Operating Environments and Conditions”. Page 1-4
	Modem*	1 unit	• Modem supporting AT commands • 28.8 Kbps or faster modem recommended
	RS-232C straight cable	1	• Used to connect the modem and PC to each other.

* Customer purchases

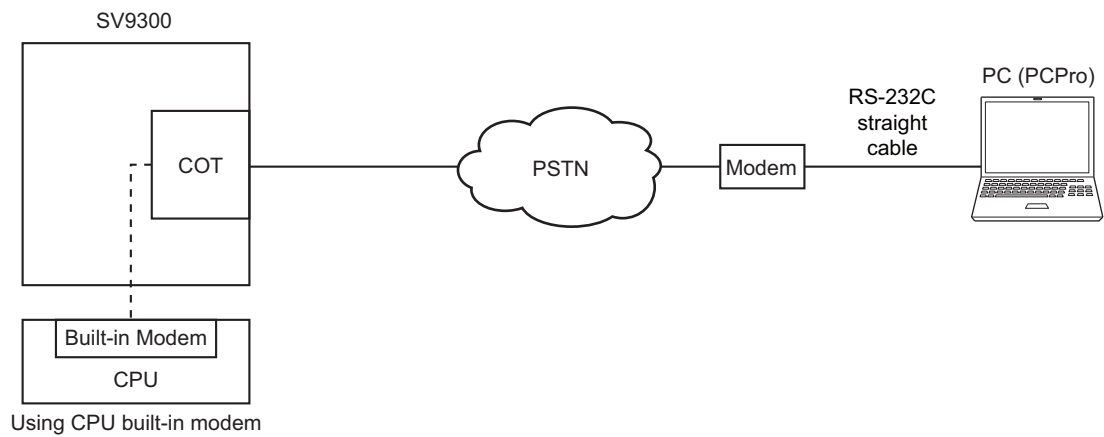
■ Connection Method

STEP1: Using CAT or PCPro (RS-232C connection), set the following system data on the SV9300:

- CM40 Y=10
First data : 1
Second data : X - XXXXXXXXX (Built-in modem No.)
- CM13 Y=07
First data : X - XXXXXXXXX (Built-in modem No.)
Second data : 0 (Data station)
- CM13 Y=18
First data : X - XXXXXXXXX (Built-in modem No.)
Second data : 0 (To send)
- CM15 Y=044 **NOTE**
First data : 00 - 15 (Service restriction class A)
Second data : 0 (Restricted)

NOTE: Using the CPU built-in modem when the second data of CM15 Y=044 (Call Waiting Answer-Called Side) is set to 1 (Allow) affects the communication. Therefore, be sure to set the second data to 0 (restricted).

STEP2: Connect the modem as shown below.



STEP3: Launch PCPro and configure its connectivity (modem connection) with the SV9300 in the [Connection Account] screen. For more details, see “Establishing a Link”. [Page 2-16](#)

Communication Link with the SV9300

Establishing a Link

To establish a communication link between PCPro and the SV9300, follow these steps:

STEP1: Launch PCPro. [Page 2-4](#)

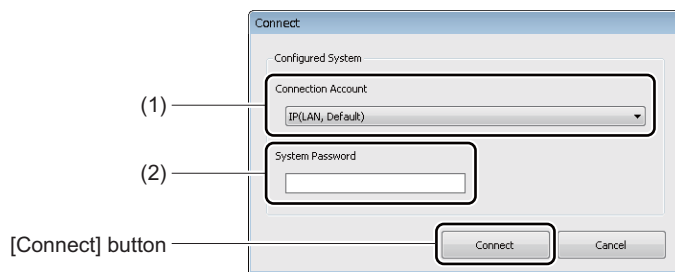
STEP2: On the Main Menu, click [System] > [Connect].
The [Connect] screen is displayed.

STEP3: Select a connection account.

The default connection account is registered once the system data all clear/standard system data entry is completed. If you wish to use any other account, create a new connection account. For instructions on how to create a connection account, see “Connection Account”. [Page 9-2](#)

STEP4: Enter the system password.

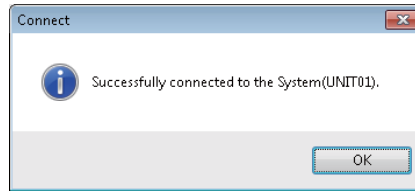
Perform this procedure only if a system password is registered on the SV9300.



No.	Item	Description
(1)	Connection Account	<p>Select a preset default account, or an account that has been set in “Connection Account”.</p> <ul style="list-style-type: none"> • IP (LAN, Default) Connection Type : IP An IP connection to the SV9300 which system data all clear/standard system data has been loaded. Select IP (LAN, Default) when IP connection (ETHERNET port) is used. • IP (VoIP, Default) Connection Type : IP An IP connection to the SV9300 which system data all clear/standard system data has been loaded. Select IP (VoIP, Default) when IP connection (VOIP port) is used. • RS-232C (9600 bps) Connection Type : Direct (RS-232C) Select Direct connection when RS-232C connection (direct connection) is used. • Virtual PBX (Default) Connection Type : Virtual PBX Select Virtual PBX (Default) when using the System Data Off-line Readout/Edit feature with the arbitrary system data file. <p>* PCPro displays the connection account previously connected to the system.</p>
(2)	System Password	Type the system password that is preregistered with the SV9300.

STEP5: Click the [Connect] button.

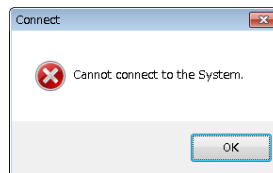
If you successfully log on to the system, a dialog appears saying “Successfully connected to the System.”.



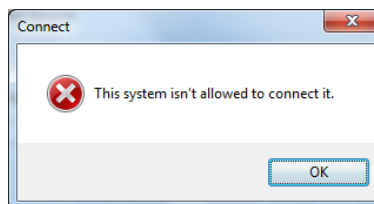
The [Connect] screen closes. The following list of information is displayed on the status bar in the [PCPro] window:

- Connection Account (account in which PCPro is connected to the SV9300)
- System Account (version number of the CPU software installed on the SV9300)
- BIOS version of SV9300
- Unit No. of SV9300
- Dual CPU (CPU0/1) of SV9300

If you fail log on to the system, a dialog appears saying “Cannot connect to the System.”. Take remedial action as recommended in “Troubleshooting a Connect Failure”. [Page D-2](#)



NOTE: *SV9300 PCPro cannot be connected to SV8300. The following dialog box appears when attempting to connect to SV8300.*



A communication link has now been established between PCPro and the SV9300.

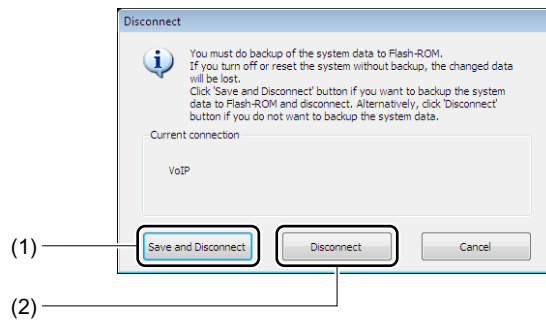
Clearing the Communication Link

To clear the communication link between PCPro and the SV9300, follow these steps:

STEP1: On the Main Menu, click [System] > [Disconnect] in this order.

[Disconnect] dialog box is displayed.

STEP2: Click the [Save and Disconnect] button or [Disconnect] button.



No.	Item	Description
(1)	[Save and Disconnect] button	Click to save the system data to flash memory in the SV9300 and clear the communication link to the SV9300.
(2)	[Disconnect] button	Click to clear the communication link to the SV9300 without saving system data.

The [Disconnect] dialog box closes. The connection information displayed on the status bar in the [PCPro] window disappears.

The communication link to the SV9300 has now been cleared.

System Data Backup

With the SV9300, if any of the operations listed below is carried out without backing up the system data following the entry of system data or service memory settings (such as abbreviated phone dialing and absent transfer), the data settings would be lost. Before performing any of these operations, you need to back up system data. System data backup may be executed at an appointed time, which is specified by CM43 Y=5>00 (by default, at 3.a.m.)

- Power OFF
- System reset (CPU blade reset)
- Switching to off-line mode
- Switching to on-line mode following the setting of system data in off-line mode

NOTE 1: *The SYSD lamp on the CPU blade blinks while the system data backup is in progress. Do not reset the system while the SYSD lamp is blinking red.*

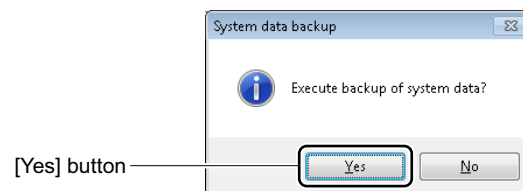
NOTE 2: *The system data backup takes about 5 minutes both in on-line mode and in off-line mode to complete.*

NOTE 3: *When voice data in a VRS is recorded or changed, the backup of voice data is required.*

To backup system data, follow these steps:

STEP1: Launch PCPro. [Page 2-4](#)

STEP2: On the Toolbar, click the [System data backup] button.
[System data backup] dialog box is displayed.

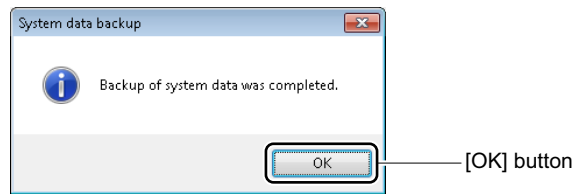


STEP3: Click the [Yes] button.

The system data backup begins.

When System Data Backup is executed, voice data is also backed up at the same time.

STEP4: Click the [OK] button.



The system data backup has now been complete.

Copy System Data to Remote Units

When copying system data set to a Main Unit to Remote Units such as installing additional Remote Units, do the following settings. Copy system data to Remote Units may be executed at an appointed time, which is specified by CM43 Y=7>00 (by default, at 2.a.m.)

NOTE 1: *Time required for copy system data to Remote Units differs depending on the number of managed Units and set system data.*

NOTE 2: *[Copy System Data to Remote Units] cannot be executed during accessing a flash ROM such as during system data backup. In that case, click the [Copy System Data to Remote Units] button again after system data backup has completed.*

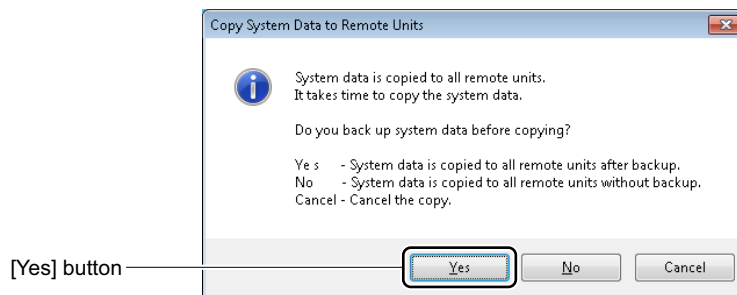
NOTE 3: *System data backup is started automatically in each Remote Unit after system data backup is completed.*

Do not execute the system reset and do not turn the power off the CPU blade while “SYSD” LED on the CPU blade is flashing during system data backup.

To copy system data to Remote Units, follow these steps:

STEP1: Launch PCPro. [Page 2-4](#)

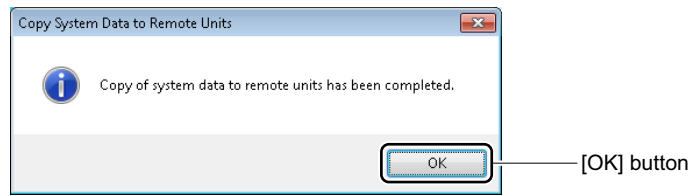
STEP2: On the Toolbar, click the [Copy System Data to Remote Units] button.
[Copy System Data to Remote Units] dialog box is displayed.



STEP3: Click the [Yes] button.
The copy system data to Remote Units begins.

NOTE: *If the [Yes] button is clicked, the system data is copied to all remote units after backup. Click the [No] button when copying system data to all remote units without backup.*

STEP4: Click the [OK] button.



The copy system data to Remote Units has now been completed.

Exiting PCPro

To exit PCPro, follow these steps:

STEP1: Clear the communication Link to the SV9300.

For information on clearing the communication link, see “Clearing the Communication Link”.

[Page 2-19](#)

STEP2: Perform either of the following procedures:

- Click [x] (Close) in the upper right corner of the [PCPro] window.
- On the Main Menu, click [File] > [Exit] in this order.



The [PCPro] window closes. If a communication link to the SV9300 is in existence, the [Disconnect] dialog box is displayed. Clear the connection.

Now you have exited PCPro.

Uninstalling PCPro

To uninstall PCPro, follow these steps:

- STEP1: Click [Start] > [Windows System] > [Control Panel] in this order in Windows OS.
The [Control Panel] screen is displayed.
- STEP2: Click the “Uninstall a program”.
The [Programs and Features] screen is displayed.
- STEP3: Right-click the SV9300 PCPro, then click the “Uninstall” on a pop-up window.
- STEP4: Click the [Yes] button.

PCPro has been removed from your computer.

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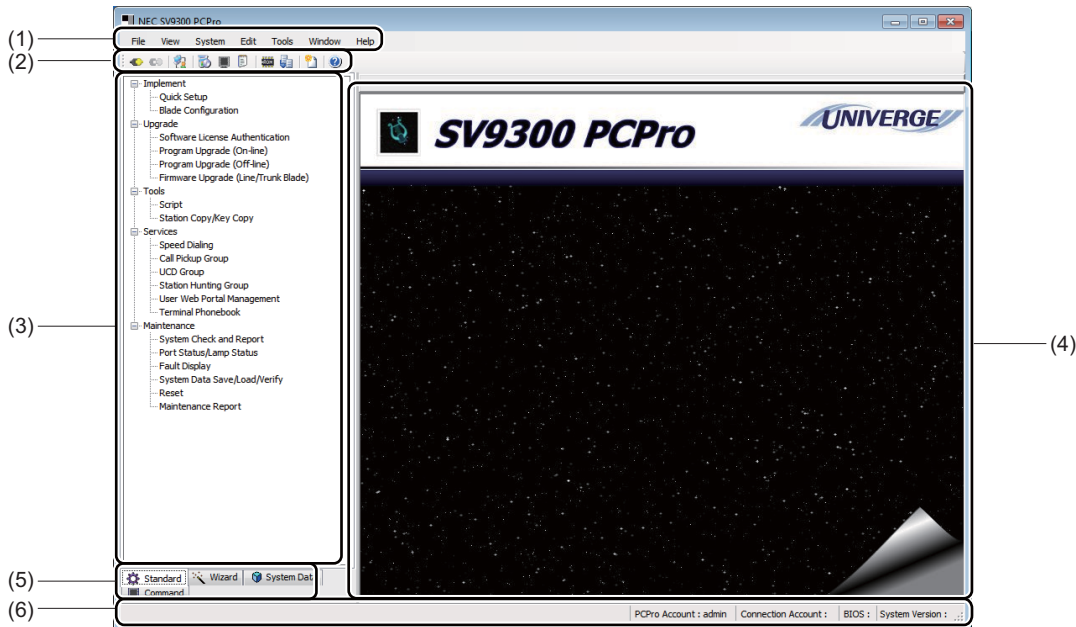
PCPro Window Layout

This chapter describes the layout of the [PCPro] window layout and the functions of its components.

- PCPro Window Component Names and Functions
- Main Menu
- Toolbar
- Submenu
- Work Window
- Mode selector tabs
- Status bar

PCPro Window Component Names and Functions

The PCPro main window is organized into the items listed in the table below. System data set on the SV9300 can be configured or viewed by manipulating a variety of menu choices available from the main window.



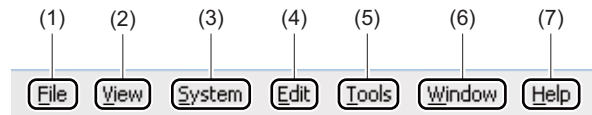
No.	Item	Description	Reference Page
(1)	Main Menu	Displays a menu pertaining to the operations of PCPro as a whole.	Page 3-4
(2)	Toolbar	Displays shortcut icons of the commonly used menu choices.	Page 3-11
(3)	Submenu	Displays the submenu associated with the mode selector tab being selected.	Page 3-18
(4)	Work Window	Displays screen for configuring the functions selected from the main menu, toolbar and submenus. Data is selected and entered, and processing executed in this window.	Page 3-20
(5)	Mode Selector Tabs	Switches the submenu view to one of the following modes: <ul style="list-style-type: none"> • Standard Mode • Wizard Mode • System Data Mode • Command Mode 	Page 3-21

Continued on next page

No.	Item	Description	Reference Page
(6)	Status bar	Displays the status of PCPro operation and that of connection with the SV9300.	Page 3-22

Main Menu

The Main Menu displays a complete repertoire of menus pertaining to the PCPro operations. Click a menu choice on the Main Menu to gain access to the functions listed in the table below. Different menus are displayed according to the user class of the user who has logged in to PCPro.



No.	Menu Category	Menu Choice	Function	Reference Page	
(1)	File	Exit	Exits PCPro.	Page 2-24	
(2)	View	Toolbars	Standard Buttons	Shows or hides the toolbar.	—
			Customize...	Enable to change the toolbar buttons displayed on the toolbar.	—
		Sub menu	Standard	Shows or hides the [Standard] tab among the mode selector tabs.	—
			Wizard	Shows or hides the [Wizard] tab among the mode selector tabs.	—
			System Data	Shows or hides the [System Data] tab among the mode selector tabs.	—
			Command	Shows or hides the [Command] tab among the mode selector tabs.	—
		Status bar	Shows or hides the status bar.	—	
Tooltips	Shows or hides the tooltips that are displayed by pointing to onscreen buttons or entry fields.	—			

Continued on next page

No.	Menu Category	Menu Choice		Function	Reference Page
(3)	System	Connect...		Displays the [Connect] screen. Establishes a communication link with the SV9300.	Page 2-7
		Disconnect...		Displays the [Disconnect] screen. Clears a communication link with the SV9300.	Page 2-19
		System Data Backup		Displays the [System Data Backup] screen. Executes system data backup of the SV9300.	Page 2-20
		Copy System Data to Remote Units		Displays the [Copy System Data to Remote Units] screen. Executes copy system data to the Remote Units.	Page 2-22
		System Data Save/Load/Verify		Displays the [System Data Save/Load/Verify] screen. Performs any of the following operations: <ul style="list-style-type: none"> • Save system data resisted on the SV9300 to PCPro. • Load system data stored on PCPro into the SV9300. • Compare the system data registered on the SV9300 and system data saved on PCPro. 	Page 4-270
		Reset		Displays the [Reset] screen. Resets the CPU, Line/Trunk Blades, and IP Trunk (P2P CCIS).	Page 4-282
		Software License Authentication		Displays the [Software License Authentication] screen. Registers/deletes software licenses.	Page 4-42
		Maintenance	Fault Display	Displays the [Fault Display] screen. Enable to confirm information about errors present on the SV9300.	Page 4-268

Continued on next page

No.	Menu Category	Menu Choice		Function	Reference Page
(3)	System	Maintenance	System Check and Report	Displays the [System Check and Report] screen. Displays the check result of system, system configuration of the SV9300, details of line/trunk blades and port information in the HTML format. Also checks whether the duplicate IP addresses exist or not, and detects line/trunk blades requiring the firmware upgrade.	Page 4-251
			Maintenance Report	Displays the [Maintenance Report] screen. Edits and creates the maintenance report.	Page 4-287
			Port Status/Lamp Status	Displays the [Port Status/Lamp Status] screen. Enable to confirm the status of each busy trunk, list of busy stations, LED indication of a selected blade and busy status of a selected trunk number (idle/busy/etc.).	Page 4-256
			Program Upgrade (On-line)	Displays the [Program Upgrade (On-line)] screen. Upgrades the CPU software in On-line.	Page 4-61
			Program Upgrade (Off-line)	Displays the [Program Upgrade (Off-line)] screen. Upgrades the CPU software in Off-line.	Page 4-73
Firmware Upgrade (Line/Trunk Blade)	Displays the [Firmware Upgrade (Line/Trunk Blade)] screen. Extracts line/trunk blades requiring the firmware upgrade and upgrades the firmwares for all blades at once.	Page 4-77			

Continued on next page

No.	Menu Category	Menu Choice		Function	Reference Page
(3)	System	Maintenance	Trace Information...	<p>Displays the [Trace Information] screen. Enable to confirm trace information transmitted from the SV9300 randomly.</p> <p>* This menu is reserved for NEC technicians and need not be used in most situations.</p>	Page 7-12
(4)	Edit	Standard		Switches the submenu view to Standard Mode.	Page 4-2
		Wizard		Switches the submenu view to Wizard Mode.	Page 5-2
		System Data		Switches the submenu view to System Data Mode.	Page 6-2
		Command		Switches the submenu view to Command Mode.	Page 7-2
		Quick Setup		Displays the [Quick Setup] screen. Provides initial settings to the SV9300 (Unit01).	Page 4-6
		Blade Configuration		Displays the [Blade Configuration] screen. Registers blades on the SV9300.	Page 4-29
		Speed Dialing		Displays the [Speed Dialing] screen. Displays a list of Speed Dialing usage and sets the Station Speed Dialing and the System Speed Dialing.	Page 4-125
		Call Pickup Group		Displays the [Call Pickup Group] screen. Adds, edits and deletes the Call Pickup Group.	Page 4-170
		UCD Group		Displays the [UCD Group] screen. Adds, edits and deletes the UCD Group.	Page 4-183

Continued on next page

No.	Menu Category	Menu Choice	Function	Reference Page	
(4)	Edit	Station Hunting Group	Displays the [Station Hunting Group] screen. Adds, edits and deletes the Station Hunting Group.	Page 4-197	
		User Web Portal Management	Performs required settings to manage the User Web Portal and collects logs.	Page 4-210	
		Terminal Phonebook	Displays the [Terminal Phonebook] screen. Assigns the directory data made by Excel to PCPro, and then changes the data into a directory format which is available for downloading on DT900 Series.	Page 4-230	
(5)	Tools	Connection Accounts...	Displays the [Connection Accounts] screen. Creates and verifies a connection count.	Page 9-2	
		PCPro Accounts	Change Password...	Displays the [Change Password] screen. Changes the password associated with the user name of the user who has currently logged in.	Page 9-12
		Script	Displays the [Script] screen. Runs the system data scripts.	Page 4-90	
		Station Copy/Key Copy	Displays the [Station Copy/Key Copy] screen. Copies key data (station data), copies/assigns new stations and moves/swaps stations.	Page 4-103	
		Reports	Fault Display...	Display a fault information report.	Page 8-2
			System Check and Report...	Displays a system report.	Page 8-3
			System Data...	Displays the results of system data read out by System Data Mode.	Page 8-24

Continued on next page

No.	Menu Category	Menu Choice		Function	Reference Page
(5)	Tools	Reports	Log Viewer...	Displays a history of upgrade to the system data.	Page 8-26
		Settings	Options	Displays the [Options] screen. Set the maximum number of the displays of System Data, monitors the status of the IP connection and message displays, and selects the Chinese character.	Page 9-39
		Settings	FTP Server Settings...	Displays the [FTP Server Settings] screen. Displays and configures FTP server information.	Page 9-43
			HTTP Server Settings...	Displays the [HTTP Server Settings] screen. Displays and configures HTTP server information.	Page 9-47
		System Data Conversion Tool...	Displays the [System Data Conversion Tool] screen. Converts the system data of SV8300 to that of SV9300.	Page 9-24	
		Communication Log...	Displays a log of real-time communications sessions between PCPro and the SV9300. * This menu is reserved for NEC technicians and need not be used in most situations.	—	
(6)	Window	Close All		Closes all open windows in the work window.	—

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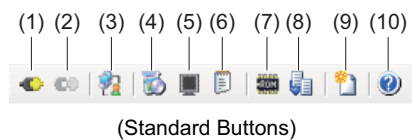
No.	Menu Category	Menu Choice	Function	Reference Page
(7)	Help	Help	Displays “PC Programming Manual” for this user class. * Adobe Reader is required to view the guide.	—
		License	Displays the end user license agreement of PCPro.	—
		About SV9300 PCPro...	Displays version information about PCPro.	—

Toolbar

In the toolbar, there are “Standard Buttons” which display the shortcut icons (hereinafter “toolbar buttons”) of the preset menus and “Customize Settings” which enable to change the toolbar buttons displayed on the toolbar in accordance with the intended use.

Standard Buttons

When “Standard Buttons” is selected from the Toolbars in View menu, toolbar buttons of the commonly used menus are always displayed on the toolbar. Click an icon to gain access to the functions listed in the table below.



No.	Menu Category	Item	Function	Reference Page
(1)	System	Connect	Displays the [Connect] screen. Establishes a communication link with the SV9300.	Page 2-7
(2)		Disconnect	Displays the [Disconnect] screen. Clears a communication link with the SV9300.	Page 2-19
(3)	Tools	Connection Accounts	Displays the [Connection Accounts] screen. Creates and verifies a connection account.	Page 9-2
(4)	Edit	Quick Setup	Displays the [Quick Setup] screen.	Page 4-6
(5)		Command	Displays the [Command] screen.	Page 7-3
(6)	Tools	Script	Displays the [Script] screen.	Page 4-90

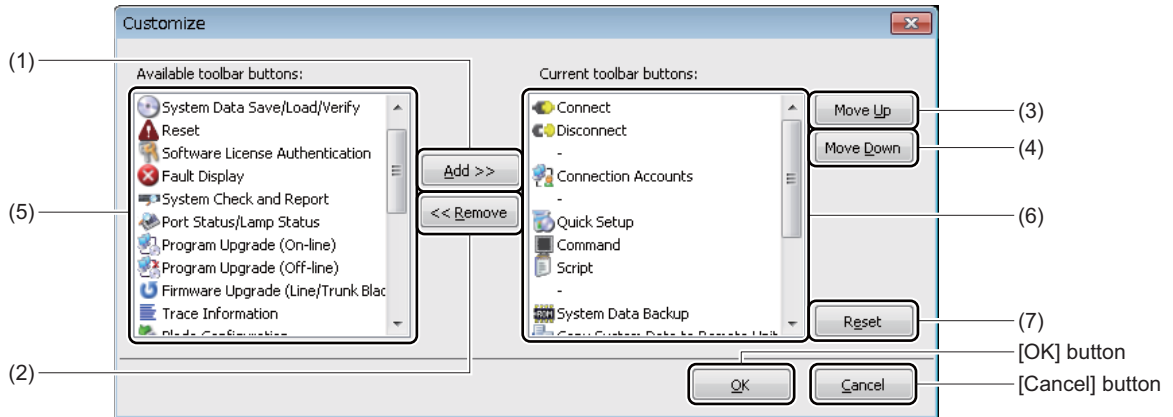
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No.	Menu Category	Item	Function	Reference Page
(7)	System	System Data Backup	Displays the [System data Backup] screen.	Page 2-20
(8)		Copy System Data to Remote Units	Displays the [Copy System Data to Remote Units] screen.	Page 2-22
(9)		Maintenance Report	Displays the [Maintenance Report] screen. Edits and creates the maintenance report.	Page 4-287
(10)	Help	Help	Displays the PC Programming Manual for this user class. * Adobe Reader is required to view the guide.	—

Customize Settings















When you want to edit (add/remove) the toolbar buttons displayed on the toolbar in accordance with the intended use, you can edit them on the [Customize Settings] screen.

To display the [Customize] screen, click [View] > [Toolbars] > [Customize...] in this order on the Main Menu.


















No.	Item	Description
(1)	[Add >>] button	Click to add the toolbar button selected in the Available toolbar buttons area.
(2)	[<< Remove] button	Click to remove the toolbar button selected in the Current toolbar buttons area.
(3)	[Move Up] button	Click to move up the toolbar button selected in the Current toolbar buttons area.
(4)	[Move Down] button	Click to move down the toolbar button selected in the Current toolbar buttons area.
(5)	Available toolbar buttons area	Displays the list of toolbar buttons available for the toolbar.
(6)	Current toolbar buttons area	Displays the list of toolbar buttons currently used.
(7)	[Reset] button	Click to return the setting of Current toolbar buttons area to the default setting (Standard Buttons).





In the [Customize] screen, you can edit (add/remove) the toolbar buttons as shown the table below.

Menu Category	Item	Icon	Function	Reference Page
System	Connect		Displays the [Connect] screen. Establishes a communication link with the SV9300.	Page 2-7
	Disconnect		Displays the [Disconnect] screen. Clears a communication link with the SV9300.	Page 2-19
	System Data Backup		Displays the [System Data Backup] screen.	Page 2-20
	Copy System Data to Remote Units		Displays the [Copy System Data to Remote Units] screen.	Page 2-22
	System Data Save/Load/Verify		Displays the [System Data Save/Load/Verify] screen.	Page 4-270
	Reset		Displays the [Reset] screen.	Page 4-282
	Software License Authentication		Displays the [Software License Authentication] screen.	Page 4-42
	Fault Display		Displays the [Fault Display] screen.	Page 4-268
	System Check and Report		Displays the [System Check and Report] screen.	Page 4-251
	Maintenance Report		Displays the [Maintenance Report] screen. Edits and creates the maintenance report.	Page 4-287
	Port Status/Lamp Status		Displays the [Port Status/Lamp Status] screen.	Page 4-256
	Program Upgrade (On-line)		Displays the [Program Upgrade (On-line)] screen.	Page 4-61
	Program Upgrade (Off-line)		Displays the [Program Upgrade (Off-line)] screen.	Page 4-73
Firmware Upgrade (Line/Trunk Blade)		Displays the [Firmware Upgrade (Line/Trunk Blade)] screen.	Page 4-77	

Continued on next page

Menu Category	Item	Icon	Function	Reference Page
System	Trace Information...		Displays the [Trace Information] screen. Enable to confirm trace information transmitted from the SV9300 randomly. * This menu is reserved for NEC technicians and need not be used in most situations.	Page 7-12
Edit	Command		Displays the [Command] screen.	Page 7-3
	Quick Setup		Displays the [Quick Setup] screen.	Page 4-6
	Blade Configuration		Displays the [Blade Configuration] screen.	Page 4-29
	Speed Dialing		Displays the [Speed Dialing] screen.	Page 4-125
	Call Pickup Group		Displays the [Call Pickup Group] screen.	Page 4-170
	UCD Group		Displays the [UCD Group] screen.	Page 4-183
	Station Hunting Group		Displays the [Station Hunting Group] screen.	Page 4-197
	User Web Portal Management		Displays the [Web Server Settings] screen.	Page 4-210
	Terminal Phonebook		Displays the [Terminal Phonebook] screen.	Page 4-230
Tools	Connection Accounts...		Displays the [Connection Accounts] screen. Creates and verifies a connection account.	Page 9-2
	Change Password...		Displays the [Change Password] screen.	Page 9-12
	Script		Displays the [Script] screen.	Page 4-90
	Station Copy/Key Copy		Displays the [Station Copy/Key Copy] screen.	Page 4-103
	Options		Displays the [Options] screen.	Page 9-39

Continued on next page

Menu Category	Item	Icon	Function	Reference Page
Tools	FTP Server Settings...		Displays the [FTP Server Settings] screen.	Page 9-43
	HTTP Server Settings...		Displays the [HTTP Server Settings] screen.	Page 9-47
	Communication Log...		Displays a log of real-time communications sessions between PCPro and the SV9300. * This menu is reserved for NEC technicians and need not be used in most situations.	—
Help	Help		Displays the PC Programming Manual for this user class. * Adobe Reader is required to view the guide.	—

To edit (add/remove) the toolbar buttons, do the following procedures.

■ Adding Toolbar Buttons

STEP1: Select the toolbar button to add from the Available toolbar buttons area.

NOTE: *You cannot select more than one toolbar button at a time.*

STEP2: Click the [Add] button.

The selected toolbar button is added in the Current toolbar buttons area.

Tips: *When Resetting to the Default Setting*

Click the [Reset] button if you want to reset the toolbar indication to the default setting (Standard Buttons).

STEP3: Repeat the operations from STEP1 to STEP2, if necessary.

STEP4: Change the order of the toolbar using the [Move Up] button or the [Move Down] button, if necessary.

STEP5: Click the [OK] button.

The selected toolbar button is added on the toolbar.

■ Removing Toolbar Buttons

STEP1: Select the toolbar button to remove from the Current toolbar buttons area.

NOTE: *You cannot select more than one toolbar button at a time.*

STEP2: Click the [Remove] button.
The selected toolbar button returns in the Current toolbar buttons area.

Tips: ***When Resetting to the Default Setting**
Click the [Reset] button if you want to reset the toolbar indication to the default setting (Standard Buttons).*

STEP3: Repeat the operations from STEP1 to STEP2, if necessary.

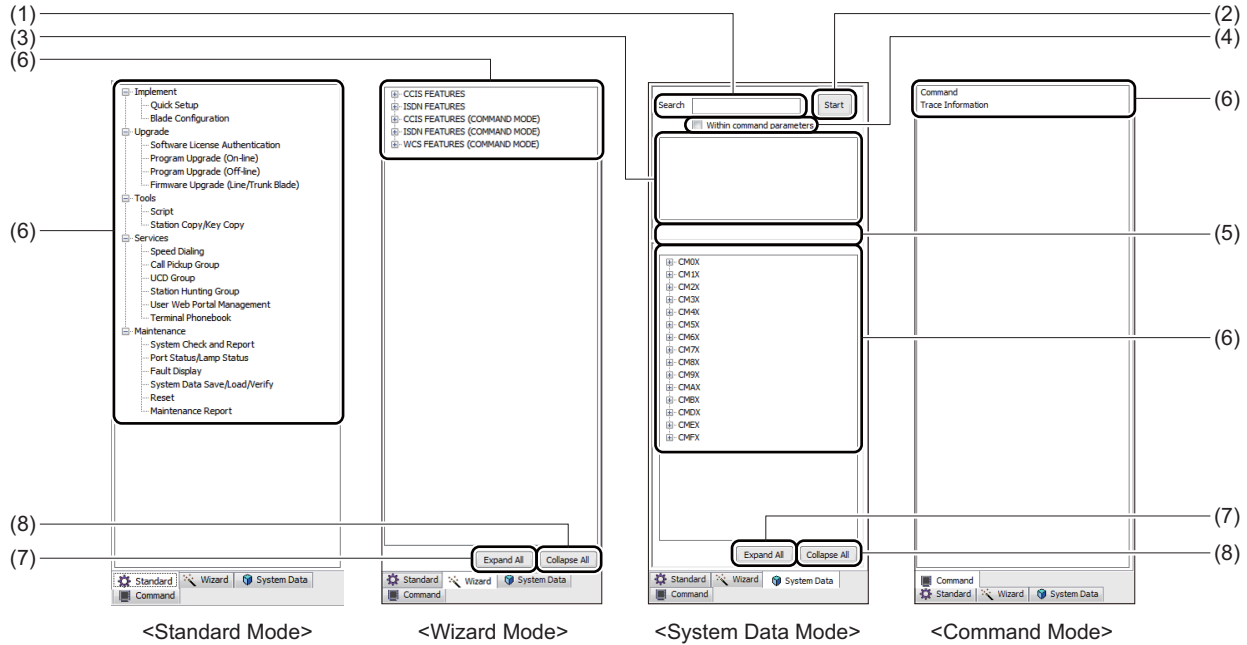
STEP4: Change the order of the toolbar using the [Move Up] button or the [Move Down] button, if necessary.

STEP5: Click the [OK] button.
The selected toolbar button is removed from the toolbar.

The toolbar editing has now been completed.

Submenu

Displays the submenu associated with the mode selector tab being selected.



<Mode: ST--Standard Mode, WZ--Wizard Mode, SD--System Data Mode, CM--Command Mode>

No.	Item	Description	Mode:				Reference Page
			x: Applicable -: Not applicable				
			ST	WZ	SD	CM	
(1)	Search Character entry field	Type part of the name of the function you want to search for.	-	-	x	-	Page 6-6
(2)	[Start] button	Click to launch a search.	-	-	x	-	
(3)	View Search Results field	Displays search results. Click a search result to open a setup screen in the work window.	-	-	x	-	
(4)	“Within command parameters” check box	Specify whether command parameters are included as search objects or not.	-	-	x	-	

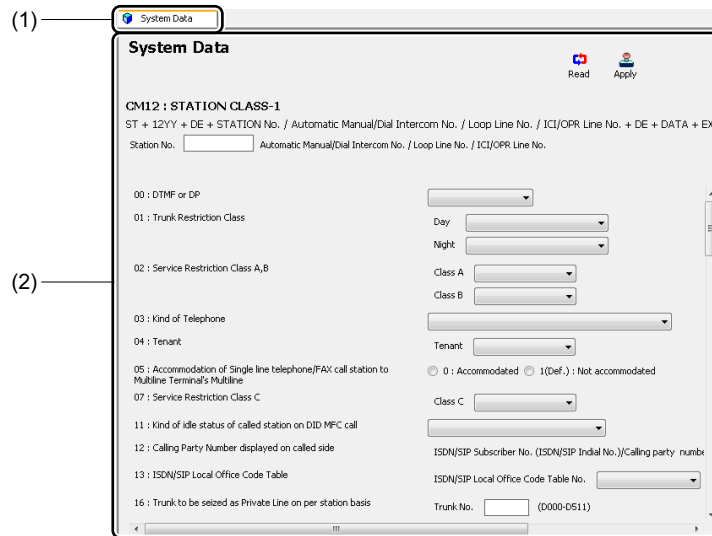
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<Mode: ST--Standard Mode, WZ--Wizard Mode, SD--System Data Mode, CM--Command Mode>

No.	Item	Description	Mode: ×:Applicable –:Not applicable				Reference Page
			ST	WZ	SD	CM	
(5)	Search Status Display field	Displays a search status and the number of search results.	–	–	×	–	
(6)	Submenu display	Displays mode-specific submenus. Click a menu choice to open a setup screen in the work window. For mode details, see the chapters suggested at right.	×	×	×	×	Standard Mode Page 4-2 Wizard Mode Page 5-2 System Data Mode Page 6-2 Command Mode Page 7-2
(7)	[Expand All] button	Click to expand the entire submenu tree.	–	×	×	–	–
(8)	[Collapse All] button	Click to collapse the entire tree view.	–	×	×	–	–

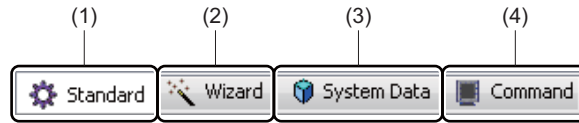
Work Window

Displays a screen for configuring the functions selected from the main menu, toolbar and submenus.



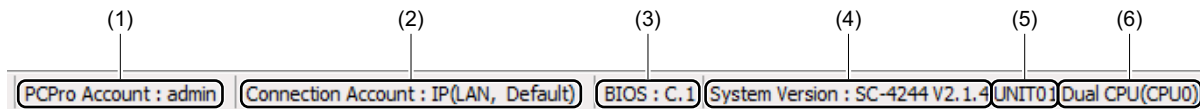
No.	Item	Description
(1)	Screen selector tab	Displays the title of the screen that is on display on the tab. Click the tab to change screen. To close the screen, right-click on the tab and click “Close” or place the mouse pointer over the tab and click the [Close] button.
(2)	Setup screen	Select and enter data, execute processing and verify settings all through this window.

Mode Selector Tabs



No.	Item	Description	Reference Page
(1)	[Standard] tab	Switches the submenu view to Standard Mode.	Page 4-2
(2)	[Wizard] tab	Switches the submenu view to Wizard Mode.	Page 5-2
(3)	[System Data] tab	Switches the submenu view to System Data Mode.	Page 6-2
(4)	[Command] tab	Switches the submenu view to Command Mode.	Page 7-2

Status bar



No.	Item	Description
(1)	User Name	Displays the name of the user who has logged in to PCPro.
(2)	Connection Account	Displays the connection account of the SV9300 or Virtual PBX with which PCPro has established a communication link. * Displays only when connecting with the SV9300 or Virtual PBX.
(3)	BIOS Version Information	Displays the BIOS version of the SV9300 with which PCPro has established a communication link. <ul style="list-style-type: none"> When not connected to the SV9300 or connected to Virtual PBX: BIOS: When connected to the SV9300: BIOS: xx
(4)	Version Information	Displays the version number of the CPU software installed on the SV9300 or Virtual PBX with which PCPro has established a communication link. * Displays only when connecting with the SV9300 or Virtual PBX. For Virtual PBX, the virtual software version is displayed.
(5)	Unit No. Information	Displays the Unit No.of the SV9300 with which PCPro has established a communication link. <ul style="list-style-type: none"> 01 to 50 * Displays only when connecting with the SV9300.
(6)	Dual CPU Information	Displays the ACT CPU of the SV9300 with which PCPro has established a communication link. <ul style="list-style-type: none"> Dual CPU (CPU0)/Dual CPU (CPU1) *1 Displays only for Dual CPU (Unit01-04). *2 Displays only when connecting with the SV9300.

Standard Mode

Standard Mode is suited for completing complex of setup.

- Streamlines the complexities of setup and verification work.
- Achieves functionality beyond reach of command entry.
- Minimum operational effort needed to enter massive data simultaneously.

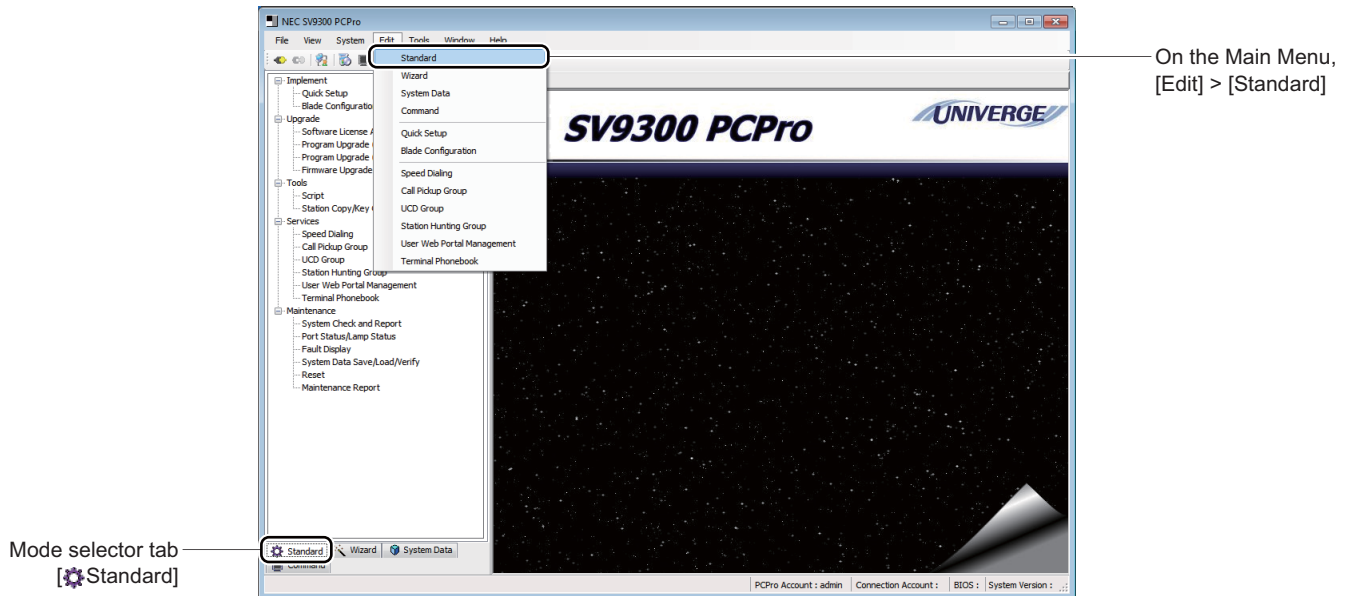
This chapter explains how to switch to Standard Mode, use Standard Mode and to set each menu items.

- Switching to Standard Mode
- Using Standard Mode

Switching to Standard Mode

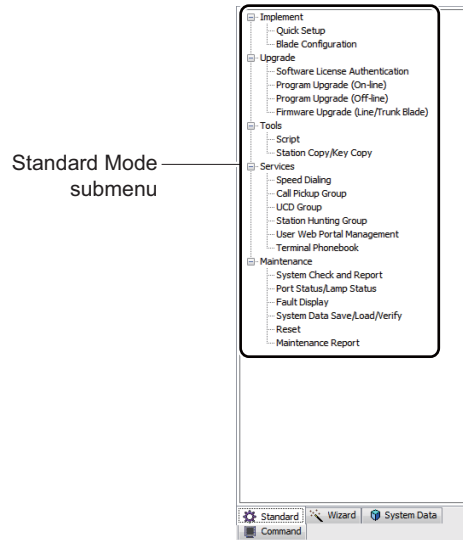
You can switch the submenu display to Standard Mode in one of the following operations:

- Click mode selector tab [Standard].
- On the Main Menu, click [Edit] > [Standard] in this order.



Using Standard Mode

Click a menu choice appearing on a submenu to open a setup screen in the work window. Work with the setup screen as instructed in the page shown in the Refer column.



Submenu Category	Menu Choice	Description	Reference Page
Implement	Quick Setup	Displays the [Quick Setup] screen. Provides initial settings to the SV9300 (Unit01).	Page 4-6
	Blade Configuration	Displays the [Blade Configuration] screen. Registers blades on the SV9300.	Page 4-29
Upgrade	Software License Authentication	Displays the [Software License Authentication] screen. Registers/deletes software licenses.	Page 4-42
	Program Upgrade (On-line)	Displays the [Program Upgrade (On-line)] screen. Upgrades the CPU software in On-line.	Page 4-61
	Program Upgrade (Off-line)	Displays the [Program Upgrade (Off-line)] screen. Upgrades the CPU software in Off-line.	Page 4-73

Continued on next page


Submenu Category	Menu Choice	Description	Reference Page
Upgrade	Firmware Upgrade (Line/Trunk Blade)	Displays the [Firmware Upgrade (Line/Trunk Blade)] screen. Extracts line/trunk blades requiring the firmware upgrade and upgrades the firmwares for all blades at once.	Page 4-77
Tools	Script	Displays the [Script] screen. Runs the system data scripts.	Page 4-90
	Station Copy/Key Copy	Displays the [Station Copy/Key Copy] screen. Copies key data (station data), copies/assigns new stations and moves/swaps stations.	Page 4-103
Service	Speed Dialing	Displays the [Speed Dialing] screen. Displays a list of Speed Dialing usage and sets the Station Speed Dialing and the System Speed Dialing.	Page 4-125
	Call Pickup Group	Displays the [Call Pickup Group] screen. Adds, edits and deletes the Call Pickup Group.	Page 4-170
	UCD Group	Displays the [UCD Group] screen. Adds, edits and deletes the UCD Group.	Page 4-183
	Station Hunting Group	Displays the [Station Hunting Group] screen. Adds, edits and deletes the Station Hunting Group.	Page 4-197
	User Web Portal Management	Displays the [Web Server Settings] screen. Performs required settings to manage the User Web Portal and collects logs.	Page 4-210
	Terminal Phonebook	Displays the [Terminal Phonebook] screen. Assigns the Terminal Phonebook data made by Excel to PCPro, and then changes the data into a zip file which is possible to download onto the DT900 Series.	Page 4-230

Continued on next page

Submenu Category	Menu Choice	Description	Reference Page
Maintenance	System Check and Report	Displays the [System Check and Report] screen. Displays the check result of system, system configuration of the SV9300, details of line/trunk blades and port information in the HTML format. Also checks whether the duplicate IP addresses exist or not, and detects line/trunk blades requiring the firmware upgrade.	Page 4-251
	Port Status/Lamp Status	Displays the [Port Status/Lamp Status] screen. Enable to confirm the status of each busy trunk, list of busy stations, LED indication of a selected blade and busy status of a selected trunk number (idle/busy/etc.).	Page 4-256
	Fault Display	Displays the [Fault Display] screen. Enable to confirm information about errors present on the SV9300.	Page 4-268
	System Data Save/Load/Verify	Displays the [System Data Save/Load/Verify] screen. Performs any of the following operations: <ul style="list-style-type: none"> • Save registered system data on the SV9300 to PCPro. • Loads the system data saved on the PCPro into the SV9300. • Compares the system data saved on the SV9300 and that saved on PCPro and checks for differences between the two copies of the data. 	Page 4-270
	Reset	Displays the [Reset] screen. Resets the CPU, Line/Trunk Blades, and IP Trunk (P2P CCIS).	Page 4-282
	Maintenance Report	Displays the [Maintenance Report] screen. Edits and creates the maintenance report.	Page 4-287

[Implement] Category


The [Implement] category is organized into two submenus as followings:

- Quick Setup
- Blade Configuration  [Page 4-29](#)

Quick Setup

The [Quick Setup] menu lets you complete default setting, the system clock, IP address, station and trunk on the SV9300 (unit number 01) in easy procedures based on onscreen guidance. Follow these steps:

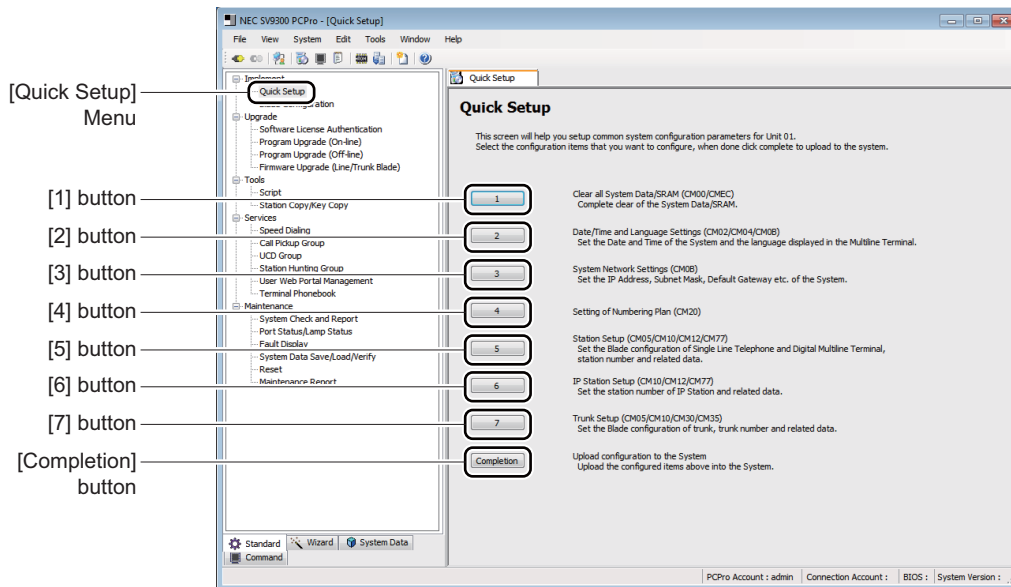
STEP1: Take one of these actions:

- Click submenu [Quick Setup] in Standard Mode.
- On the Main Menu, click [Edit] > [Quick Setup] in order.
- Click  on the toolbar.

Displays [Quick Setup] screen in the work window.

STEP2: Proceed with each default setting in the order of buttons.

For subsequent operations, refer to the detailed explanations of the individual buttons.



Button Name	Setup Item	Description	Refer
[1]	Clear all System Data/ SRAM (CM00/CMEC)	Clears all system data/SRAM on the SV9300.	Page 4-8
[2]	Date/Time and Language Settings (CM02/CM04/CM0B)	Sets the Date & Time and the language used on the SV9300.	Page 4-10
[3]	System Network Settings (CM0B)	Sets the IP addresses of the SV9300 and the RTP port (VoIPDB).	Page 4-11
[4]	Setting of Numbering Plan (CM20)	Sets a numbering plan for the station and the trunk route access.	Page 4-14
[5]	Station Setup (CM05/ CM10/CM12/CM77)	Registers a LC/DLC blade and sets a station number and relevant data.	Page 4-15
[6]	IP Station Setup (CM10/CM12/CM77)	Configures IP Station.	Page 4-18
[7]	Trunk Setup (CM05/ CM10/CM30/CM35)	Registers a trunk blade and sets trunk data.	Page 4-21
[Completion]	Upload configuration to the System	Writes the system data configured through the screen to the SV9300. Also, creates the script files of the system data.	Page 4-26

NOTE 1: System data that has been configured through the button [2] to [7] button screens is not applied to the SV9300 until a write operation is performed in the screen invoked by clicking the [Completion] button.

NOTE 2: For a detailed description of item settings, refer to the “Command Manual”.

■ **Clear all System Data/SRAM (CM00/CMEC)**

Clear all System Data/SRAM on the SV9300 in the following steps:

STEP1: Click the [1] button in the [Quick Setup] screen.

The [1.Clear all System Data/SRAM] screen is displayed in the work window.

STEP2: Set the [SENSE] switch to “E” (OFF-line) on the CPU blade mounted in the SV9300.

STEP3: Press the [RESET] button on the CPU blade to reset.

Press the CPU blade [RESET] button and the lamps will change in their states as described below.

Change	Lamp States			
	RUN	SYSD	S1	S2
Press the [RESET] button	Off	Off	Off	Off
↓	Lighting blue	Off	Blinking green fast/Off*	Blinking green fast/off*
↓	Off	Blinking red fast	Off	Off
↓	Off	Off	Off	Blinking green fast
Normal state	Blinking blue slowly	Off	Off	Off

* Either S1 or S2 becomes blinking green fast or off state.

STEP4: Check that the SV9300 has restarted.

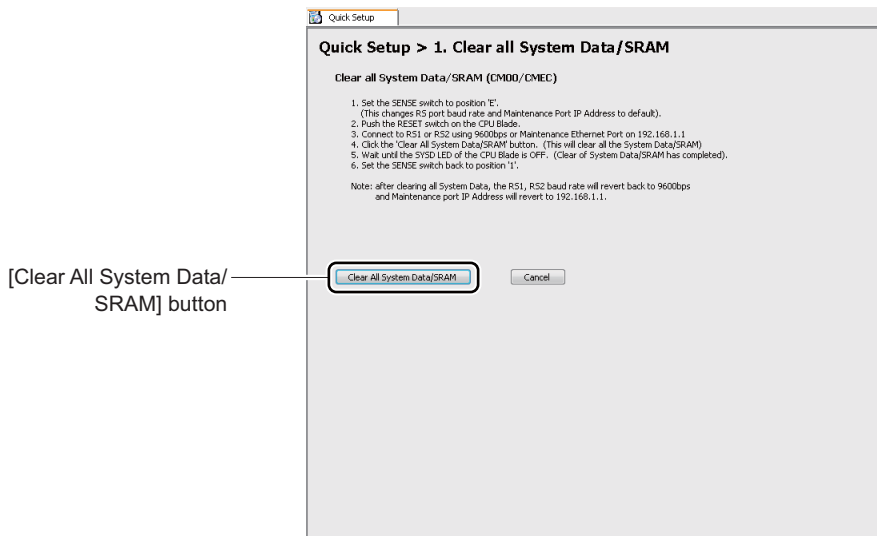
Check that the RUN lamp on the CPU blade indicates a normal state (blinking blue slowly).

STEP5: Reconnect the communication link with the SV9300

Clear the communication link: click [System] > [Disconnect] ([☞ Page 2-19](#)), then establish the link: click [System] > [Connect] ([☞ Page 2-16](#)).

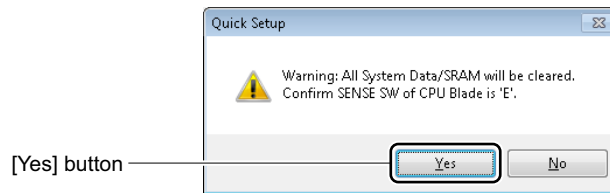
Connect the Connection Account by default accounts.

STEP6: Click [Clear All System Data/SRAM] button.



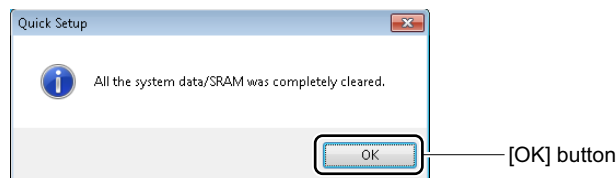
A dialog box is displayed to confirm the execution of System Data/SRAM All Clear.

STEP7: Confirm the [SENSE] switch on the CPU blade is set on “E” (OFF-line) and click the [Yes] button.



After a while, the SYSD lamp of CPU blade will turn from blinking red to light off at the completion of Clear All System Data/SRAM, accompanied by the appearance of a dialog box indicating its completion.

STEP8: Click the [OK] button.



You are directed back to the [Quick Setup] dialog box. Checked mark appears to the right of button [1].

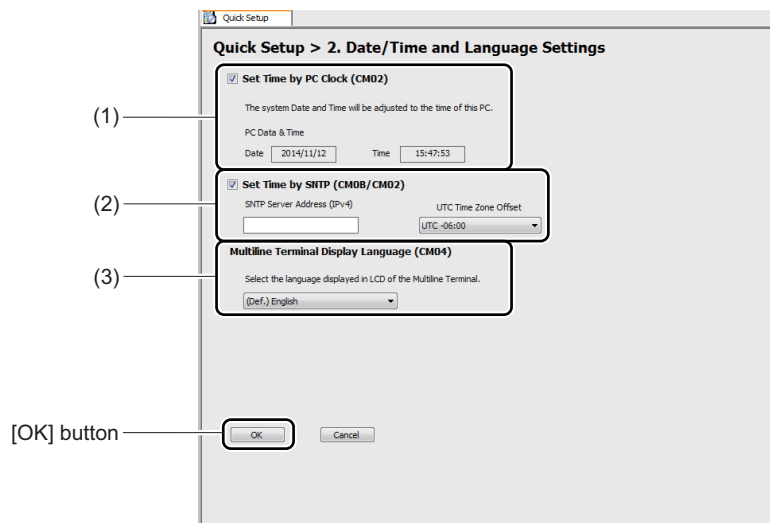
STEP9: Return the [SENSE] switch to “1” (On-line) on the CPU blade.
The SV9300 is automatically reset when the [SENSE] switch of the CPU blade is set to “1” (On-line).

All system data previously assigned to SV9300 is cleared.

■ Date/Time and Language Settings (CM02/CM04/CM0B)

Set the Date/Time and the language used on the SV9300 in these steps:

- STEP1: Click the [2] button in the [Quick Setup] screen.
[2. Date/Time and Language Settings] screen is displayed in the work window.
- STEP2: Set items (1) to (3).



No.	Item	Description																								
(1)	Set Time by PC Clock (CM02) check box	Mark the check box to adjust the setting of the SV9300 to the Date/Time of the PC displayed on the screen (default: checked).																								
(2)	Set Time by SNTP (CM0B/CM02) check box	Mark the check box to adjust the following setting of the SNTP Server (default: unchecked). <ul style="list-style-type: none"> • SNTP Server Address (IPv4): 0.0.0.1 to 255.255.255.254 (default: blank) • UTC Time Zone Offset : No Time Difference/UTC +23:45 to UTC -23:45 (default: UTC -06:00) 																								
(3)	Multiline Terminal Display Language (CM04) field	Choose the language displayed in the LCD of Multiline Terminal. <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">- Japanese</td> <td style="width: 33%;">- Italian</td> <td style="width: 33%;">- Japanese Kanji</td> </tr> <tr> <td>- English</td> <td>- Netherlandish</td> <td>- Russian</td> </tr> <tr> <td>- French (Canadian French)</td> <td>- French (Europe)</td> <td>- Turkish</td> </tr> <tr> <td>- Spanish (Latin Spanish)</td> <td>- Spanish (Europe)</td> <td>- Simplified Chinese</td> </tr> <tr> <td>- Portuguese (Brazilian Portuguese)</td> <td>- Portuguese (Europe)</td> <td>- Traditional Chinese</td> </tr> <tr> <td>- German</td> <td>- Swedish</td> <td>- English (Default)</td> </tr> <tr> <td></td> <td>- Danish</td> <td></td> </tr> <tr> <td></td> <td>- Catalan</td> <td></td> </tr> </table>	- Japanese	- Italian	- Japanese Kanji	- English	- Netherlandish	- Russian	- French (Canadian French)	- French (Europe)	- Turkish	- Spanish (Latin Spanish)	- Spanish (Europe)	- Simplified Chinese	- Portuguese (Brazilian Portuguese)	- Portuguese (Europe)	- Traditional Chinese	- German	- Swedish	- English (Default)		- Danish			- Catalan	
- Japanese	- Italian	- Japanese Kanji																								
- English	- Netherlandish	- Russian																								
- French (Canadian French)	- French (Europe)	- Turkish																								
- Spanish (Latin Spanish)	- Spanish (Europe)	- Simplified Chinese																								
- Portuguese (Brazilian Portuguese)	- Portuguese (Europe)	- Traditional Chinese																								
- German	- Swedish	- English (Default)																								
	- Danish																									
	- Catalan																									

STEP3: Click the [OK] button.

You are directed back to the [Quick Setup] screen. Checked mark appears to the right of button [2].

The Date/Time and the language have now been set.

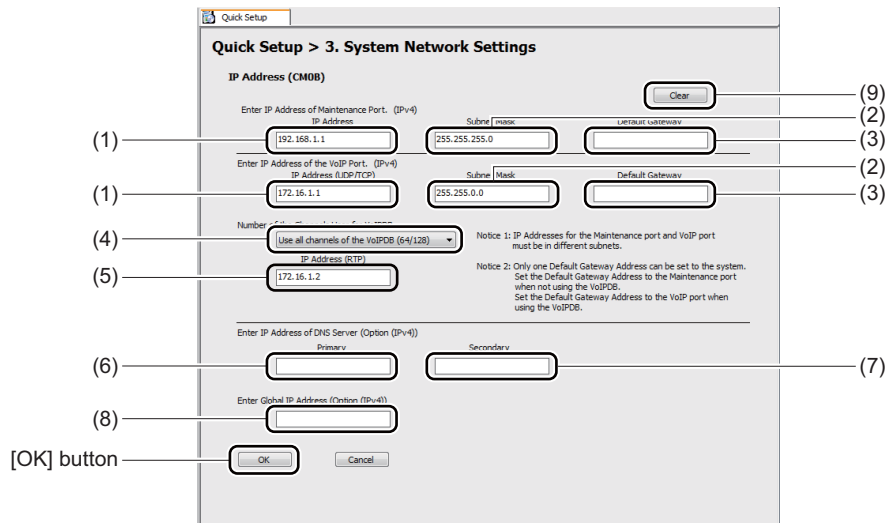
■ System Network Settings (CM0B)

Set the IP addresses of the SV9300 (CPU blade) and the RTP port (VoIPDB) in these steps:

STEP1: Click the [3] button in the [Quick Setup] screen.

The [3. System Network Settings] screen is displayed in the work window.

STEP2: Set items (1) to (8) for the SV9300 (CPU blade) and RTP (VoIPDB blade).



No.	Item	Description
(1)	IP Address field	Enter the IP addresses of the SV9300 maintenance port and VOIP port (UDP/TCP). <ul style="list-style-type: none"> • 0.0.0.1 to 255.255.255.254 (default: see “SV9300 IP Address” Page 2-11)
(2)	Subnet Mask field	Enter the subnet masks of the SV9300 maintenance port and VOIP port. <ul style="list-style-type: none"> • 255.0.0.0 to 255.255.255.252 (default: see “SV9300 IP Address” Page 2-11) • Make sure that subnet mask of the maintenance port and VOIP port are not the same.
(3)	Default Gateway field	Enter the default gateways of the SV9300 maintenance port and VOIP port. <ul style="list-style-type: none"> • 0.0.0.1 to 255.255.255.254 (default: blank) • There are the following conditions when setting the Default Gateway Address by this command. <ul style="list-style-type: none"> - Only one Default Gateway Address can be set for each unit. - Set the Default Gateway Address to the Maintenance port (Y=0XX) when not using VoIPDB. - Set the Default Gateway Address to the VOIP port (Y=1XX) when using VoIPDB.

Continued on next page

No.	Item	Description
(4)	RTP Channel Count selection field	Select the number of RTP channels used on the VoIPDB from a drop-down list for display. <ul style="list-style-type: none"> • Selection range: 16 to 128 (in groups of 16 channels) (default: all channels on the mounted blade 64/128)
(5)	IP Address field	Enter the IP address (RTP) of the VOIP port. <ul style="list-style-type: none"> • 0.0.0.1 to 255.255.255.254 * By the Units to be set, the default of the IP addresses for VOIP (RTP) port when the SV9300 has launched with standard system data are as follows (no data is set when system data/SRAM of the SV9300 is all cleared or the SV9300 is in an off-line state [SENSE switch of the CPU blade is set to “E/F”]). <ul style="list-style-type: none"> - Unit01: 172.16.1.2 - Unit02: 172.16.2.2 - Unit03: 172.16.3.2 - Unit04: 172.16.4.2
(6)	IP Address field	Enter the IP Address (Primary) of the DNS Server (Option (IPv4)). <ul style="list-style-type: none"> • 0.0.0.1 to 255.255.255.254 (default: blank)
(7)		Enter the IP Address (Secondary) of the DNS Server (Option (IPv4)). <ul style="list-style-type: none"> • 0.0.0.1 to 255.255.255.254 (default: blank)
(8)		Enter the Global IP Address of the NAT (Option (IPv4)). <ul style="list-style-type: none"> • 0.0.0.1 to 255.255.255.254 (default: blank)
(9)	[Clear] button	Click to reset the complete set of data to the defaults.

STEP3: Click the [OK] button.

You are directed back to the [Quick Setup] screen. Checked mark appears to the right of button [3].

The IP addresses of maintenance port and VOIP port have now been set.

■ Setting of Numbering Plan (CM20)

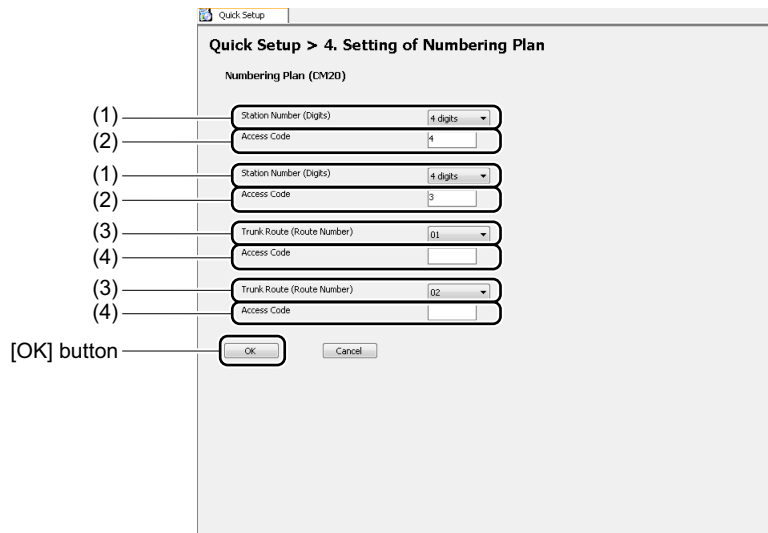
Set a station and trunk route numbering plan in these steps:

STEP1: Click the [4] button in the [Quick Setup] screen.

The [4. Setting of Numbering Plan] screen is displayed in the work window.

STEP2: Set items (1) to (4).

Along with the station and trunk route, you can set two patterns of access number.



No.	Item		Description
(1)	Station	Station Number (Digits) field	Select a station number length. • 1 to 8 digits (default: 4 digits)
(2)		Access Code field	Select a station number access code. • Up to 4 digits [0 to 9, *, #, blank field] (default: upper...4, lower... 3)
(3)	Trunk Route	Trunk Route (Route Number) field	Select a trunk route number. • 00 to 63 (default: upper...01, lower...02)
(4)		Access Code field	Select a trunk route access code. • Up to 4 digits [0 to 9, *, #, blank field] (default: blank field = not set)

STEP3: Click the [OK] button.

You are directed back to the [Quick Setup] screen. Checked mark appears to the right of button [4].

The numbering plan has now been configured.

■ Station Setup (CM05/CM10/CM12/CM77)

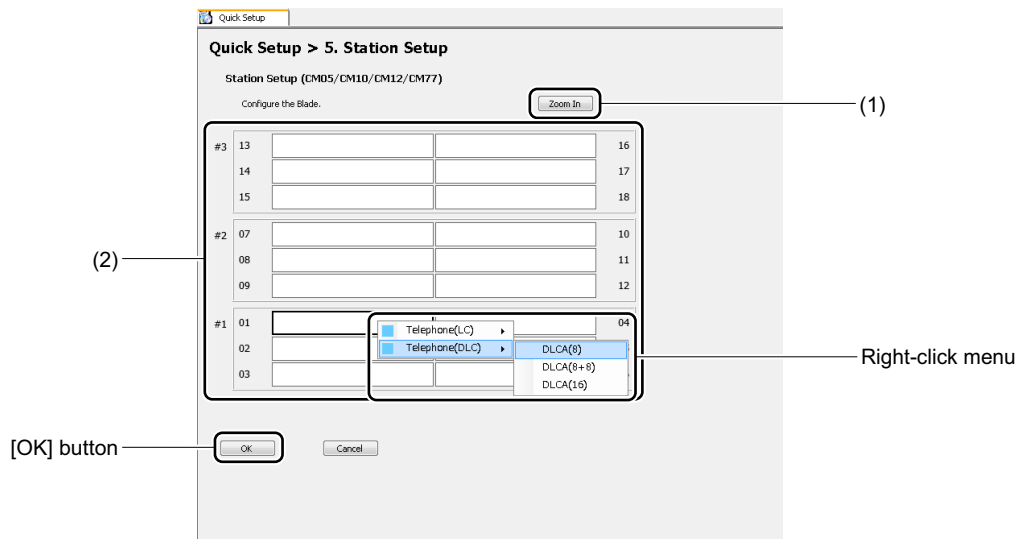
Register LC/DLC blades, and set the station number of a Single Line Telephone or Digital Multiline Terminal and relevant data in these steps:

STEP1: Click the [5] button in the [Quick Setup] screen.

The [5. Station Setup] screen is displayed in the work window.

STEP2: Right-click on the slot in which you are about to register the LC/DLC blade in Blade Display Area.

Right-click menu is displayed.



No.	Item	Description
(1)	[Zoom In] button	Right click to register the selected blade in the Blade Display Area.
(2)	Blade Display Area	Displays the slot configuration of SV9300. Registers the LC/DLC blades on the SV9300.

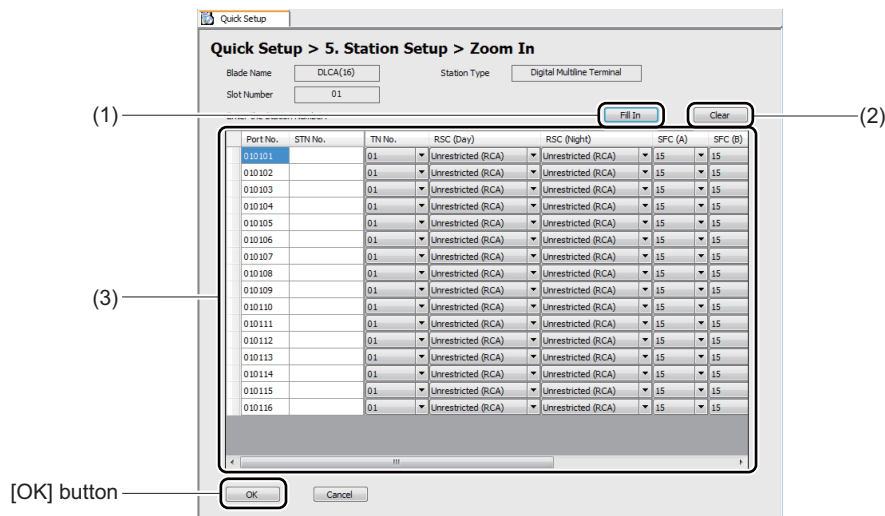
STEP3: Click the LC/DLC blade mounted in the slot in the right-click menu.
The blade name is displayed on the blade in the Blade Display Area.

Right-Click Menu	Description
Telephone (LC)	Choose one of the following combination of LC blades mounted: <ul style="list-style-type: none"> • LC(8+8): GCD-8LCF + GPZ-8LCF/CD-8LCA + PZ-8LCE • LC(8) : GCD-8LCF/CD-8LCA • LC(4+4): GCD-4LCF + GPZ-4LCF/CD-4LCA + PZ-4LCA • LC(4) : GCD-4LCF/CD-4LCA • LC(4+8): GCD-4LCF + GPZ-8LCF/CD-4LCA + PZ-8LCE • LC(8+4): GCD-8LCF + GPZ-4LCF/CD-8LCA + PZ-4LCA
Telephone (DLC)	Choose one of the following combination of DLC blade mounted: <ul style="list-style-type: none"> • DLCA(16) : GCD-16DLCA/GCD-16DLCA-A/CD-16DLCA • DLCA(8+8): GCD-8DLCA + GPZ-8DLCA/CD-8DLCA + PZ-8DLCA • DLCA(8) : GCD-8DLCA/GCD-8DLCA-A/CD-8DLCA
Delete Blade	Click to delete the information about the blade mounted in the slot.

STEP4: Click the [Zoom In] button.

The [5. Station Setup > Zoom In] screen is displayed in the work window.

STEP5: Set item (3).



No.	Item	Description	
(1)	[Fill In] button	<p>Click to apply the settings entered on the first line to other lines as well.</p> <ul style="list-style-type: none"> • STN No. field Station numbers are assigned in sequential numbering from the first line. * Numbers containing * or # cannot be set. Automatic entry stops before first digit of a station number change (example: 3999). • TN No., RFC (Day)/(Night), SFC (A)/(B)/(C) fields: The same values as the first line are set. • Port No. and Name Display fields: Out of the scope of continuous entry. 	
(2)	[Clear] button	Click to initialize the settings to their defaults.	
(3)	System Data Setup Area	Port No. field	Displays the Port number (unit number + slot number + line number) of the line that houses a Single Line Telephone or Digital Multiline Terminal.
		STN No. field	Enter a station number associated with the port number. Up to 8 digits [0 to 9, *, #, blank field] (default: A station number is entered automatically when it is entered according to the numbering plan setting.)
		TN No. field	Select a station tenant number. • 00 to 63 (default: 01)
		RSC (Day)/(Night) field	Select the trunk restriction class of each station: • Unrestricted (RCA)/Non-Restricted 1 (RCB)/Non-Restricted 2 (RCC)/Semi-Restricted 1 (RCD)/Semi-Restricted 2 (RCE)/Restricted 1 (RCF)/Restricted 2 (RCG)/Fully-Restricted (RCH) (default: Unrestricted (RCA))
		SFC (A)/(B)/(C) field	Select the service restriction class A, B or C of each station. • 00 to 15 (default: 15)
		Name Display field	Enter a station name displayed on LCD of the Digital Multiline Terminal. (default: blank) • Up to 16 characters

STEP6: Click the [OK] button.

You are directed back to the [5. Setting of Station] screen.

STEP7: Click the [OK] button.

You are directed back to the [Quick Setup] screen. Checked mark appears to the right of button [5].

The Station has now been configured.

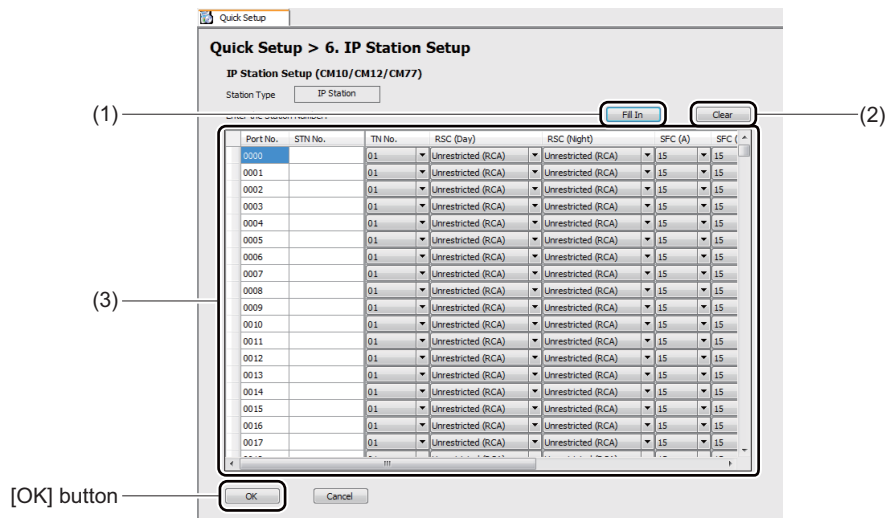
■ IP Station Setup (CM10/CM12/CM77)

Configure the basic settings of the IP Station.

STEP1: Click button [6] in the [Quick Setup] screen.

The [6. IP Station Setup] screen appears in the work window.

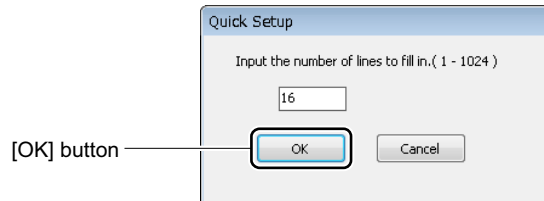
STEP2: Set the items listed in (3).



No.	Item		Description
(1)	[Fill In] button		<p>Click to apply the settings entered on the selected line to other lines as well. For the operating instructions, see “Using the [Fill In] Button”. Page 4-20</p> <ul style="list-style-type: none"> • STN No. field Station numbers are assigned in sequence starting from the one on the selected line. In all cases duplicate station numbers are assigned in sequence. * Numbers containing * or # cannot be set. Before the starting digit of a station number changes, automatic entry stops with the preceding station number (example: 3999). * “F” is automatically added even if the station number that “F” is not added to the lead of station number is entered. • TN No, RSC (Day)/(Night) and SFC (A)/(B)/(C) fields The same values as appearing on the first line are set. • Port No. and Name Display fields Out of the scope of continuous entry.
(2)	[Clear] button		Click to initialize the settings to their defaults.
(3)	System Data Setup Area	Port No. field	Displays the number of the port that houses the IP Station.
STN No. field		Enter a station number associated with the port number (0000 to 1023) according to the numbering plan setting. <ul style="list-style-type: none"> • Up to 8 digits [0 to 9, *, #, blank field] 	
TN No. field		Select a station tenant number. <ul style="list-style-type: none"> • 00 to 63 (default: 01) 	
RSC (Day)/(Night) field		Select the trunk restriction class of each station: <ul style="list-style-type: none"> • Unrestricted (RCA)/Non-Restricted 1 (RCB)/Non-Restricted 2 (RCC)/Semi-Restricted 1 (RCD)/Semi-Restricted 2 (RCE)/Restricted 1 (RCF)/Restricted 2 (RCG)/Fully-Restricted (RCH) (default: Unrestricted (RCA)) 	
SFC (A)/(B)/(C) field		Select the service restriction class A, B or C of each station. <ul style="list-style-type: none"> • 00 to 15 (default: 15) 	
Name Display field		Enter a station name displayed on LCD of the IP Station. (default: blank) <ul style="list-style-type: none"> • Up to 16 characters 	

Tips: *Using the [Fill In] Button*

Click the [Fill In] button to display the dialog box shown below. Enter the number of lines into which station numbers are to be entered continuously into the Line Input field and click the [OK] button.



You are directed back to the [6. Setting of IP Station] screen, and station numbers and relevant data are entered into the second and subsequent lines automatically.

STEP3: Click the [OK] button.

The [Quick Setup] screen appears again, with a check mark to the right of button [6].

The IP Station has now been configured.

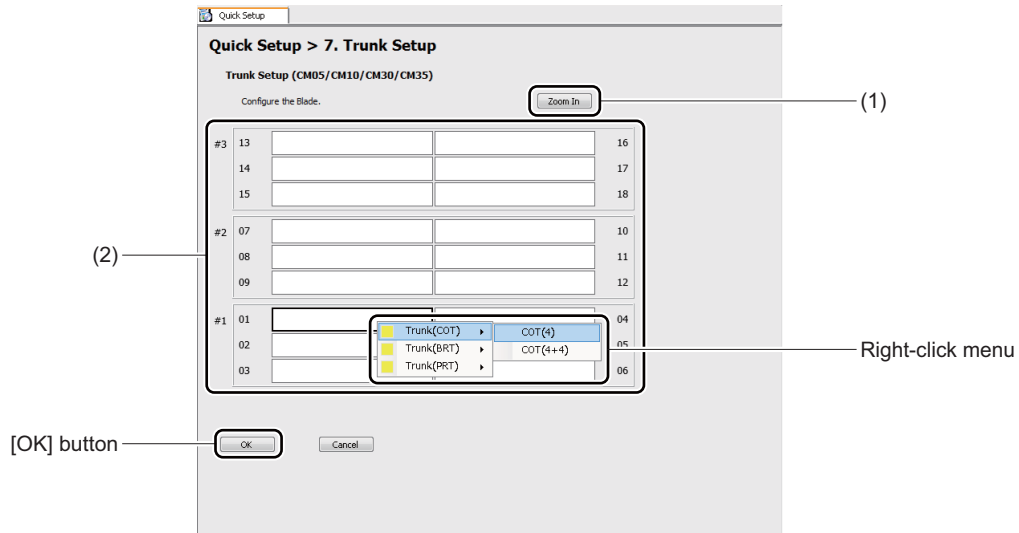
■ Trunk Setup (CM05/CM10/CM30/CM35)

Register a trunk blade and configure relevant trunk data.

STEP1: Click the [7] button in the [Quick Setup] screen.

The [7. Trunk Setup] screen is displayed in the work window.

STEP2: (2) Right-click the slot of the trunk blade to be registered in the Blade Display Area.
Right-click menu is displayed.



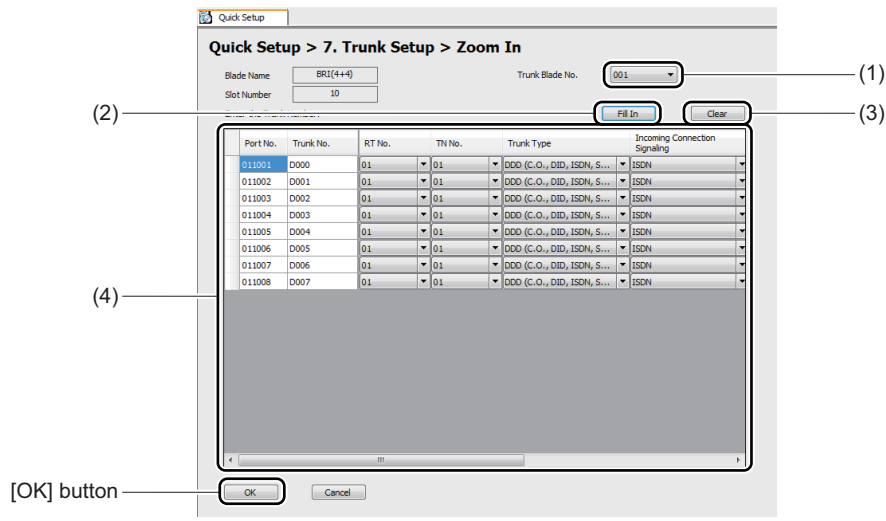
No.	Item	Description
(1)	[Zoom In] button	Click to display a preferences screen for the blade selected in the Blade Display Area.
(2)	Blade Display Area	Displays slot configuration of the SV9300. Registers the trunk blades to the SV9300.

STEP3: On the right-click menu, click the trunk blade mounted in the slot.
The blade name is displayed on the slot in the Blade Display Area.

Right-Click Menu	Description
Trunk (COT)	Choose one of the following combination of COT blade (Central office trunk) mounted: <ul style="list-style-type: none"> • COT(4) : GCD-4COTC/GCD-4COTC-A/GCD-4COTB/ GCD-4COTB-A/GCD-4COTA/CD-4COTC/CD-4COTB/ CD-4COTA • COT(4+4): GCD-4COTC + GPZ-4COTG/GPZ-4COTG-A GCD-4COTC-A + GPZ-4COTE/GPZ-4COTG/ GPZ-4COTG-A GCD-4COTB + GPZ-4COTF/GPZ-4COTF-A GCD-4COTB-A + GPZ-4COTF/GPZ-4COTF-A GCD-4COTA + GPZ-4COTE/GPZ-4COTG-A CD-4COTC + PZ-4COTG/CD-4COTB + PZ-4COTF/ CD-4COTA + PZ-4COTE
Trunk (BRT)	Choose one of the following combination of BRT blade (BRI trunk) mounted: <ul style="list-style-type: none"> • BRI(4) : GCD-2BRIA/CD-2BRIA • BRI(4+4): GCD-2BRIA + GPZ-2BRIA/CD-2BRIA + PZ-2BRIA
Trunk (PRT)	Choose the PRT blade (PRI trunk): <ul style="list-style-type: none"> • PRT: GCD-PRTA/CD-PRTA
Delete Blade	Click to delete the blade information setting in the slot.

STEP4: Click the [Zoom In] button.
The [7. Trunk Setup > Zoom In] screen is displayed in the work window.

STEP5: Set item (4).



No.	Item	Description
(1)	Trunk Blade No. field	<p>Select the trunk blade number.</p> <ul style="list-style-type: none"> • 000-127 * Unassigned trunk blade number is automatically displayed in the Trunk Blade No. field.
(2)	[Fill In] button	<p>Click to apply the settings entered on the first line to other lines as well.</p> <ul style="list-style-type: none"> • Trunk No. field Trunk numbers are assigned in sequence starting from the one on the first line. * Duplicate trunk numbers will be set unconditionally. Correct those numbers to avoid duplication. Entry will stop automatically when the trunk number equals the maximum (511). • RT No. field The same value as that appearing on line 1 is set. * For blades that require a voice channel and a control channel to be routed separately, route numbers are assigned automatically. • TN No./Trunk Type/Incoming Connection Signaling/Terminating System (Day)/(Night) field The same value as that appearing on line 1 is set. • Port No./DIT Destination (Day)/(Night) field Out of the scope of continuous entry.
(3)	[Clear] button	Click to initialize the settings to their defaults.

Continued on next page

No.	Item		Description
(4)	System Data Setup Area	Port No. field	Displays the number of the Port number (unit number + slot number + line number) that houses the trunk.
		Trunk No. field	Enter a trunk number associated with the Port number with three digits. <ul style="list-style-type: none"> • 4 digits ["D" + 000 to 511, blank field] (default: "D" + 000 to 511) * If a number is entered without being prefixed by "D", it is automatically prefixed with "D". If a number is entered with one or two digits, it is also automatically padded with "D00" or "D0". If a four-digit number is entered, it is prefixed with "D" automatically, with the last digit being removed.
		RT No. field	Select a trunk route number according to the numbering plan setting. <ul style="list-style-type: none"> • 00 to 63 (default: 01)
		TN No. field	Select a trunk tenant number. <ul style="list-style-type: none"> • 00 to 63 (default: 01)
		Trunk Type field	Select a trunk type. <ul style="list-style-type: none"> • DDD (C.O., DID, ISDN, SIP) trunk/FX trunk [North America Only]/WATS trunk [North America Only]/CCSA trunk [North America Only]/TIE (Tie line) trunk/Paging Trunk/Not used
		Incoming Connection Signaling field	Select an Incoming Connection Signaling.
		Terminating System (Day)/(Night) field	Select a Terminating System of each station.
		DIT Destination (Day Mode/Night Mode) field	DIT Destination (Day Mode/Night Mode) can be set only when Direct-In Termination is selected at the Terminating System (Day)/(Night) field. <ul style="list-style-type: none"> • Up to 8 digits [A to F, 0 to 9, blank field] (default: blank field) * Displays only when selecting COT blade.

STEP6: Click the [OK] button.

You are directed back to the [7. Setting of Trunk] screen.

STEP7: Click the [OK] button.

You are directed back to the [Quick Setup] screen. Checked mark appears to the right of button [7].

Trunks have now been configured.

■ Finish

Write the system data that has been configured in the [2] to [7] screens to the SV9300 in these steps:

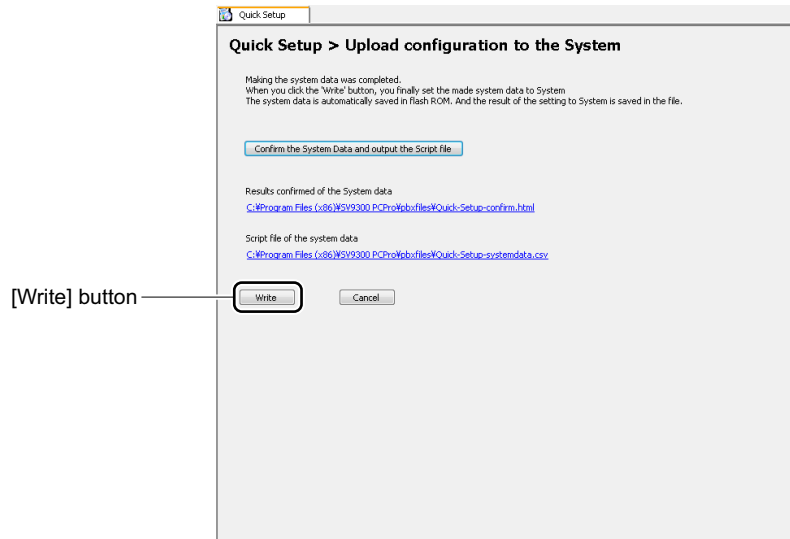
STEP1: Click the [Completion] button in the [Quick Setup] screen.

The [Upload configuration to the System] screen is displayed in the work window.

[Confirm the System Data
and output the Script
file] button

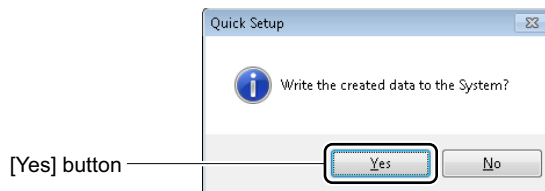


STEP2: Click the [Confirm the System Data and output the Script file] button.
A listing of the settings completed by Quick Setup is saved to a file in the HTML format. You can open the “Quick-Setup-confirm.html” to verify the setting, which displays a save destination on the screen. As for the details of setting data, refer to the “Command Manual”.



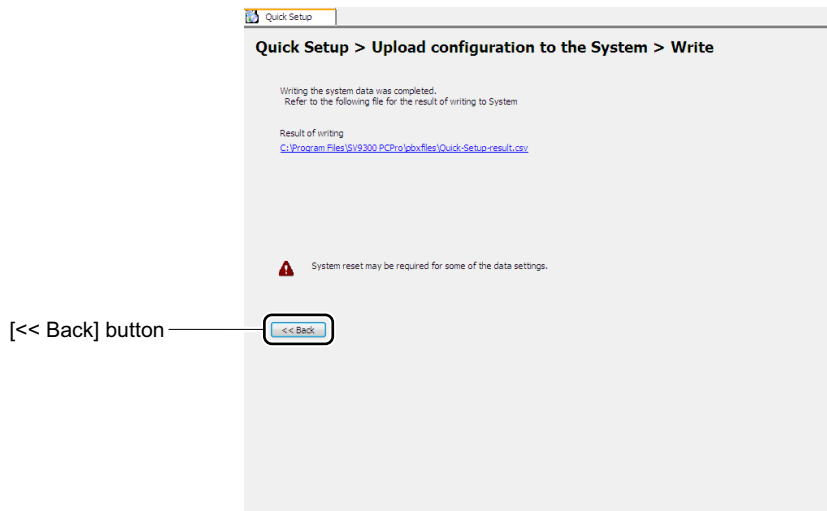
STEP3: Click the [Write] button.
A confirm dialog box is displayed, asking confirmation to write system data to the SV9300.

STEP4: Click the [Yes] button.



After the system data has been written to the SV9300, it is saved in flash ROM and the [Quick Setup > Upload configuration to the System > Write] screen appears.

STEP5: Click the [<< Back] button.



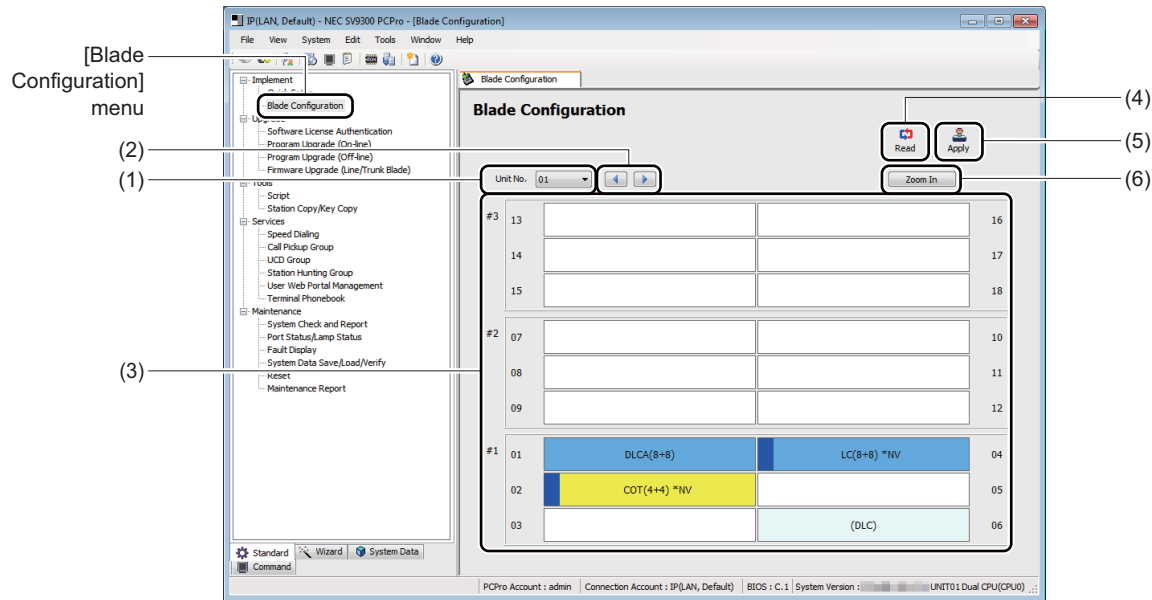
You are directed back to the [Quick Setup] screen.
Checked mark appears to the left of [Completion] button.

The system data has now been written to the SV9300. Quick Setup is complete.

Blade Configuration

The [Blade Configuration] menu lets you register additional blades, update data on pre-registered data, delete blade information and so on for each Unit. One of the following action will display the [Blade Configuration] screen in the work window:

- Click submenu [Blade Configuration] in Standard Mode.
- On the Main Menu, click [Edit] > [Blade Configuration] in this order.



No.	Item	Description
(1)	Unit No. field	Select the unit number of the SV9300 from which you want to read information. <ul style="list-style-type: none"> • 01 to 50 (default: 01)
(2)	[Change Unit Number] buttons	Click to change the number entered in the Unit No. field. <ul style="list-style-type: none"> • [Previous] button: Decrement the number by one. • [Next] button: Increment the number by one.

Continued on next page

No.	Item	Description
(3)	Blade Display Area	<p>View this area to confirm blade mounted in the individual slots in the SV9300 or register new blade. Blade names marked in different colors by blade type and a clock source status are displayed.</p> <p><Blade Name></p> <ul style="list-style-type: none"> • Station blade : Light blue • Trunk blade : Light yellow • Other blades : Light red • Blade without set system data : White <p>* As for the indication on the Blade Display Area when blades for SV8300 are mounted, refer to the “Indication When Blades for SV8300 Are Mounted”. ☞ Page 4-32</p> <p><Clock Source Status></p> <ul style="list-style-type: none"> • Sync.(1st) : The blade is set to the first priority blade to receive the synchronization signal. • Sync.(1st) Synchronized : The blade is set to the first priority blade to receive the synchronization signal and the blade is synchronized. • Sync.(2nd) : The blade is set to the second priority blade to receive the synchronization signal. • Sync.(2nd) Synchronized: The blade is set to the second priority blade to receive the synchronization signal and the blade is synchronized. <p>* The clock source supports only for BRT/PRT/CCT/DTI blade.</p>
(4)	[Read] button	Click to read blade information from the SV9300 having its unit number specified in the Unit No. field.
(5)	[Apply] button	Click to write edited data to the SV9300.
(6)	[Zoom In] button	Click to display a preferences screen for the blade selected in the Blade Display Area.

Tips 1: *When Confirming the Operation Status for Each Blade*

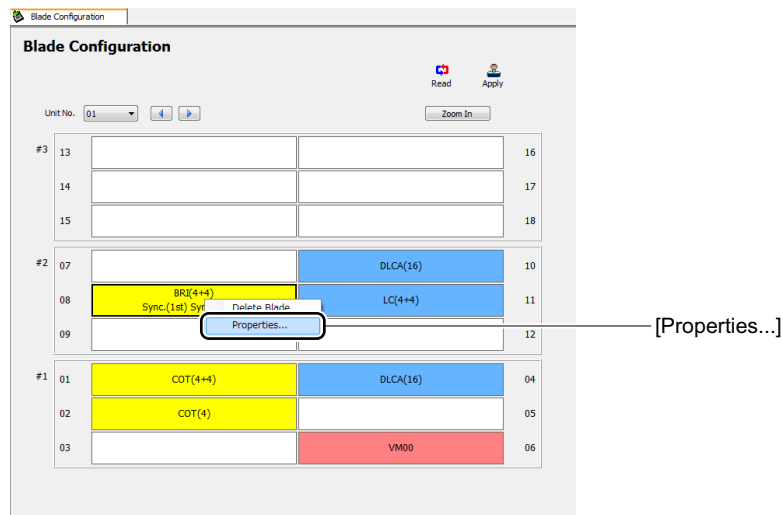
You can confirm the operation status for each blade by the [Blade LED Status] screen of the Port Status/Lamp Status menu. [Page 4-262](#)

To display the [Blade LED Status] screen, do the following operation.

1. Right-click the slot for the appropriate blade in the Blade Display Area.
2. Click [Properties...] on the right-click menu.

The [Blade LED Status] screen is displayed.

NOTE: When connecting with Virtual PBX, the Port Status/Lamp Status menu is not displayed. For this reason, [Delete Blade] is displayed on the right-click menu, however, [Properties...] is not.



Tips 2: *Concerning Displayed Blade Information*

- When the blade names are displayed as follows, they mean that the appropriate blades are mounted in slots and also system data is correctly assigned.

Example: COT(4), LC(8+8), DIOP(LD), PRT and others

* Numeric values such as (4) and (8+8) displayed with the blade name mean the number of available ports of the mounted blade. For example, LC(8+8) means that the LC blade with capacity of 16 ports is mounted.

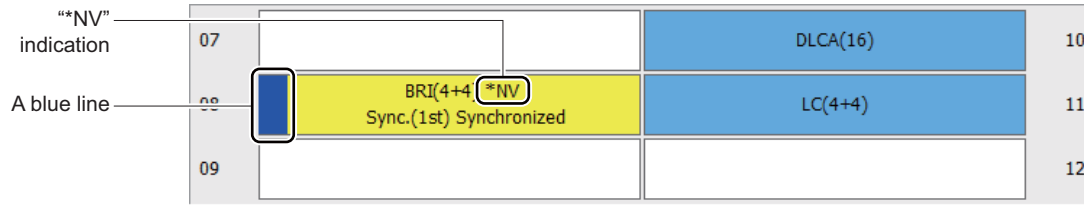
- When the blade name is displayed in brackets or “!” mark is displayed in front of the blade name, they mean the following states.

- When displayed in brackets : The system data for the appropriate blade has been assigned. However, the blade is not mounted in the Slot.
Example: (DLC), (COT), (DIOP(LD))

- When displayed with “!” mark: The system data for the appropriate blade has been assigned. However, the blade which differs from the assigned system data is mounted in the Slot.
Example: ! DLC, ! COT, ! DIOP(LD)

Tips 3: Indication When Blades for SV8300 Are Mounted

When blades for SV8300 are mounted, a blue line on the left side of the blade display and “*NV” at the end of the blade name appear as follows.



■ Registering Additional Blades

To register an additional blade, follow these steps:

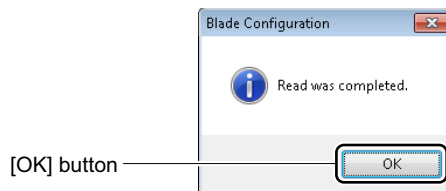
STEP1: Select a unit number in Unit No. field.

STEP2: Click [Read] button.

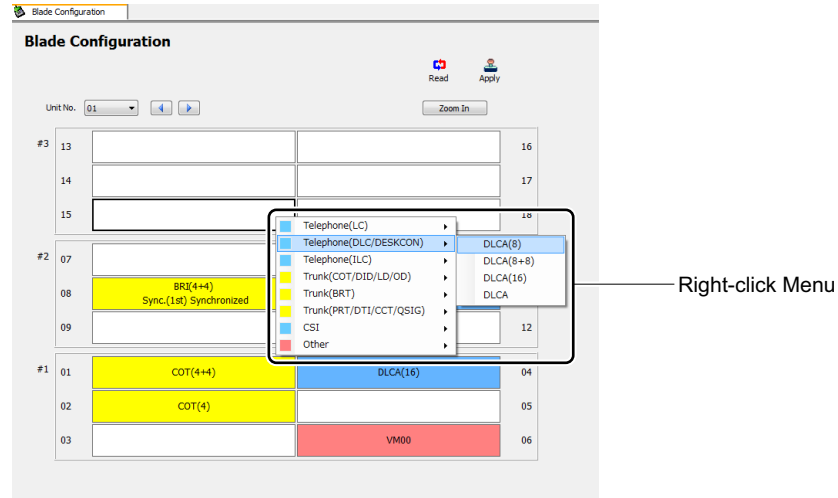
A screen is displayed to notify the completion of the data read process.

Blade information is read from the SV9300 having the unit number specified in the Unit No. field, and information about the blades mounted in the SV9300 is displayed in the Blade Display Area of the [Blade Configuration] screen.

STEP3: Click the [OK] button.



STEP4: Right-click on the vacant slot on which you want to register an additional blade in Blade Display Area.
Right-click menu is displayed.



STEP5: On the right-click menu, click the blade mounted in the slot in the SV9300.
The blade name is displayed on the corresponding slot in the Blade Display Area.

Right-Click Menu	Description
Telephone (LC)	<p>Choose one of the following combination of LC blade mounted:</p> <ul style="list-style-type: none"> LC(4+4) : GCD-4LCF + GPZ-4LCF/CD-4LCA + PZ-4LCA LC(4) : GCD-4LCF/CD-4LCA LC(4+8) : GCD-4LCF + GPZ-8LCF/CD-4LCA + PZ-8LCE LC(8+4) : GCD-8LCF + GPZ-4LCF/CD-8LCA + PZ-4LCA LC(8+8) : GCD-8LCF + GPZ-8LCF/CD-8LCA + PZ-8LCE LC(8) : GCD-8LCF/CD-8LCA DIOP(LLC): GCD-4DIOPA/GCD-4DIOPB/CD-4DIOPA/CD-4DIOPB
Telephone (DLC/DESKCON)	<p>Choose one of the following combination of DLC blade mounted:</p> <ul style="list-style-type: none"> DLCA(16) : GCD-16DLCA/GCD-16DLCA-A/CD-16DLCA DLCA(8+8) : GCD-8DLCA + GPZ-8DLCA/CD-8DLCA + PZ-8DLCA DLCA(8) : GCD-8DLCA/GCD-8DLCA-A/CD-8DLCA
Telephone (ILC)	<p>Choose one of the following combination of BRT blade (ILC):</p> <ul style="list-style-type: none"> ILC(2+2) : GCD-2BRIA + GPZ-2BRIA/CD-2BRIA + PZ-2BRIA ILC(2) : GCD-2BRIA/CD-2BRIA

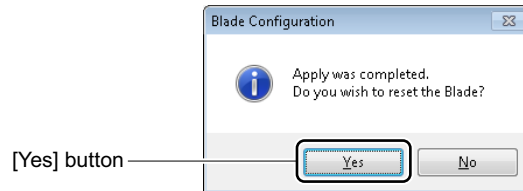
Continued on next page

Right-Click Menu	Description
Trunk (COT/DID/LD/OD)	<p>Choose one of the following combination of COT blade (Central office trunk) or DIOP/ODT blade (analog leased line trunk) mounted:</p> <ul style="list-style-type: none"> • COT(4+4) : GCD-4COTC + GPZ-4COTG/GPZ-4COTG-A GCD-4COTC-A + GPZ-4COTE/GPZ-4COTG/ GPZ-4COTG-A GCD-4COTB + GPZ-4COTF/GPZ-4COTF-A GCD-4COTB-A + GPZ-4COTF/GPZ-4COTF-A GCD-4COTA + GPZ-4COTE/GPZ-4COTG-A CD-4COTC + PZ-4COTG/CD-4COTB + PZ-4COTF/ CD-4COTA + PZ-4COTE • COT(4) : GCD-4COTC/GCD-4COTC-A/GCD-4COTB/ GCD-4COTB-A/GCD-4COTA/CD-4COTC/CD-4COTB/ CD-4COTA • ODT(4) : GCD-4ODTA/GCD-4ODTB/CD-4ODTA • DIOP(DID): GCD-4DIOPA/GCD-4DIOPB/CD-4DIOPA/CD-4DIOPB • DIOP(LD) : GCD-4DIOPA/GCD-4DIOPB/CD-4DIOPA/CD-4DIOPB
Trunk (BRT)	<p>Choose one of the following combination of BRT blade (BRI trunk) mounted:</p> <ul style="list-style-type: none"> • BRI(4+4): GCD-2BRIA + GPZ-2BRIA/CD-2BRIA + PZ-2BRIA • BRI(4) : GCD-2BRIA/CD-2BRIA
Trunk (PRT/DTI/CCT/QSIG)	<p>Choose one of the following combination of PRT blade (PRI trunk) or DTI/CCT blade (digital leased line /No.7 common signaling network trunk):</p> <ul style="list-style-type: none"> • PRT : GCD-PRTA/CD-PRTA • CCT : GCD-CCTA/CD-CCTA • CCT(E1): GCD-CCTA/CD-CCTA • DTI (T1): GCD-PRTA/CD-PRTA • QSIG : GCD-PRTA/CD-PRTA • DTI(E1) : GCD-PRTA/CD-PRTA
CSI	<p>Choose the CSI blade mounted:</p> <ul style="list-style-type: none"> • CSIB *NV: CD-4CSIB/CD-4CSIB-A
Others	<p>Choose the VM00 blade or PVA blade mounted:</p> <ul style="list-style-type: none"> • VM00: GCD-VM00/CD-VM00 • PVA : GCD-PVAA/CD-PVAA • RGA : GCD-RGA/CD-RGA

STEP6: Click the [Apply] button.

A dialog box appears to let you know the blade reset when selecting a blade required the blade reset.

STEP7: Click the [Yes] button.



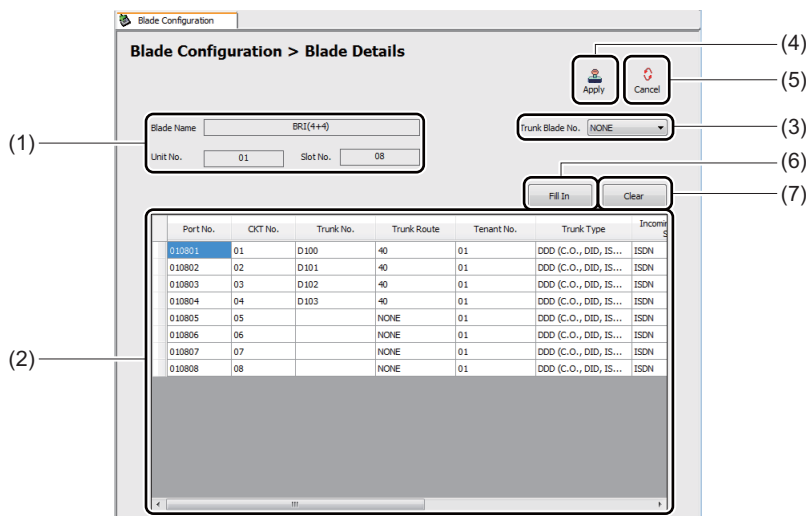
STEP8: Select a registered blade and click the [Zoom In] button or double-click the slot.

A dialog box appears to let you know when the data read is complete. PCPro reads detailed information from the SV9300 and displays a [Blade Configuration] screen in the work window.

STEP9: Click the [OK] button.

STEP10: Set item (2).

Click the [Fill In] button after entering the data on the first line, it is useful to set the necessary items.



No.	Item	Description
(1)	Blade information display area	Displays the name of the blade which detailed data is configured, the blade number and the number of the slot in which it is mounted.

Continued on next page

No.	Item		Description
(2)	System data setup area (for station blades)	Port No.	Displays the number of port that houses a Single Line Telephone or Multiline Terminal (unit number + slot number + line number).
		CKT No. field	Displays the line number on the blade.
		Station Number field	Enter an station number associated with the Port number and line number according to the numbering plan setting. • Up to 8 digits [0 to 9, *, #, blank field] (default: blank field)
		Name Display field	Enter a station name displayed on LCD of the Multiline Terminal. (default: blank) • Up to 16 characters
		Tenant No. field	Select a station tenant number. • 00 to 63 (default: 01)
		RSC (Day)/(Night) field	Select the trunk restriction class of each station: • Unrestricted (RCA)/Non-Restricted 1 (RCB)/Non-Restricted 2 (RCC)/Semi-Restricted 1 (RCD)/Semi-Restricted 2 (RCE)/Restricted 1 (RCF)/Restricted 2 (RCG)/Fully-Restricted (RCH) (default: Unrestricted (RCA))
		SFC (A)/(B)/(C) field	Select the service restriction class A, B or C of each station. • 00 to 15 (default: 15)
	System data setup area (for trunk blades)	Port No.	Displays the number of port that houses the trunk.
		CKT No. field	Displays the line number on the blade.
		Trunk Number field	Enter a trunk number associated with the port numbers with three digits. • 4 digits ["D" + 000 to 511, blank field] (default: blank field)
		Trunk Route field	Select a trunk route number according to the numbering plan setting. • 00 to 63 (default: 01)
		Tenant No. field	Select a trunk tenant number. • 00 to 63 (default: 01)

Continued on next page

No.	Item	Description	
(2)	System data setup area (for trunk blades)	Trunk Type field	Select a trunk kind. <ul style="list-style-type: none"> • DDD (C.O., DID, ISDN, SIP) trunk/FX trunk [North America Only]/WATS trunk [North America Only]/CCSA trunk [North America Only]/TIE (Tie line) trunk/Paging Trunk/Not used
		Incoming Connection Signaling field	Select an Incoming Connection Signaling.
		Terminating System (Day)/(Night) field	Select a Terminating System of each station.
		DIT Destination (Day)/(Night) field	DIT Destination (Day Mode/Night Mode) can be set only when Direct-In Termination is selected at the Terminating System (Day)/(Night) field. <ul style="list-style-type: none"> • Up to 8 digits [A to F, 0 to 9, blank field] (default: blank field) * Displays only when selecting COT blade.
(3)	Trunk Blade No. field	Select the trunk blade number. <ul style="list-style-type: none"> • 000 to 127, NONE (No data) (default: NONE) 	
(4)	[Apply] button	Click to write the detailed data settings to the SV9300.	
(5)	[Cancel] button	Click to return to the [Blade Configuration] screen without writing the detailed data settings to the SV9300.	

Continued on next page

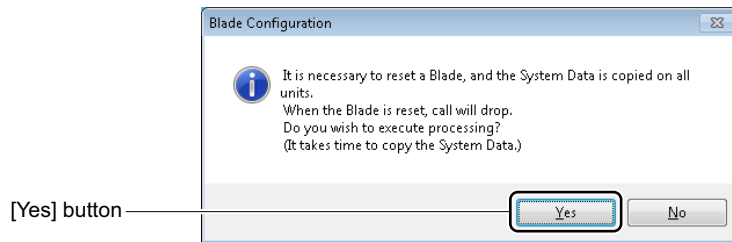
No.	Item	Description
(6)	[Fill In] button (for station blades)	<p>Click to apply the settings entered on the first line to other lines as well.</p> <ul style="list-style-type: none"> • Station number field Numbers are assigned in sequence starting from the one on the first line. * Numbers containing * or # cannot be set. Automatic entry stops before the first digit of a station number change (example: 3999). • Tenant No./RSC (Day)/(Night)/SFC (A)/(B)/(C) fields The same value as that appearing on line 1 is set. • Port No./CKT No./Name Display fields Out of the scope of continuous entry.
	[Fill In] button (for trunk blades)	<p>Click to apply the settings entered on the first line to other lines as well.</p> <ul style="list-style-type: none"> • Trunk number field Numbers are assigned in sequence starting from the one on the first line. * Entry will stop automatically when the trunk number equals the maximum (511). • Trunk Route/Tenant No./Trunk Type/Incoming Connection Signaling/Terminating System (Day)/(Night) fields The same value as that appearing on line 1 is set. • Port No./CKT No./DIT Destination (Day Mode/Night Mode) fields Out of the scope of continuous entry.
(7)	[Clear] button	Click to initialize the settings to their defaults.

STEP11: Click the [Apply] button.

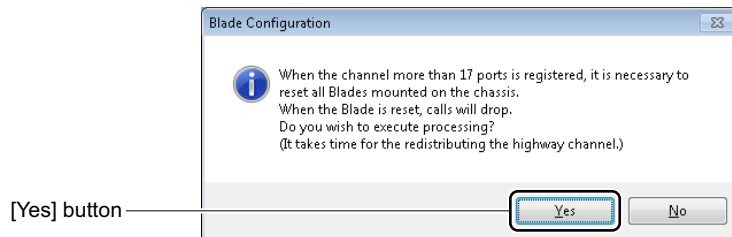
The settings are written to the SV9300, and you are directed back to the [Blade Configuration] screen. The slots in which additional blades are mounted are checked.

The following dialog boxes are displayed in accordance with the assigned blade after clicking the [Apply] button.

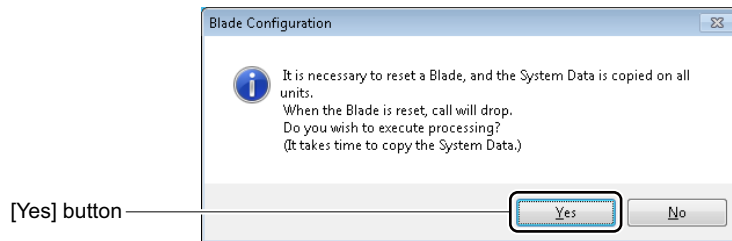
- LC/LLC/DLC/DESKCON/COT/DID/LD/OD/CSI/VM00/PVA



- PRT/DTI/CCT/QSIG/RGA

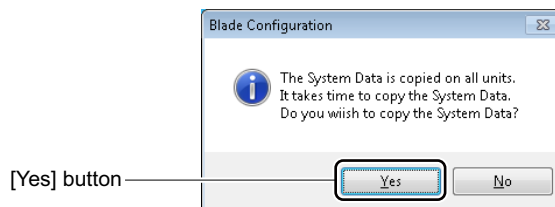


- BRT/ILC



STEP12: Click the [Yes] button.

- * For PRT/DTI/CCT/QSIG, the following dialog box is displayed after clicking the [Yes] button. Then click the [Yes] button.



Additional blades have now been registered.

■ Deleting Blade Information

To delete information about a blade registered in the SV9300, follow these steps:

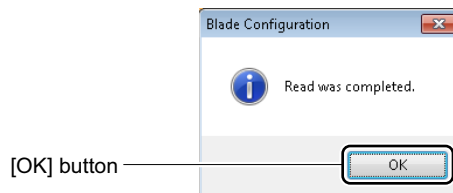
STEP1: Select a unit number in Unit No. field.

STEP2: Click the [Read] button.

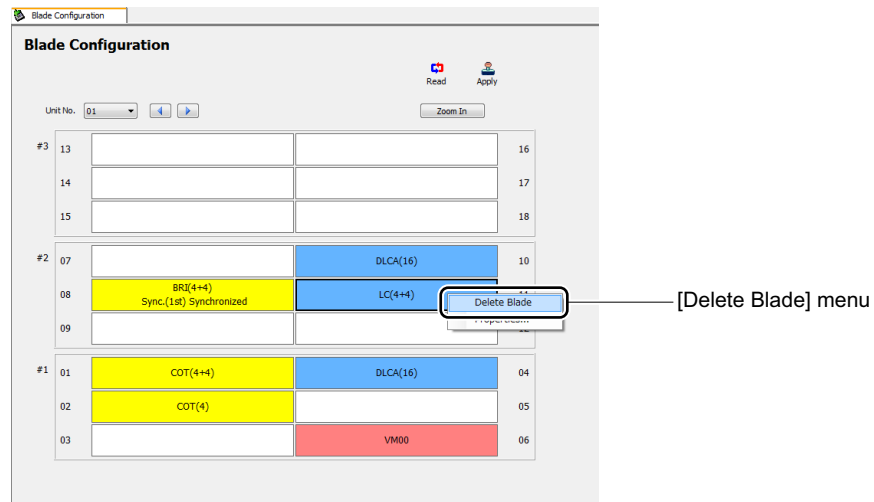
A screen is displayed to notify the completion of the data read process.

Blade information is read from the SV9300 having the unit number specified in the Unit Number field, and information about the blades mounted in the SV9300 is displayed in the Blade Display Area of the [Blade Configuration] screen.

STEP3: Click the [OK] button.



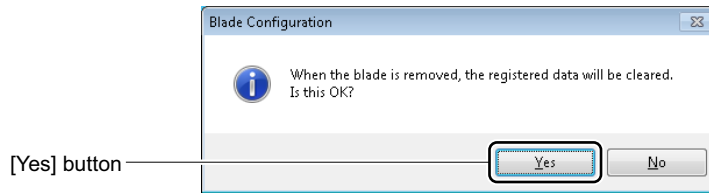
STEP4: Right-click the slot you want to delete blade information from in Blade Display Area. [Delete Blade] menu is displayed.



STEP5: Click [Delete Blade] on the right-click menu.

A dialog box is displayed to confirm the deletion of the blade information.

STEP6: Click the [Yes] button.



When the deletion of the blade information for the appropriate slot is completed, a dialog box is displayed to notify the completion of the process.

STEP7: Click the [OK] button.



NOTE: *By now, all blade information has been deleted, including the information registered in the [Blade Configuration] screen.*

Blade information has now been deleted.

[Upgrade] Category

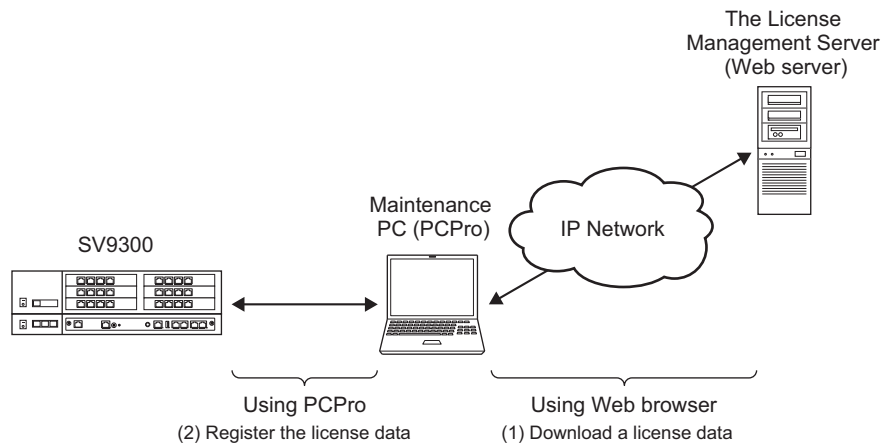
The [Upgrade] Category has three submenus:

- Software License Authentication
- Program Upgrade (On-line) [Page 4-61](#)
- Program Upgrade (Off-line) [Page 4-73](#)
- Firmware Upgrade (Line/Trunk Blade) [Page 4-77](#)

Software License Authentication

The SV9300 requires you to complete a software license authentication procedure using PCPro before you can use its functions. Follow these steps:

- (1) Access the License Management Server (Web server) to download a license data file (*.lic2: all Software Key Codes and Activation Codes are included) on the basis of the Software Key Code found in the license sheet supplied with the product.
- (2) Register the downloaded license data file from PCPro onto the SV9300.



NOTE: When registering a license data by One-Step Registration, delete the all registered license data before registering the license data.

Software license authentication is carried out on the [Software License Authentication] menu. This menu allows you to register and unregistered software licenses. You can also view the license data registered in the SV9300.

- Registering a Software License by One-Step Registration [Page 4-45](#)
- Verifying a Software License [Page 4-49](#)
- Deleting a Software License [Page 4-52](#)

Tips: *Register a Temporary Activation Code*

When replacing the CPU blade due to the breakdown of current CPU blade and others, register a temporary Activation Code of the current CPU blade to run the SV9300 temporarily until an Activation Code of the new CPU blade is obtained from the License Management Server.

[Page 4-55](#)

NOTE 1: *Perform software license authentication on the SV9300 with unit number 01.*

NOTE 2: *Be sure to carry out the software license authentication procedure. Running the system without first performing the software license authentication procedure might result in the occurrence of alarms, disable functions of key importance to the system or other otherwise the successful system operations unpredictable.*

NOTE 3: *Establish a communication link with the SV9300 before proceeding with software license authentication.*

For how to establish a communication link, refer “Establishing a Link”. [Page 2-16](#)

If the communication link with the SV9300 is cleared, only the following functions are operable:

- License data verification
- Access to the Software License Authentication Center

NOTE 4: *Internet access is required to download a license data file (*.lic2).*

NOTE 5: *When using the SV9300 with Dual CPU, the Software License Authentication must be executed to the Dual CPU (CPU0). When the Dual CPU (CPU1) is in a ACT state, be sure to switch to the Dual CPU (CPU0) before doing the this procedures.*

NOTE 6: *In software license registrations (the software license registration or the Activation Code registration), there are licenses requiring the system reset after license registrations. The system reset is not required when registering the following software licenses. In this case, connect the appropriate device to SV9300 after the software license registration. The system reset is required when registering other software licenses. In this case, set the appropriate system data before executing the system reset.*

- *PORT Capacity*
- *D^{term}IP/DT700/DT800 Series*
- *Soft Phone (D^{term}SP30/SP350)*
- *Soft Phone ACD (D^{term}SP30/SP350)*
- *Remote Unit*
- *Standard SIP Terminal*
- *Embedded Conference*

■ Registering a Software License by One-Step Registration

When registering a software license by “One-Step Registration”, register the software license according to the following procedures.

1. Obtain license data file

Access the License Management Server to download a license data file (*.lic2: all Software Key Codes and Activation Codes are included) on the basis of the Software Key Code found in the license sheet supplied with the product.

2. Register license data file

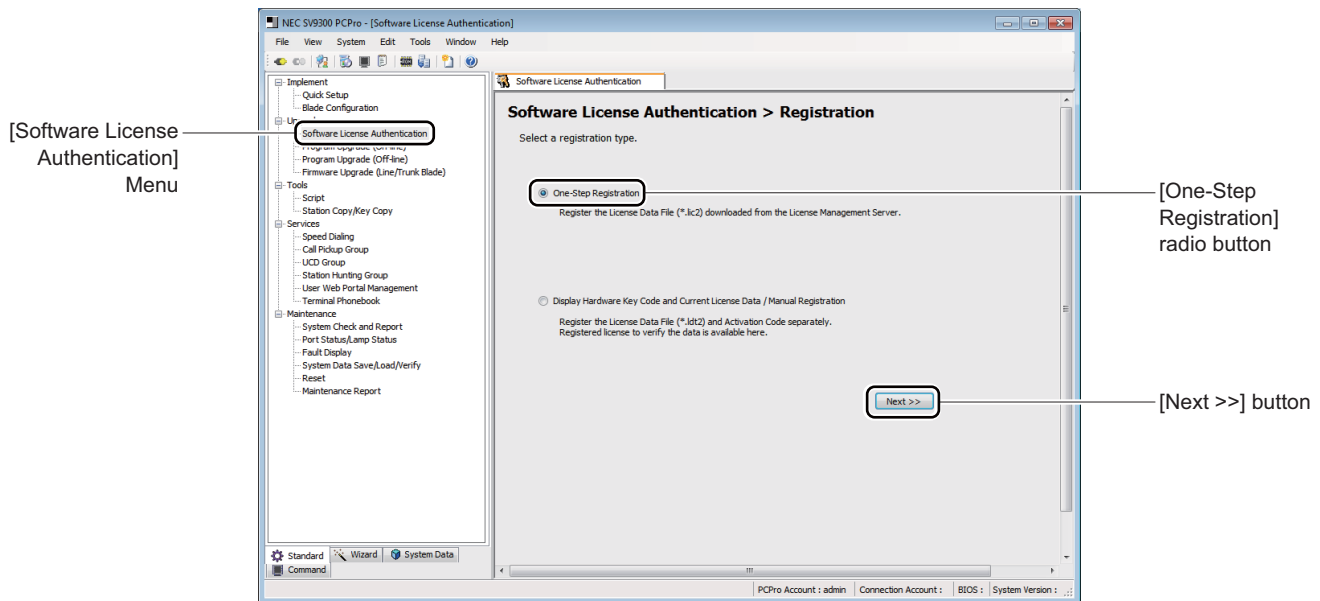
Register the downloaded license data file from PCPro onto the SV9300. [Page 4-45](#)

<Registering License Data File>

STEP1: Take one of these actions:

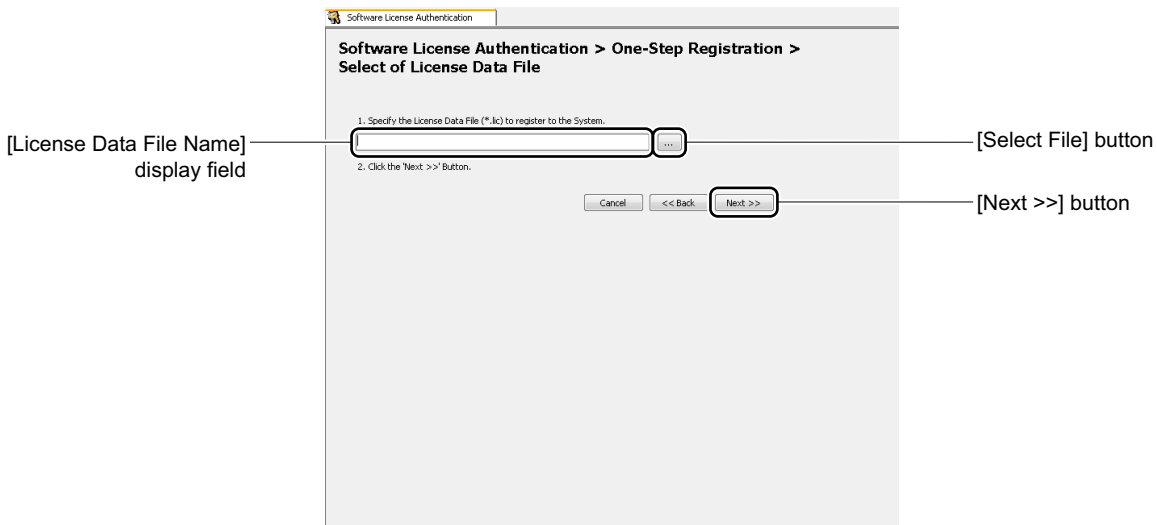
- Click submenu [Software License Authentication] in Standard Mode.
- On the Main Menu, click [System] > [Software License Authentication] in this order. The [Registration] screen is displayed in the work window.

STEP2: Select the [One-Step Registration] radio button and click the [Next >>] button.



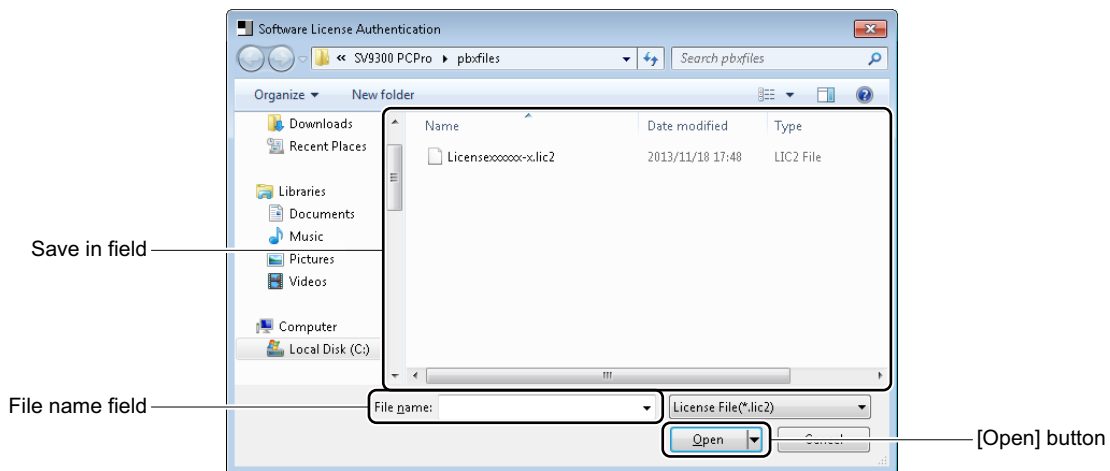
The [Selection of License Data File] screen is displayed.

STEP3: Click the [Select File] button.



A dialog box is displayed to specify the file name and folder.

STEP4: Specify the folder of the file name where the downloaded license data file is saved, and click the [Open] button.



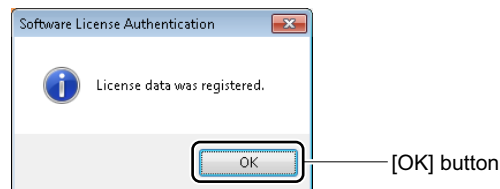
You are directed back to the [Select of License Data File] screen, showing where the license data is stored and the file name in the License Data File Name field.

No.	Item	Description
(2)	System Version License Information	Displays information included-in the license data. <ul style="list-style-type: none">• License data name• Software key code• Time and Date of File Preparation• Order number• Name/Comment
(3)	Capacity/Function/Terminal License	Displays information included-in the license data. <ul style="list-style-type: none">• License data name• Software key code• Time and Date of File Preparation• Order number• Name/Comment

STEP7: Click the [Register] button.

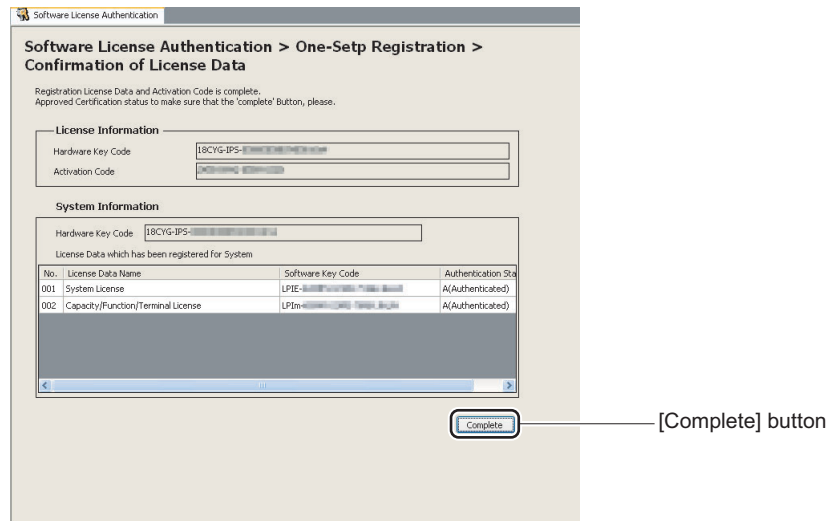
A dialog box is displayed to notify the completion of the license data registration.

STEP8: Click the [OK] button.



The license data is registered onto the SV9300 and the [Confirmation of License Data] screen is displayed.

STEP9: Click the [Complete] button.



You are directed back to the [Registration Type Select] screen.

The software license registration process is completed.

■ Verifying a Software License

To verify the license data registered in the SV9300, follow these steps:

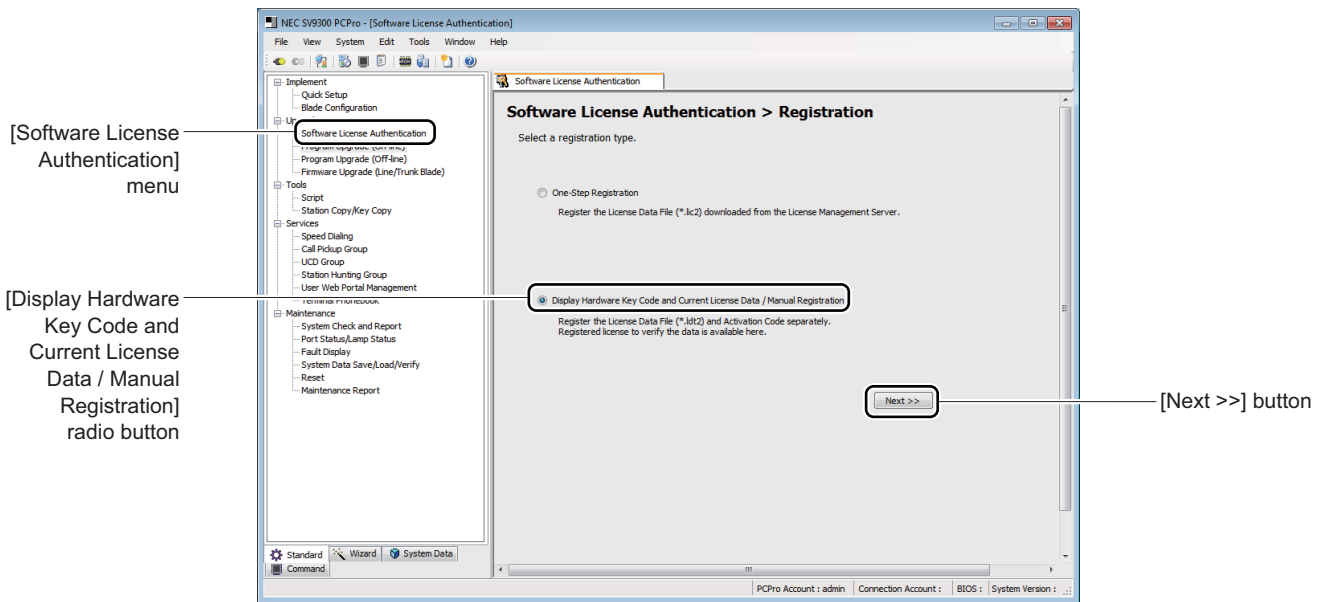
NOTE: *When the Dual CPU (CPU1) is in a ACT state, any license information is not displayed on the [Confirmation of License Data] screen (switch to the Dual CPU (CPU0) to confirm the license information).*

STEP1: Take one of these actions:

- Click submenu [Software License Authentication] in Standard Mode.
- On the Main Menu, click [System] > [Software License Authentication] in this order.

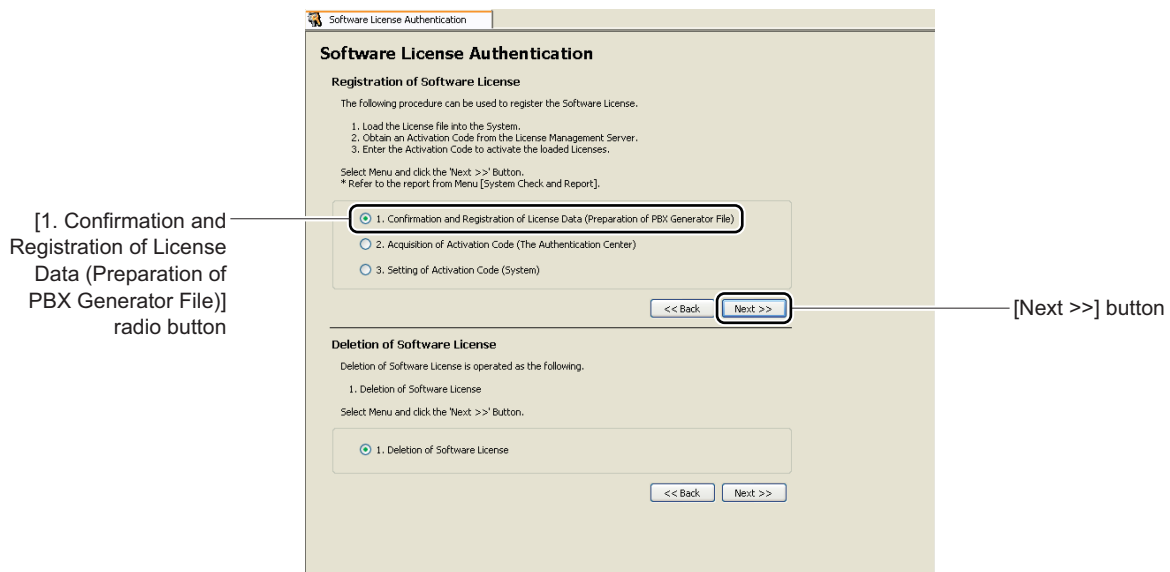
The [Software License Authentication] screen is displayed in the work window.

STEP2: Select the [Display Hardware Key Code and Current License Data / Manual Registration] radio button and click the [Next >>] button.



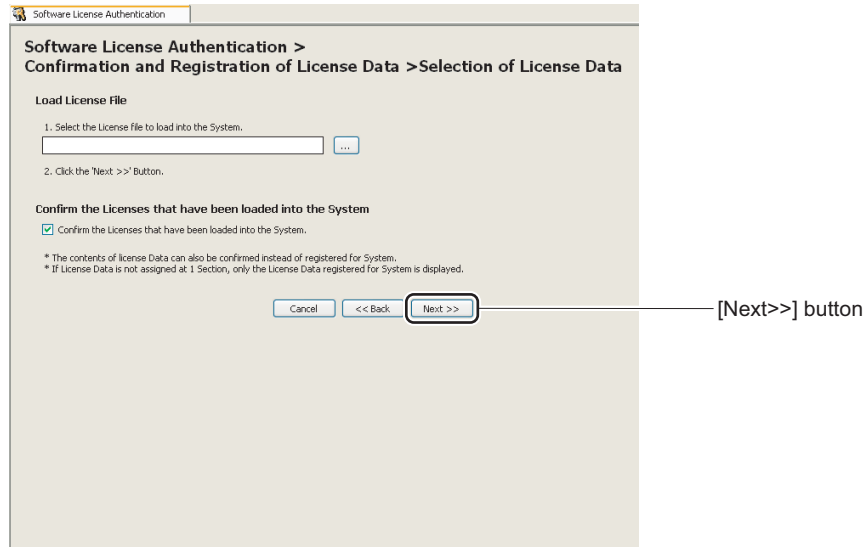
The [Software License Authentication] screen is displayed.

STEP3: Select the [1. Confirmation and Registration of License Data (Preparation of PBX Generator File)] radio button and click the [Next >>] button.



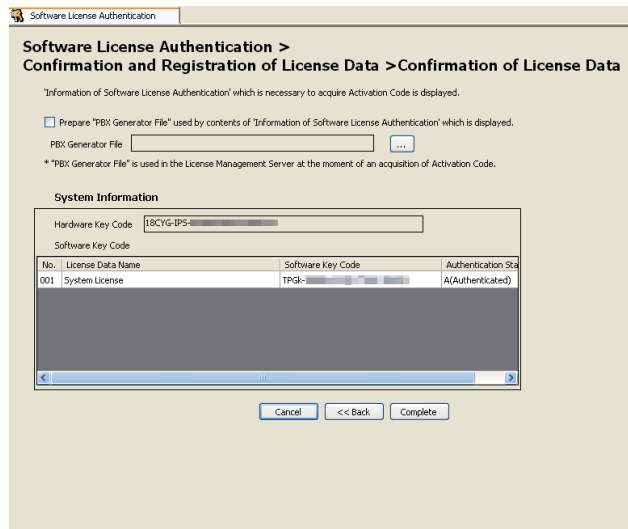
The [Selection of License Data] screen is displayed.

STEP4: Click the [Next >>] button.



The [Verification of License Data] screen is displayed.

STEP5: Verify the pre-registered license data displayed in the System Information field.



STEP6: Click the [Complete] button.

You are directed back to the [Software License Authentication] screen.

The license data has now been verified in the SV9300.

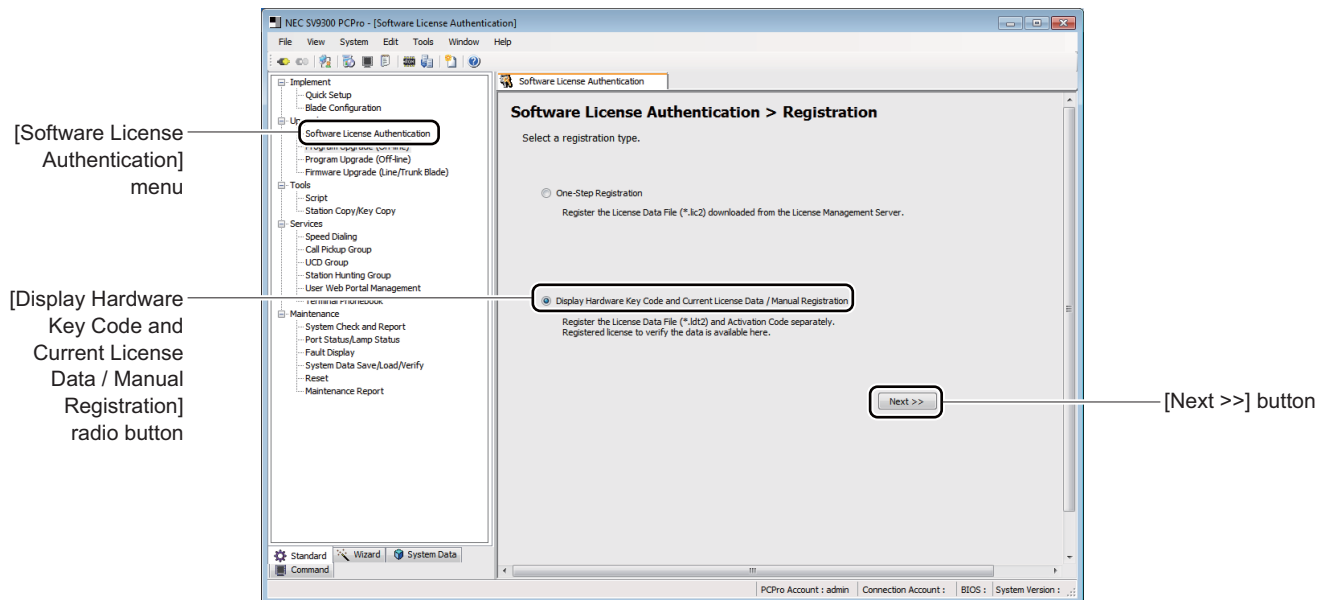
■ Deleting a Software License

To delete the license data registered in the SV9300, follow these steps:

NOTE: *All license data is deleted at once, it cannot be selectively deleted.*

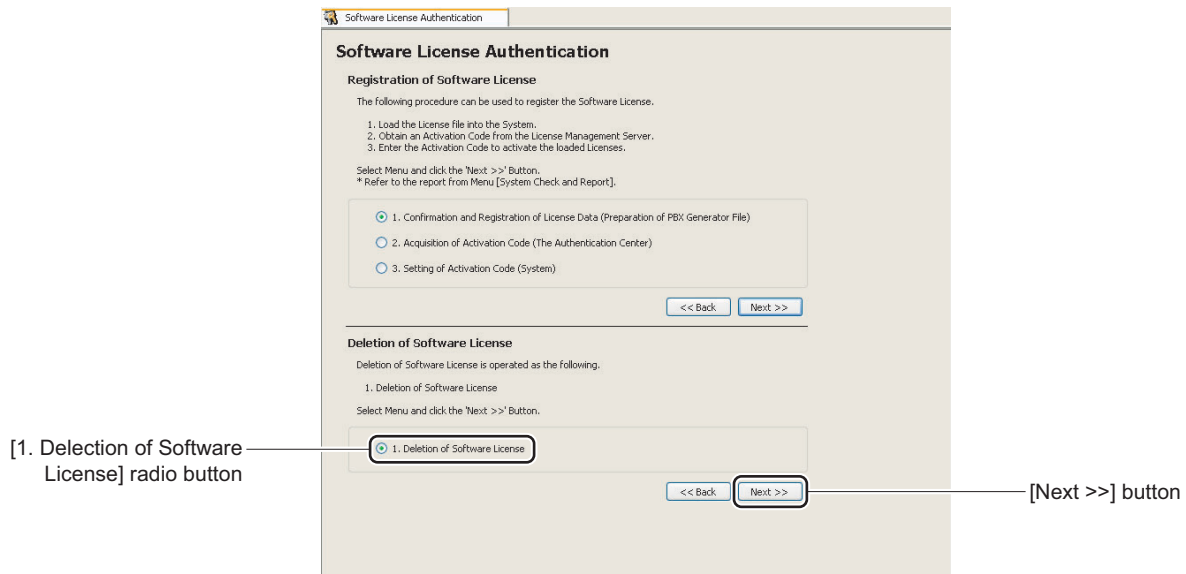
STEP1: Click the submenu [Software License Authentication] in Standard Mode.
The [Registration] screen is displayed in the work window.

STEP2: Select the [Display Hardware Key Code and Current License Data / Manual Registration] radio button and click the [Next >>] button.



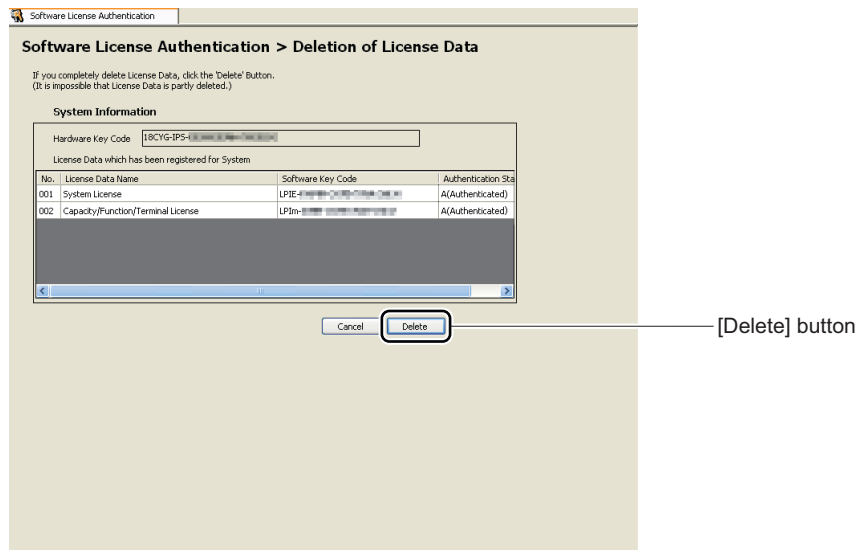
The [Software License Authentication] screen is displayed.

STEP3: Check the [1. Deletion of Software License] radio button and click the [Next >>] button.



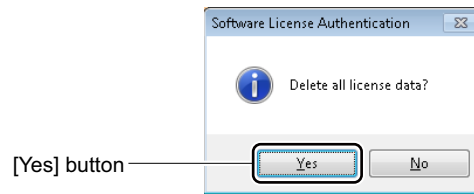
The [Deletion of Software License] screen is displayed.

STEP4: Click the [Delete] button.



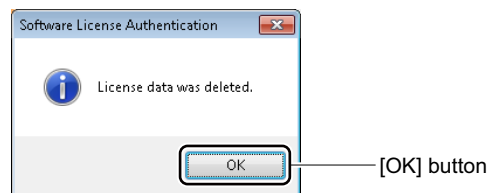
A dialog box is displayed, verifying deletion of all license data.

STEP5: Click the [yes] button



A dialog box is displayed verifying the completion of the license data deletion process.

STEP6: Click the [OK] button.



You are directed back to the [Software License Authentication] screen.

License data has now been deleted.

■ Register a Temporary Activation Code

When replacing the CPU blade due to the breakdown of current CPU blade and others, register a temporary Activation Code of the current CPU blade to run the SV9300 temporarily until an Activation Code of the new CPU blade is obtained from the License Management Server. Follow these steps to register a temporary Activation Code.

1. Connect the system via Off-line mode

Connect PCPro to the system in off-line mode (set the SENSE switch of the CPU blade to “E/F”).

2. Register license data file to activate license temporary

Register the current CPU’s license data file (*.lic2: all Software Key Codes and Activation Codes are included) and activate license temporary onto the SV9300 by PCPro. [Page 4-56](#)

3. Return to On-line mode

Return the system to on-line mode (set the SENSE switch of the CPU blade to “1”).

NOTE 1: Use the current CPU’s license data file (*.lic2) to register license data and to activate license temporarily to the new CPU.

NOTE 2: Switch to the off-line mode when activating the license temporarily by “One-Step Registration” of PCPro.

NOTE 3: Temporary license is effective for five days (in 120 hours).

NOTE 4: SV9300 stores the fault information (FK=17) after five days in case of temporary license activation.

NOTE 5: The following limitations occur after five days in case of temporary license activation.

- CM10 registration is restricted.
- No limitation for end users.
- Temporary activation becomes ineffective when the system is reset (both Power-On reset and system reset by PCPro).

NOTE 6: Temporary activation becomes ineffective when the system is reset by Power-On reset even if it is in five days.

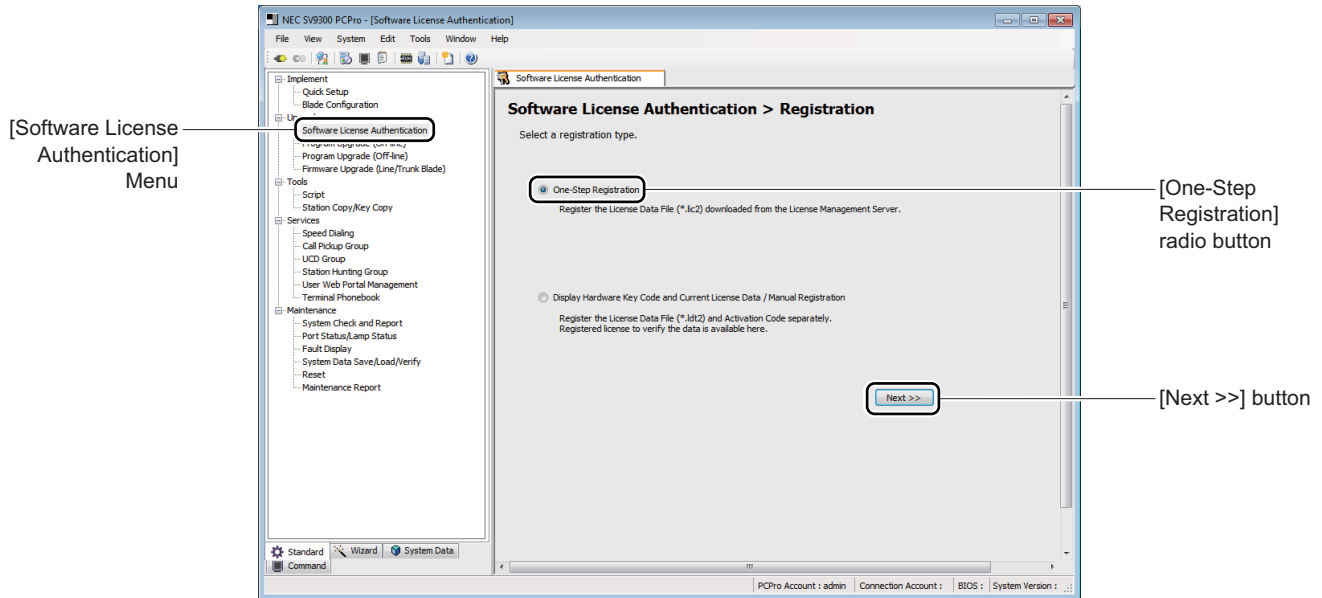
<Registering License Data File to Activate License Temporarily>

STEP1: Take one of these actions:

- Click submenu [Software License Authentication] in Standard Mode.
- On the Main Menu, click [System] > [Software License Authentication] in this order.

The [Registration] screen is displayed in the work window.

STEP2: Select the [One-Step Registration] radio button and click the [Next >>] button.



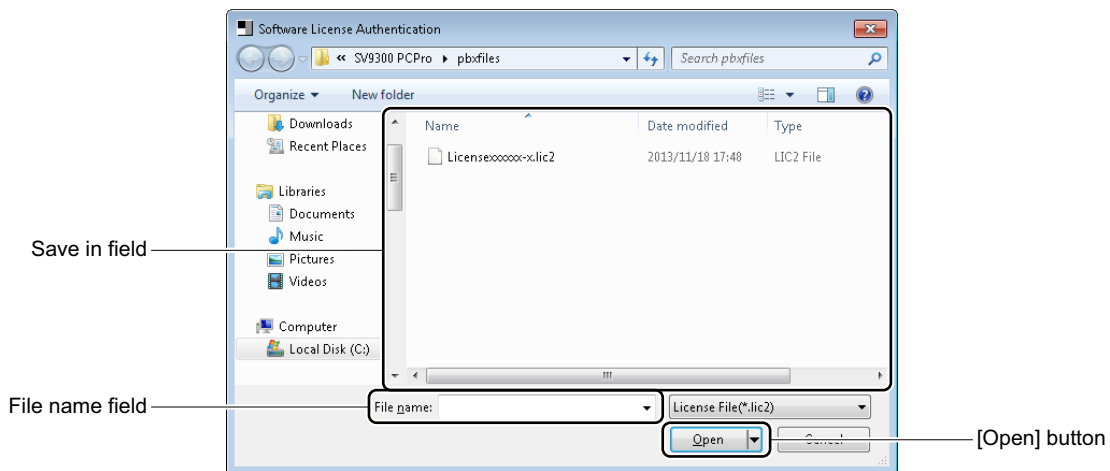
The [Selection of License Data File] screen is displayed.

STEP3: Click the [Select File] button.



A dialog box is displayed to specify the file name and folder.

STEP4: Specify the folder of the file name where the current CPU's license data file is saved, and click the [Open] button.

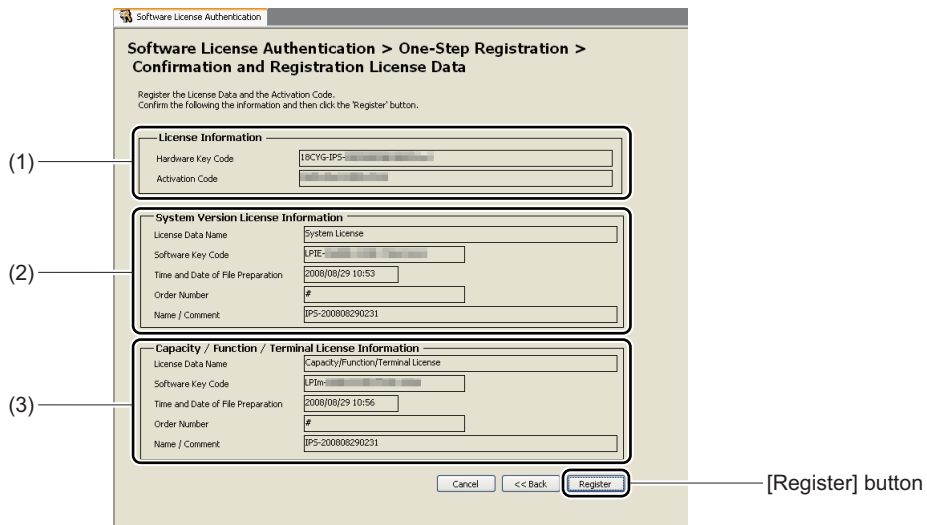


You are directed back to the [Select of License Data File] screen, showing where the license data is stored and the file name in the License Data File Name field.

STEP5: Click the [Next >>] button.



The [Confirmation and Registration License Data] screen is displayed.
STEP6: Verify information (1) to (3).



No.	Item	Description
(1)	License Information	Displays the following codes of the SV9300 to which PCPro is connected. <ul style="list-style-type: none"> • Hardware Key Code • Activation Code

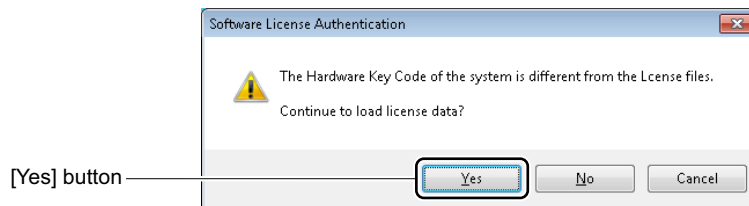
Continued on next page

No.	Item	Description
(2)	System Version License Information	Displays information included-in the license data. <ul style="list-style-type: none"> • License data name • Software key code • Time and Date of File Preparation • Order number • Name/Comment
(3)	Capacity/Function/Terminal License	Displays information included-in the license data. <ul style="list-style-type: none"> • License data name • Software key code • Time and Date of File Preparation • Order number • Name/Comment

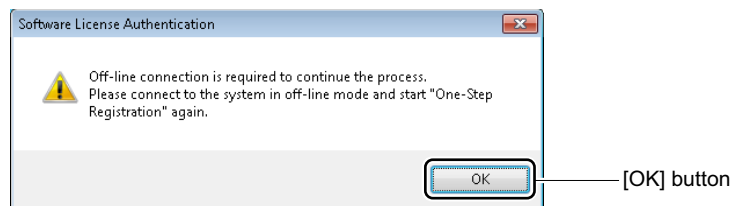
STEP7: Click the [Register] button.

A dialog box is displayed to notify that the Hardware Key Code of the system is different from the license files.

STEP8: Click the [Yes] button.



NOTE: When PCPro connects to the system via on-line mode, the following dialog box is displayed. Click the [OK] button to cancel the procedure.



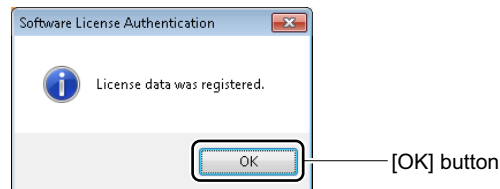
A dialog box is displayed to notify the term of validity of the license.

STEP9: Click the [Yes] button.



The license data is registered onto the SV9300 and a dialog box is displayed to notify the completion of temporary license activation.

STEP10: Click the [OK] button.



You are directed back to the [Confirmation of License Data] screen.

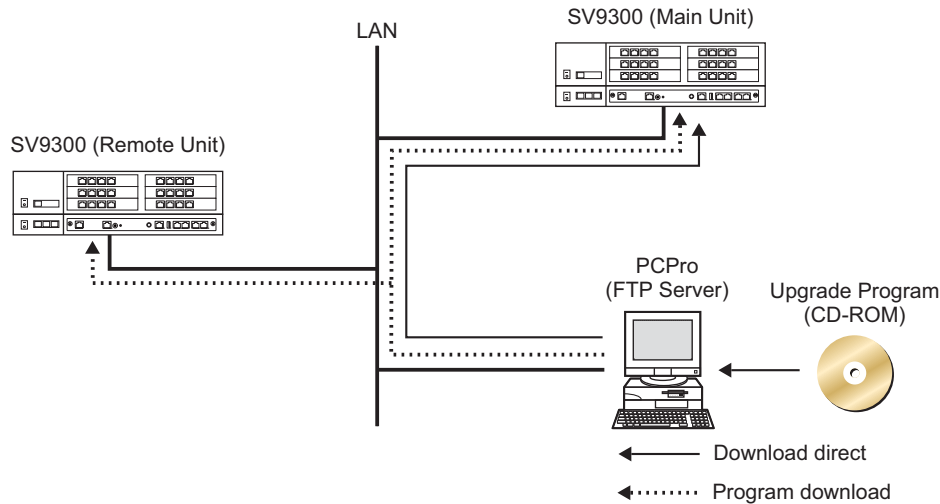
STEP11: Click the [Complete] button.



The temporary license activation process is completed.

Program Upgrade (On-line)

You can download an upgrade program for the FTP server installed on a LAN onto the SV9300 as directed by PCPro and upgrade the CPU program on-line. You may choose to use PCPro as a FTP server or configure a separate FTP server for each unit. For information on specifying a FTP server, see “FTP Server Settings”. [Page 9-43](#)



This menu allows you to set a CPU program upgrade schedule, view results and verify the CPU program.

- Set a Schedule [Page 4-62](#)
- Display of Results [Page 4-69](#)
- Confirmation of Program [Page 4-71](#)

One of the following action will display the [Program Upgrade (On-line)] screen in the work window:

- Click submenu [Program Upgrade (On-line)] in Standard Mode.
- On the Main Menu, click [System] > [Maintenance] > [Program Upgrade (On-line)] in this order.

Tips 1: Firmware Upgrade

While line/trunk blade and VoIPDB firmware are included as part of the CPU program, simply upgrading the CPU program will not upgrade the firmware. To upgrade firmware, finish upgrading the CPU program first and upgrade the firmware. For more details, refer to the “Firmware Upgrade (Line/Trunk Blade)”. [Page 4-77](#)

Tips 2: Speech Synthesis Data Upgrade

When using the new tone sources for Wake Up Call announcements with the SV9300 upgraded from 9300V2 to 9300V3 software, Speech Synthesis data upgrade is required (if Speech Synthesis data is not upgraded, the announcements as with current 9300V2 are sent). For details, refer to the “Speech Synthesis Data Upgrade (For Upgrading from 9300V2 to 9300V3 Software)”.

[Page 4-88](#)

- NOTE 1:** Establish a connection link with the SV9300 before executing Program Upgrade (On-line).
NOTE 2: For the baud rate, see “Establishing a Link”. [Page 2-16](#)
NOTE 3: To use the FTP server facility of PCPro, keep PCPro running and keep FTP server starting.
NOTE 4: You can confirm the status of program upgrade by the S1 lamp of CPU blade.

Upgrade Status	S1 Lamp Status (Green)
Under Upgrading	Flash quickly
Program upgrade is completed	Remain Lit
Program changeover is completed	Disappear
Upgrade fails/Upgrade is interrupted	Flash normally

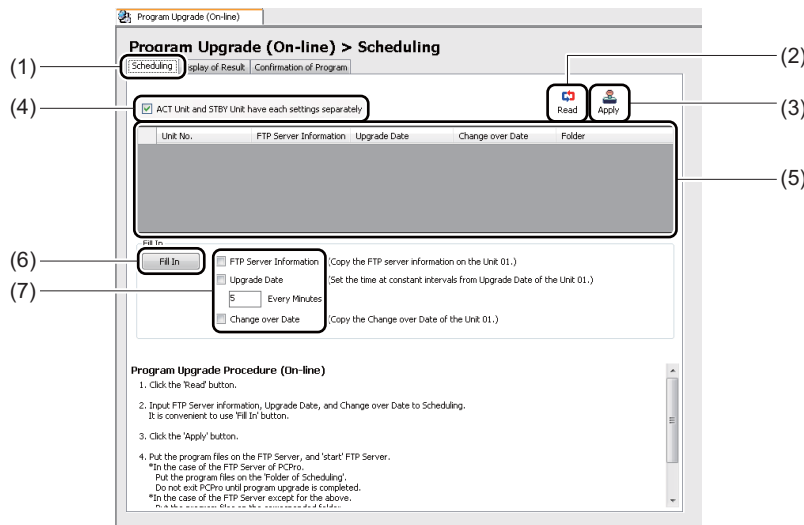
NOTE 5: If a proxy server exists between SV9300 and PC using User Web Portal, User Web Portal may not be used temporary after the program upgrade of SV9300. In such a case, clear the cache in the proxy server (as for the method of cache clear, ask an administrator).

■ Set a Schedule

You can enter and read FTP server information, the upgrade date and time and change over date and time for each unit on which the CPU program is upgraded.

STEP1: Click the [Scheduling] tab.

The [Scheduling] screen is displayed.



No.	Item		Description
(1)	[Scheduling] tab		Click to set a schedule.
(2)	[Read] button		Click to read the FTP server information, upgrade date and time, and change over date and time on each unit registered on the SV9300.
(3)	[Apply] button		Click to set FTP server information, upgrade date and time, and change over date and time on each unit registered on the SV9300. If the FTP server information on unit number 02 is modified, the system data is automatically copied to units with the subsequent unit numbers.
(4)	“ACT Unit and STBY Unit have each settings separately” check box		Check to have each setting for ACT Unit and STBY Unit separately. When this check box is checked, you can enter to the Upgrade Date field and the Change over Date field for Unit01-04 (STBY). * This check box appears when connecting to the Dual CPU system and clicking the [Read] button.
(5)	FTP Server Information display Area	Unit No.	Displays the unit number registered to the SV9300. • For Single CPU: Unit01 to 50 • For Dual CPU : Unit01 to 04 (CPU0/1: ACT/STBY)
		FTP Server Information field	Displays FTP server information read from the SV9300.
		Upgrade Date field	Displays the upgrade date and time of the CPU program read from the SV9300.
		Change over Date field	Displays the change over date and time of the CPU program read from the SV9300.
		Folder field	If the PCPro FTP server is used, displays the name of the folder in which the program file is stored.
(6)	[Fill In] button		Click to enter FTP server information, the upgrade date and time, and change over date and time continuously on unit number 02 in (5). Select the items you want to enter continuously in (7).

Continued on next page

No.	Item	Description	
(7)	Continuous Item Entry	“FTP Server Information” check box	Select to enter FTP server information on unit number 01 in (5) continuously.
		“Upgrade Date” check box	Select to enter upgrade dates and times at fixed intervals continuously starting from Unit01 in (5).
		Time field	Enter the number of minutes at intervals of which the date and time are upgraded. • Entry range: 0 to 59 (default: 5)
		“Change over Date” check box	Select to enter change over dates and time continuously from Unit01 in (5).

NOTE: *Schedule Setting with Dual CPU*

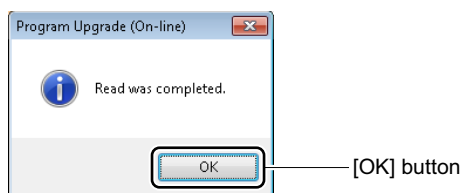
- In a Dual CPU system, the “FTP Server Information” of STBY-CPU in Unit01-04 is the same setting as that of ACT-CPU in Unit01-04.
- When the “ACT Unit and STBY Unit have each settings separately” check box is unselected, you cannot enter to the line of Unit01-04 (STBY) (because of the gray out status). In that case, the same value as Unit01-04 (CPU0/1: ACT) is set to the Unit01-04 (CPU0/1: STBY).

STEP2: Click the [Read] button.

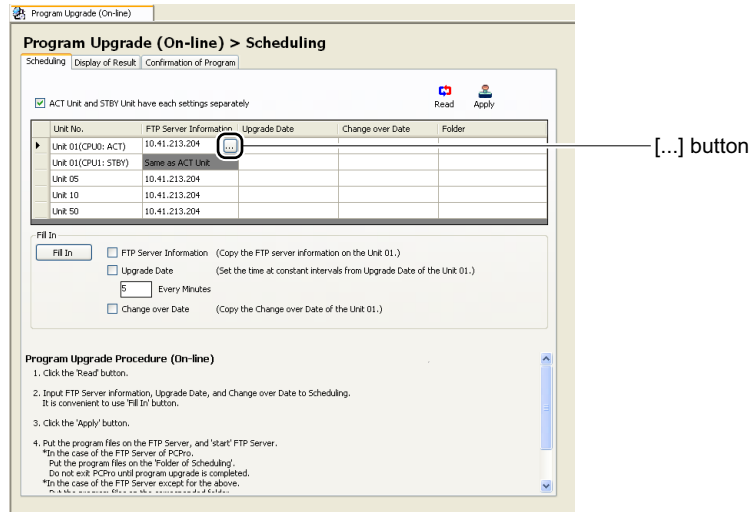
Reading of the current schedule settings starts.

STEP3: Click the [OK] button.

The result of reading is displayed.



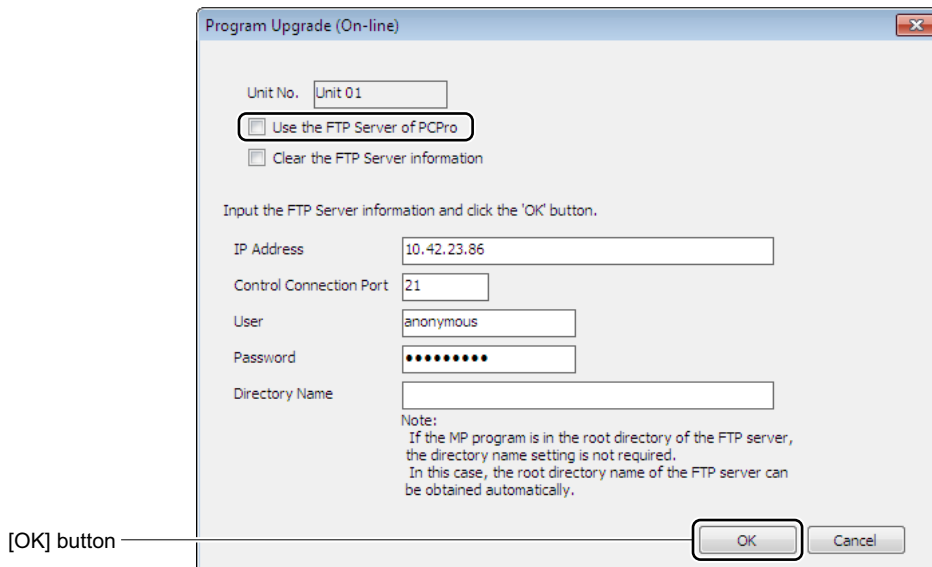
STEP4: Click the cell of FTP Server Information for the unit number to be set.
A [...] button appears.



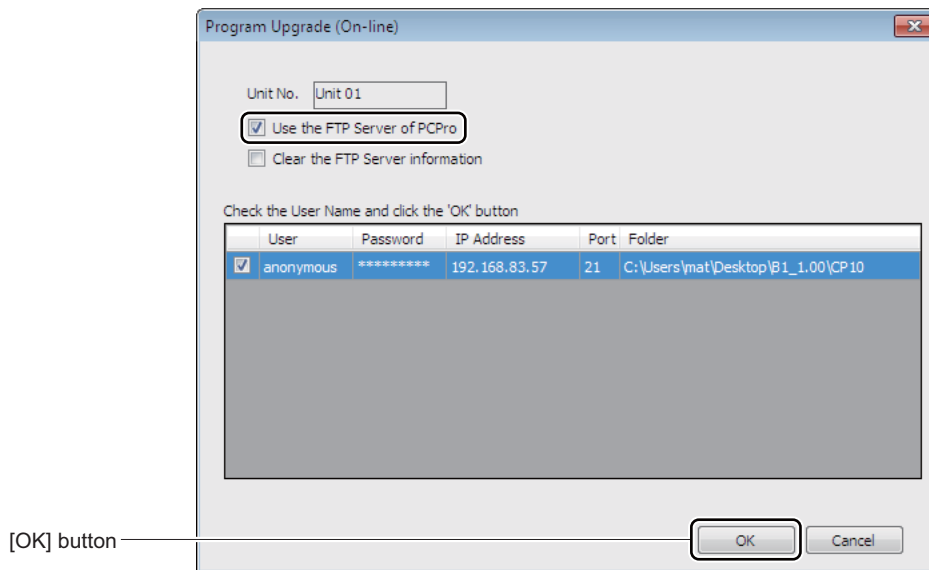
NOTE: For Dual CPU system, you cannot edit the FTP Server Information field on Unit01-04 (STBY-CPU).

STEP5: Click the [...] button.
A detailed setup screen appears.

To choose not to use the FTP server facility of PCPro (that is, install an FTP server separately), clear the “Use the FTP Server of PCPro” check box, enter relevant information and click the [OK] button.

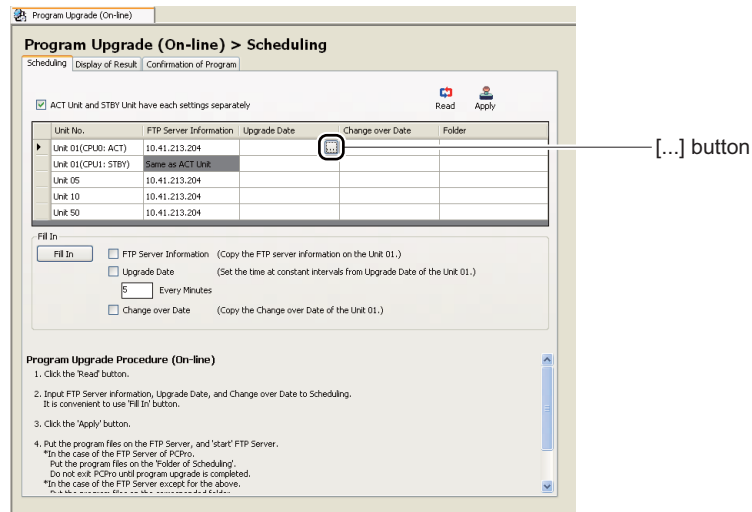


To use the FTP server facility of PCPro, select the “Use the FTP server of PCPro” check box and the name of the user who uses it, and click the [OK] button.



NOTE: For instructions on how to add or edit users, see “FTP Server Settings”. [Page 9-43](#)

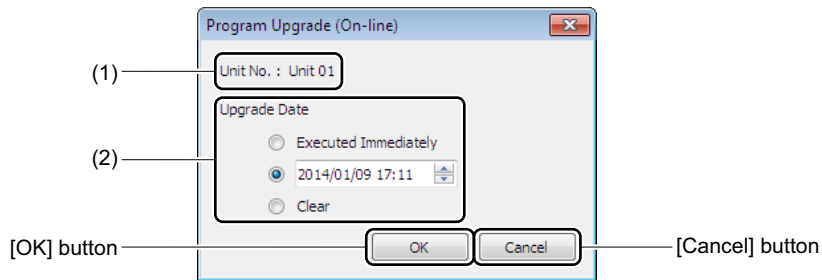
STEP6: Click the cell of Upgrade Date for the unit number to be set.
A [...] button appears.



STEP7: Click the [...] button.
A detailed setup screen appears.

STEP8: Set upgrade date and time, then click the [OK] button.

Click the [OK] button to return to the original screen. Changed cells appears in green. Click the [Cancel] button to abandon the changes.

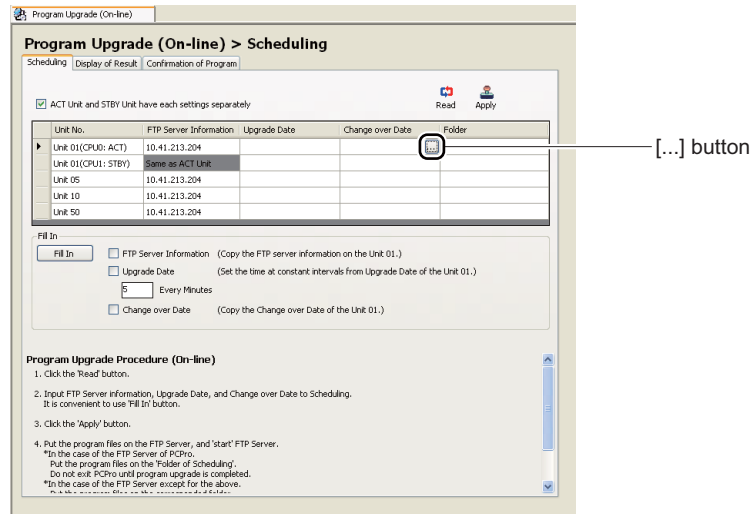


No.	Item		Description
(1)	Unit No. field		Displays the Unit No. to upgrade the CPU program.
(2)	Upgrade Date Area	[Executed Immediately] radio button	Check to execute the CPU program upgrade (on-line) immediately.
		[Date/Time] radio button	Check to set the date/time for CPU program upgrade (on-line). • Upgrade Date/Time: YYYY/MM/DD HH:MM
		[Clear] radio button	Check to delete the registered upgrade date/time.

Tips: *When Executing CPU Program Upgrade (On-Line) Immediately*

To execute the CPU program upgrade (on-line) immediately, check the “Immediately Execution” radio button, then click the [OK] button. PCPro starts CPU program upgrade (on-line) immediately.

STEP9: Click the cell of Change over Date for the unit number to be set.
A [...] button appears.

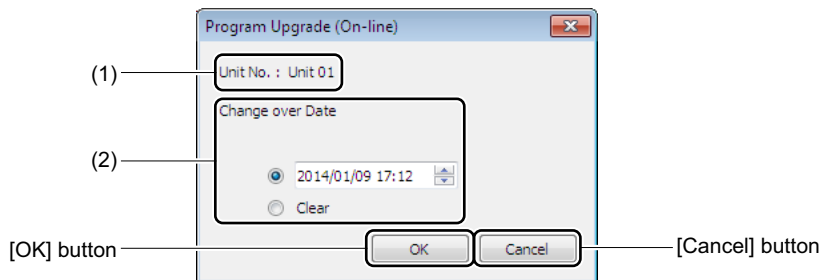


STEP10: Click the [...] button.

A detailed setup screen appears.

STEP11: Set change over date and time, then click the [OK] button.

Click the [OK] button to return to the original dialog box. Changed cells appears in green.
Click the [Cancel] button to abandon the changes.



No.	Item	Description
(1)	Unit No. field	Displays the Unit No. to change over the CPU program.
(2)	Change over Date Area	[Date/Time] radio button Check to set the change over date/time of the CPU program. • Change over Date/Time: YYYY/MM/DD HH:MM
		[Clear] radio button Check to delete the registered change over date/time.

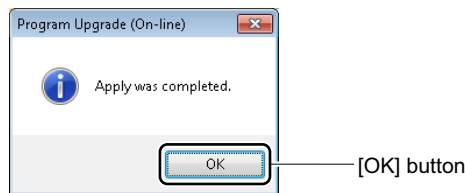
NOTE: *Program changeover involves the automatic reset of CPU blade. Therefore, when executing Program Upgrade to the multiple Units, as for the program changeover of the Main Unit (Unit 01), set the change over date so that the program changeover can be executed after the completion of program download of all Units.*

STEP12: Click the [Apply] button.

The settings are written to the SV9300.

When the writing of data is completed, a dialog box is displayed to notify the completion of the process.

STEP13: Click the [OK] button.



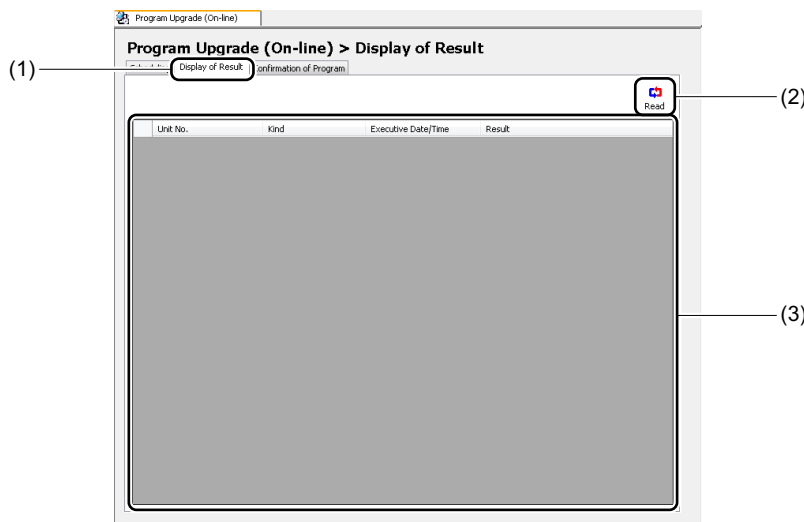
The schedule have now been set.


■ Display of Results

You can view and confirm a results of program upgrade on each individual unit.

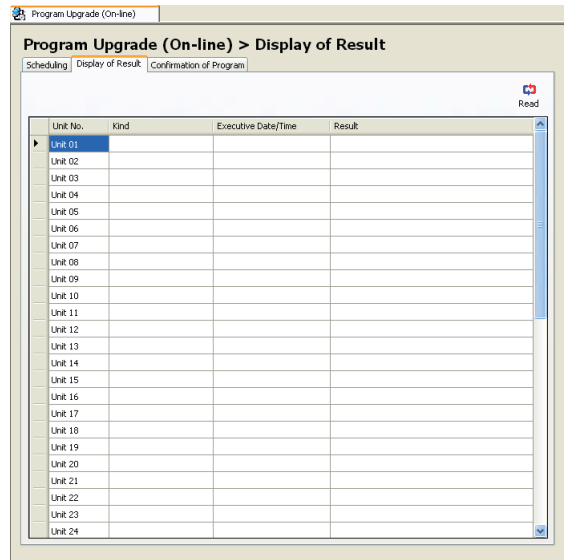
STEP1: Click the [Display of Results] tab.

The [Display of Results] screen is displayed.



No.	Item		Description
(1)	[Display of Results] tab		Click to display of results.
(2)	[Read] button		Click to read a results of program upgrade.
(3)	Result display Area	Unit No. field	Displays the unit numbers registered to the SV9300. <ul style="list-style-type: none"> • For Single CPU: Unit01 to 50 • For Dual CPU : Unit01 to 04 (CPU0/1: ACT/STBY)
		Kind field	Displays the type of the following results. Change over/Automatic rollback/Upgrade/Version Matching
		Executive Date/Time field	Displays the date and time at which an event occurred.
		Result field	Displays the result of the event that occurred. <ul style="list-style-type: none"> • Messages that may be displayed and their explanations. Success : Program Upgrade has been succeeded Canceled: Program Upgrade has been canceled Start : Program Upgrade has been started Failure : FTP Server logon failure/missing files (Failed to log on to the FTP server, or there were no upgrade files on the server)  Page D-32 Failure : Data transfer error (An error occurred transferring a file) Failure : - (any other error)

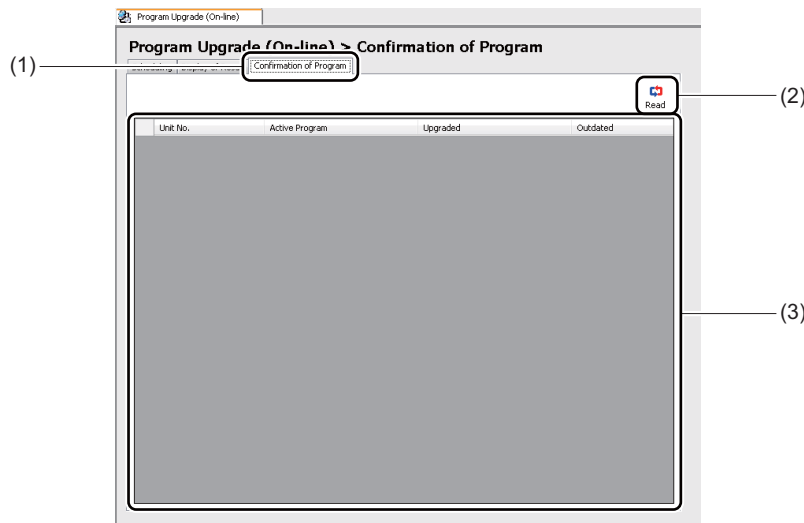
STEP2: Click the [Read] button:
The latest results are displayed.



■ Confirmation of Program

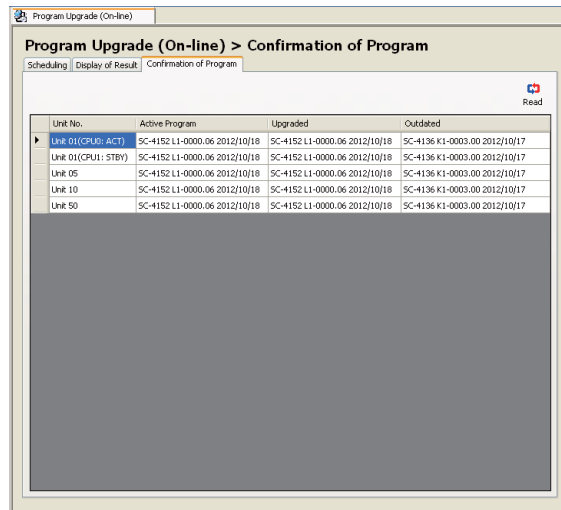
You can confirm the description and version number of the CPU program installed on each unit.

STEP1: Click the [Confirmation of Program] tab.
The [Confirmation of Program] screen is displayed.



No.	Item		Description
(1)	[Confirmation of Program] tab		Click to check the CPU program.
(2)	[Read] button		Click to read the CPU program version number.
(3)	Program Display Area	Unit No. field	Displays the unit numbers registered to the SV9300. <ul style="list-style-type: none"> • For Single CPU: Unit01 to 50 • For Dual CPU : Unit01 to 04 (CPU0/1: ACT/STBY)
		Active Program field	Displays the version number of the ACT CPU program.
		Upgraded field	Displays the version number of the STANDBY (upgrade) CPU program.
		Outdated field	Displays the version number of the STANDBY (outdated) CPU program.

STEP2: Click the [Read] button.
Reading of the CPU program setting starts.

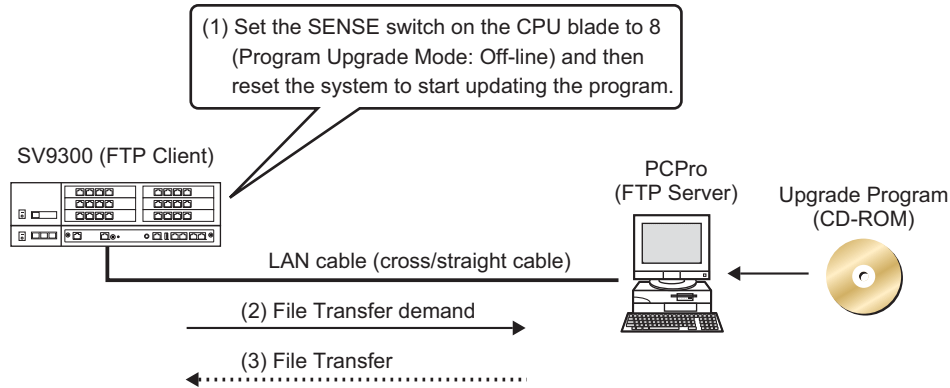


The CPU program has now been verified.

Program Upgrade (Off-line)

Allows you to upgrade the software on the CPU program off-line mounted in the SV9300 by using a Upgrade program downloaded onto PCPro.

For information on specifying a FTP server, see “FTP Server Settings” [Page 9-43](#)



The [Program Upgrade (Off-line)] menu allows you to upgrade Program Upgrade (Off-line).

Tips 1: *Firmware Upgrade*

While line/trunk blade and VoIPDB firmware are included as part of the CPU program, simply upgrading the CPU program will not upgrade the firmware. To upgrade firmware, finish upgrading the CPU program first and upgrade the firmware. For more details, refer to the “Firmware Upgrade (Line/Trunk Blade)”. [Page 4-77](#)

Tips 2: *Speech Synthesis Data Upgrade*

When using the new tone sources for Wake Up Call announcements with the SV9300 upgraded from 9300V2 to 9300V3 software, Speech Synthesis data upgrade is required (if Speech Synthesis data is not upgraded, the announcements as with current 9300V2 are sent). For details, refer to the “Speech Synthesis Data Upgrade (For Upgrading from 9300V2 to 9300V3 Software)”. [Page 4-88](#)

NOTE 1: Be sure to insert the LAN cable into the ETHERNET port of the CPU blade.

NOTE 2: You can confirm the status of program upgrade by the S1 lamp and ALM lamp of CPU blade.

Upgrade Status	S1 Lamp Status (Green)	ALM Lamp Status (Red)
Under Upgrading	Disappear	Disappear
Program upgrade is completed	Remain lit	Disappear
Upgrade fails/Upgrade is interrupted	Disappear	Remain lit

STEP1: Connect the ETHERNET port of the CPU blade mounted on the SV9300 and the LAN Port of PCPro directly with a LAN cable.

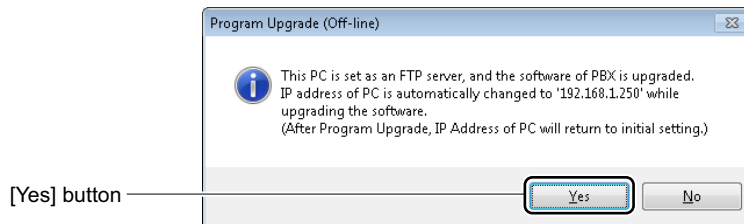
STEP2: Check that the communication link with the SV9300 is cleared.

STEP3: Do either of the following:

- Click [Program Upgrade (Off-line)] on the standard mode submenu.
- On the Main Menu, click [System] > [Maintenance] > [Program Upgrade (Off-line)] in this order.

A dialog box appears for you to confirm the change to the PC IP address.

STEP4: Click the [Yes] button.

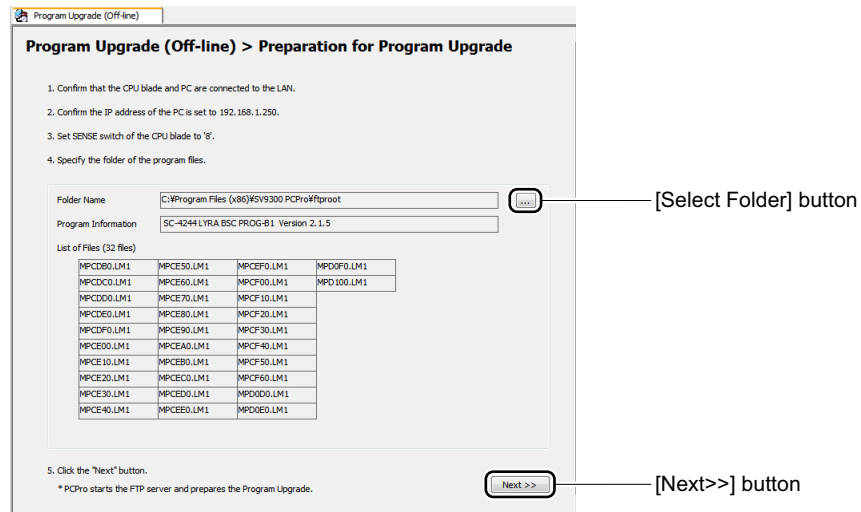


The IP address is changed to 192.168.1.250 and the [Program Upgrade (Off-line)] screen appears in the work window.

NOTE: *If an IP address is assigned for two ETHERNET ports or the setting of IPv6 is “Enable”, the dialog box appears asking you to change the IP address manually.*

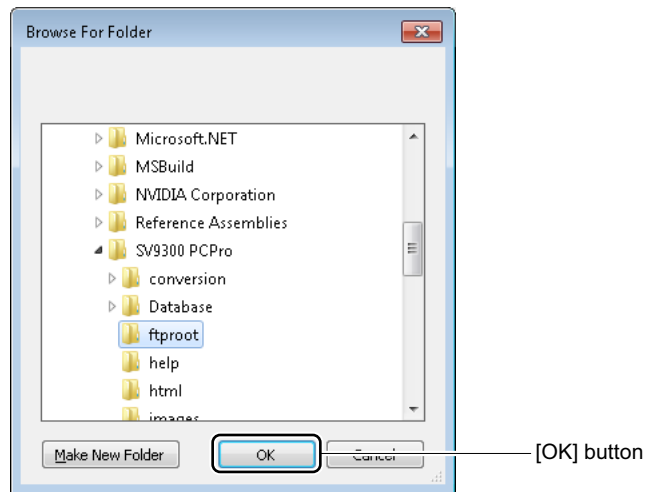
STEP5: Set the [SENSE] switch on the CPU blade mounted on the SV9300 to 8.

STEP6: Click the [Select Folder] button.



A dialog box appears for selecting a folder.

STEP7: Select the folder containing the program that needs to be upgraded and click the [OK] button.



You are directed back to the [Program Upgrade (Off-line)] screen.

STEP8: Click the [Next >>] button.

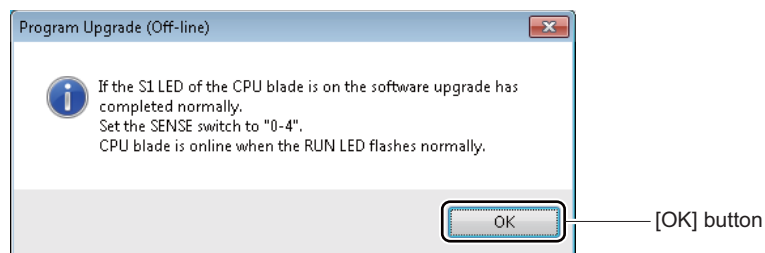
STEP9: Press the [RESET] button on the CPU blade to reset.

The program update process starts. When the process completes, a dialog box appears for you to confirm the illumination of the LED.

STEP10: Check that the S1 LED on the CPU blade lights to green.

STEP11: Return the [SENSE] switch to the original setting (0 to 4).

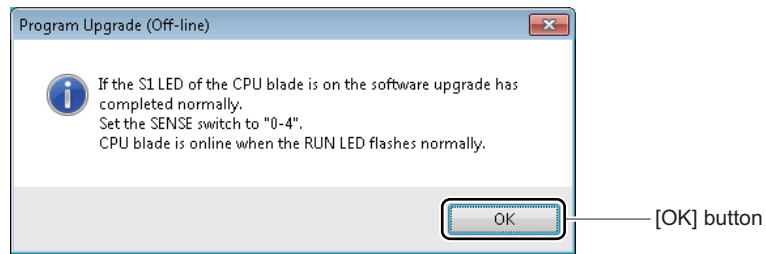
STEP12: Click the [OK] button.



STEP13: Close the work window of Program Update (Off-line).

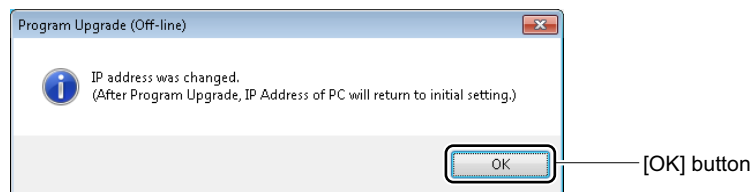
A dialog box appears for you to confirm that the IP address of PC has been returned to default.

STEP14: Click the [OK] button.



A dialog box is displayed to notify the IP address has been changed.

STEP15: Click the [OK] button.



The program has now been updated.

Firmware Upgrade (Line/Trunk Blade)

The line/trunk blades and VoIPDB to be used in SV9300 are shipped with firmware programs (hereinafter “firmware”) already written to them. Furthermore, the latest firmwares of the all line/trunk blades and VoIPDB are included in a CPU program. Therefore, for the case (1) or (2) as shown below, the firmwares in a CPU program must be downloaded to the all appropriate line/trunk blades and VoIPDB.

(1) When Upgrading Firmware: [📄 Page 4-79](#)

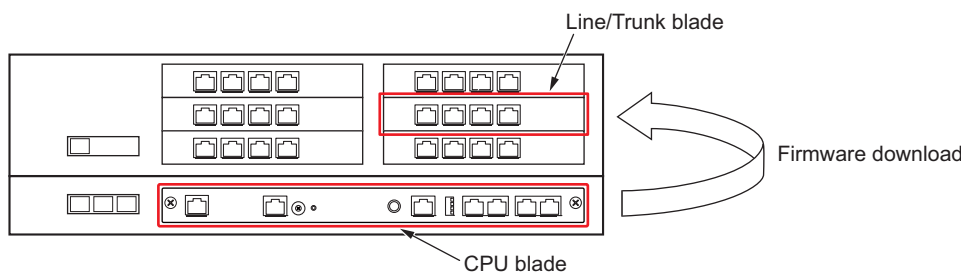
Upgrades firmwares using the [Firmware Upgrade (Line/Trunk Blade)] menu when the firmware versions of the line/trunk blades or VoIPDB to be used are older than that in a CPU program.

*: The download is not required when the firmware version of the line/trunk blade or VoIPDB is newer than that in a CPU program.

(2) When Changing Firmware: [📄 Page 4-86](#)

Changes a firmware by the command setting (CME8 Y=0) when a PRT blade is used for Digital Trunk Interface (DTI) for the first time.

*: A PRT blade (GCD-PRTA) is available for as an either PRT Interface or Digital Trunk Interface (DTI), a firmware for a PRT Interface is written to it in shipping. Therefore, if a PRT blade is used for DTI for the first time, the firmware must be changed for DTI.



NOTE 1: The firmware upgrade is not available by the [Firmware Upgrade (Line/Trunk Blade)] menu while the firmware is upgrading by CME8 Y=0, 3.

NOTE 2: The system data backup and the firmware upgrade cannot be executed at the same time.

NOTE 3: Execute the firmware upgrade from the PCPro connected to the Unit01.

NOTE 4: Although firmwares are included in a CPU program, the firmwares cannot be upgraded/changed by just upgrading a CPU program. Be sure to upgrade/change the firmwares according to the procedures.

NOTE 5: Execute the firmware upgrade to the all VoIPDBs or appropriate line/trunk blades.

NOTE 6: The firmware change can be executed on only one blade at a time. The firmware change cannot be executed on multiple blades simultaneously.

NOTE 7: Execute the firmware change for all the appropriate line/trunk blades.

- NOTE 8:** *The firmware upgrade can be executed for the multiple Units and the blades at the same time.*
- NOTE 9:** *While the firmware upgrade/change is in progress, do not execute the system reset and do not unplug the blade or turn SV9300 off.*
- NOTE 10:** *The firmware upgrade/change is available only when a CPU blade is during an online operation.*
- NOTE 11:** *The firmware upgrading time for per blade of each blade type is as follows.*

Blade Type	Firmware Upgrading Time
VoIPDB	Approx. 8 minutes
LC (CD-4LCA/CD-8LCA)/DLC/COT/ODT/DIOP	Approx. 2 minutes
LC (GCD-4LCF/GCD-8LCF)	Approx. 12 minutes
BRI	Approx. 5 minutes
PRI/DTI	Approx. 6 minutes
CCT	Approx. 10 minutes
CSI	Approx. 7 minutes

- NOTE 12:** *A call will be disconnected when executing the firmware upgrade/change during a call. Therefore, do not execute the firmware upgrade/change during a call with an appropriate blade.*
- NOTE 13:** *For a VM00 blade, the firmware upgrade is not available by this procedures (the firmware upgrade is available by replacing to a CF blade).*
- NOTE 14:** *A Remote Unit is not changed to survival mode even if the firmware upgrade of the VoIPDB blade is executed.*
- NOTE 15:** *When the setting of CM0B Y=1XX>80 is extremely short (such as second data 01, 02), Caution is required for the setting of CM0B Y=1XX>80 because the CPU in Remote Unit is reset during the firmware upgrade of VoIPDB (usually, follow the default setting (NONE)).*

■ When Upgrading Firmware

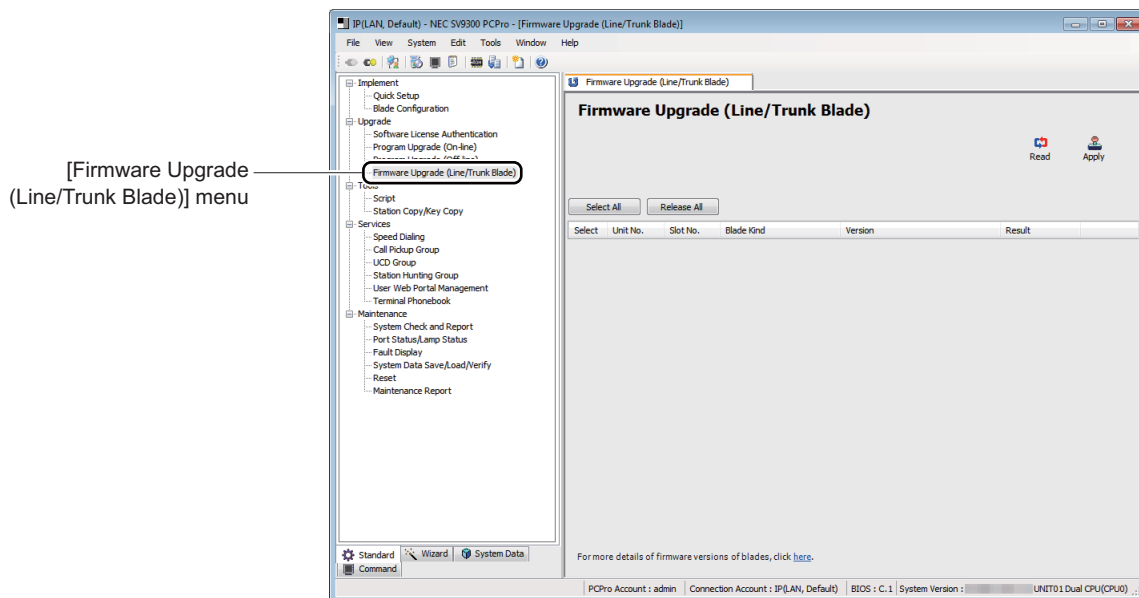
When comparing the firmware version of the line/trunk blades or VoIPDB to be used and that in a CPU program, and upgrading the firmwares, follow these steps:

Tips: *Before downloading*

- Be sure to read the NOTES before downloading. [📄 Page 4-77](#)
- If the CPU program upgrade is required, complete the CPU program upgrade before executing the firmware upgrade.
- Set the blade type of the line/trunk blades (CM05 Y=0) in advance. For details of the blade type, refer to the “Command Manual”.
- When using a PRT blade or a BRT blade for ISDN or ISDN Telephone, be sure to set the trunk blade number (CM05 Y=1).
- Accommodate the line/trunk blades to the appropriate slots (slots set by CM05 Y=0) in advance.

STEP1: Take one of these actions:

- Click submenu [Firmware Upgrade (Line/Trunk Blade)] in Standard Mode.
- On the Main Menu, click [System] > [Maintenance] > [Firmware Upgrade (Line/Trunk Blade)] in this order.
- Click the link of the system check result in the [System Check and Report] menu (only when mismatches in firmware version are detected).



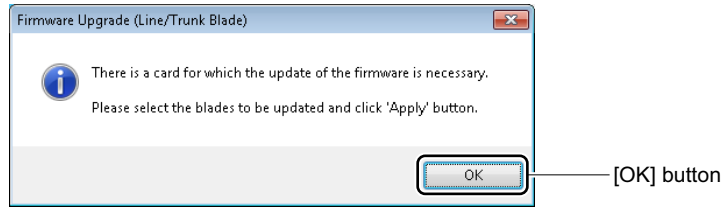
No.	Item		Description
(1)	[Read] button		Click to read the line/trunk blades or VoIPDB requiring the firmware upgrade from SV9300.
(2)	[Apply] button		Click to upgrade the firmware to the line/trunk blades or VoIPDB requiring the firmware upgrade.
(3)	[Select All] button		Click to check the all “Select” check boxes of the line/trunk blades or VoIPDB requiring the firmware upgrade.
(4)	[Release All] button		Click to uncheck the all “Select” check boxes of the selected line/trunk blades or VoIPDB.
(5)	Firmware Information Display Area	“Select” check box	<p>Click to execute the firmware upgrade for the line/trunk blades or VoIPDB requiring the firmware upgrade (default: checked).</p> <ul style="list-style-type: none"> • The status and meaning of the “Select” check box after the firmware upgrade are as follows. Unchecked: Firmware upgrade has been succeeded Checked : Firmware upgrade has been failed * As for the lines during upgrading the firmware by the other process are exempt.
		Unit No. field	<p>Displays the Unit No. of the line/trunk blades or VoIPDB requiring the firmware upgrade.</p> <ul style="list-style-type: none"> • 01 to 50 * For Dual CPU (Unit01-04), (ACT) or (STBY) is displayed only for VoIPDB after the Unit number.
		Slot No. field	<p>Displays the Slot No. of the line/trunk blades or VoIPDB requiring the firmware upgrade.</p> <ul style="list-style-type: none"> • 01 to 18
		Blade Type field	<p>Displays the blade type of the line/trunk blades or VoIPDB requiring the firmware upgrade.</p> <ul style="list-style-type: none"> • Blade Type: DLC/LC/LLC/COT/OD/DID/LD/BRT(BRI)/PRT/CCT/CCT(E1)/DTI(T1)/QSIG/DTI(E1)/ILC • VoIPDB : GPZ-64IPLD/GPZ-128IPLD/PZ-64IPLC-A/PZ-128IPLC-A

Continued on next page

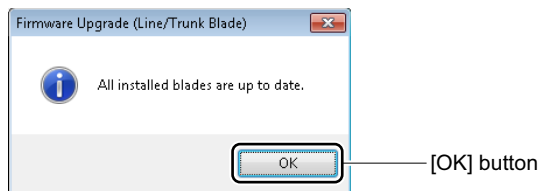
No.	Item		Description
(5)	Firmware Information Display Area	Version field	<p>Displays the firmware version.</p> <ul style="list-style-type: none"> • When reading the firmware version Displays the firmware version of the line/trunk blades or VoIPDB requiring the firmware upgrade and the firmware version after the firmware upgrade (firmware version in a CPU program) (for example: 20-> 23). • After the firmware upgrade <ul style="list-style-type: none"> - When the firmware upgrade has been succeeded: displays only the firmware version after the firmware upgrade. - When the firmware upgrade has been failed: still displays each firmware version when reading.
		Result field	<p>Displays the result of the firmware upgrade.</p> <ul style="list-style-type: none"> • Messages that may be displayed and their explanations. OK : Firmware upgrade has been succeeded Failed : Firmware upgrade has been failed Upgrading... : During upgrade of the firmware. Blank field : Other than the above * The Result fields become blanks when reading the firmware version by the [Read] button.
(6)	Link to the [System Check and Report] menu		<p>Click to confirm the details of the firmware for the line/trunk blades or VoIPDB read by the [Read] button.</p> <ul style="list-style-type: none"> *1 Click the link (underline part) of “For more details of firmware versions of blades, click here.” to launch the [System Check and Report] screen. *2 The screen display is switched if the [System Check and Report] screen is already launched.

STEP2: Click the [Read] button.

- When the line/trunk blades or VoIPDB requiring the firmware upgrade are detected:
When the following dialog box is displayed, go to step 3 to click the [OK] button.



- When no line/trunk blade or VoIPDB requiring the firmware upgrade exist:
When the following dialog box is displayed, click the [OK] button. the firmware upgrade is not needed.



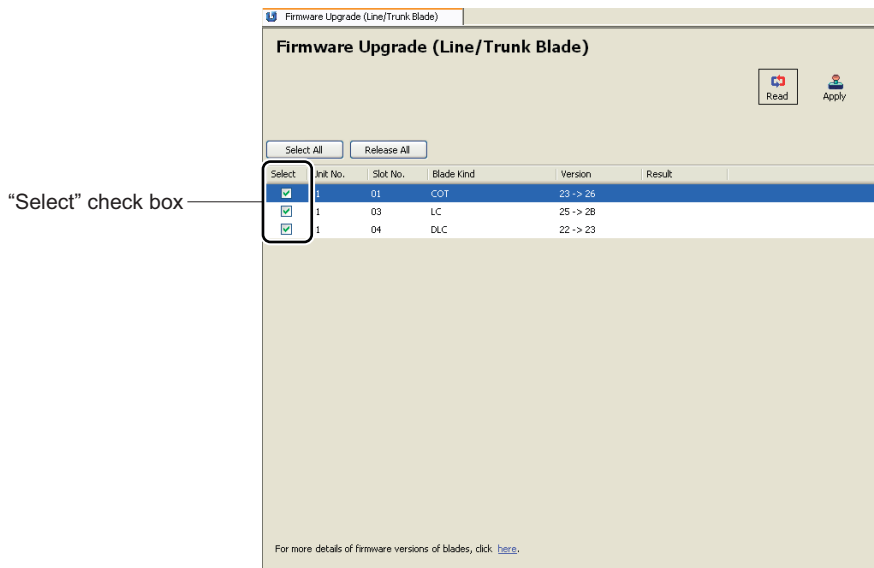
Tips: *Details of Firmware Version*

- *The details of the firmware version of each blade displayed on the Firmware Information Display Area can be confirmed by the [System Check and Report] menu.*
[📄 Page 4-251](#), [📄 Page 8-3](#)
- *Click the link (underline part) of “For more details of firmware versions of blades, click here.” to launch the [System Check and Report] screen.*

NOTE: *The line/trunk blades requiring the firmware upgrade are displayed when satisfying the following conditions.*

- *When the blade type accommodated in the SV9300 corresponds with the blade type assigned by system data (CM05 Y=0).*
- *When the firmware version in a CPU program is newer than that of the line/trunk blades.*

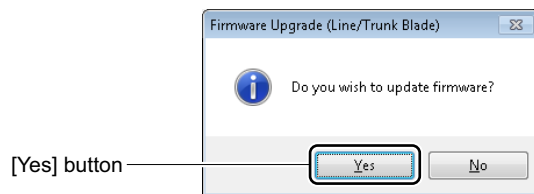
STEP3: Check the “Select” check box of the line/trunk blades or VoIPDB requiring the firmware upgrade.



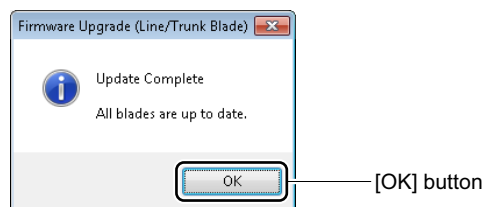
Tips: *Selecting Blades*

If the [Select All] button or the [Release All] button is clicked, the “Select” check boxes on the Firmware Information Display Area can be selected or released all at once.

STEP4: Click the [Apply] button.
The following dialog box is displayed.



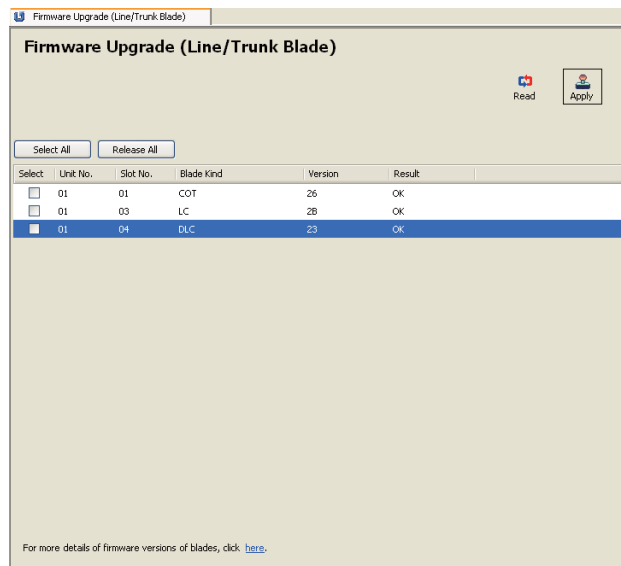
STEP5: Click the [Yes] button.
The firmware upgrade is executed to the selected line/trunk blades or VoIPDB.
When the firmware upgrade has been completed normally, the following dialog box is displayed.



- NOTE 1:** *If this operation is executed, appropriate line/trunk blades are reset, then start downloading of the firmware. BUSY LED (Red) of the blade flashes by 0.5 sec. ON/OFF (LIVE LED (Green) flashes at this time).*
- NOTE 2:** *A download takes about 2 to 10 minutes per blade (depending on the file size). If the download is completed, LIVE LED (Green) of the blade flashes by 0.5 sec. ON/OFF.*
- NOTE 3:** *S2 lamp on CPU flashes at intervals of 1 sec. ON/OFF during the firmware upgrade of VoIPDB. Time for upgrade is about 8 minutes.*
- NOTE 4:** *When you click the [Cancel] button displayed during a firmware upgrade, the confirmation of firmware upgrade by PCPro is interrupted. However, the firmware upgrade of SV9300 is continued. After the cancelation, click the [Read] button as in STEP2 above and confirm the necessity of the firmware upgrade.*

STEP6: Click the [OK] button.

“OK” is displayed on the Result fields of the line/trunk blades or VoIPDB for which the firmware upgrade is executed.



Select	Unit No.	Slot No.	Blade Kind	Version	Result
<input type="checkbox"/>	01	01	COT	26	OK
<input type="checkbox"/>	01	03	LC	28	OK
<input checked="" type="checkbox"/>	01	04	DLC	23	OK

For more details of firmware versions of blades, click [here](#).

- NOTE 1:** *If the line/trunk blades or VoIPDB requiring the firmware upgrade still remains, confirm that the “Select” check box is checked, then retry from STEP3.*

NOTE 2: *If the firmware upgrade has been failed, the error message and “Failed” are displayed on the result fields of the line/trunk blades or VoIPDB for which the firmware upgrade has been failed. Either one of possible causes as shown table below is considered, take remedial actions in order of “a” to “b”.*

Cause	Remedial Action
a. Firmware check sum error in a CPU program.	Upgrade the CPU program, then retry from STEP2.
b. Flash-ROM malfunction of the blade (malfunction caused by a repeat of writing or a deterioration).	Replace the blade, then retry from STEP2.

The Firmware Upgrade (Line/Trunk Blade) has now been completed.

■ When Changing Firmware

When changing a firmware to use a PRT blade as a Digital Trunk Interface (DTI), follow these steps:

Tips: *Before downloading*

- Be sure to read the *NOTES* before downloading. [☞ Page 4-77](#)
- If the CPU program upgrade is required, complete the CPU program upgrade before executing the firmware upgrade.
- When changing a firmware for DTI(T1), set the blade type (CM05 Y=0) of PRT blade to “43” (DTI[T1]) in advance. When changing a firmware for DTI(E1), set the blade type (CM05 Y=0) of PRT blade to “47” (DTI[E1]) in advance.
- Accommodate the PRT blade to the appropriate slot (slot set by CM05 Y=0) in advance.

STEP1: With the [System Check and Report] menu, read the accommodated line/trunk blades information and figure out the PRT blades to be changed.

A list of including accommodation locations of line/trunk blades (Unit No. and Slot No.), firmware version and firmware type (blade type) are displayed. [☞ Page 4-251](#)

STEP2: Specify the accommodation location (Unit No. and Slot No.) of the PRT blade read by STEP1 by CME8 Y=0, then download the firmware.

- CME8 Y=0

First Data : XX ZZ:
 XX: 01-50: Unit No.
 ZZ : 01-18: Slot No.

Second Data: 43: DTI(T1)
 or
 : 47: DTI(E1)

NOTE 1: *If this command is executed, the appropriate PRT blade is reset, then start downloading of the firmware. BUSY LED (Red) of the blade flashes by 0.5 sec. ON/OFF (LIVE LED (Green) flashes at this time) during download.*

NOTE 2: *A download takes about 3 minutes per blade. If the download is completed, LIVE LED (Green) of the blade flashes by 0.5 sec. ON/OFF.*

STEP3: Confirm that the firmware version of the PRT blade and that of the blades in a CPU program match.

- CME8 Y=0

First Data : XX ZZ:

XX: 01-50: Unit No.

ZZ : 01-18: Slot No.

Second Data: 43 XX ZZ:

XX: Firmware version on the blade

ZZ : Firmware version in a CPU program

*1: If the firmware version matches, go to STEP4.

*2: If the firmware version does not match, either one of possible causes as shown table below is considered, take remedial actions in order of “a” to “c”.

Cause	Remedial Action
a. Blade type set by CM05 Y=0 and accommodated blade does not match.	Set the correct firmware type by CM05 Y=0, then try from STEP2 again.
b. Firmware check sum error in a CPU program.	Upgrade the CPU program, then try from STEP1 again.
c. Flash-ROM malfunction of the blade (malfunction caused by a repeat of writing or a deterioration).	Replace the blade, then try from STEP1.

STEP4: If any other PRT blades which require the firmware upgrade exist, do the STEP2 to STEP3 to the appropriate blades.

This is the end of the procedure for firmware change.

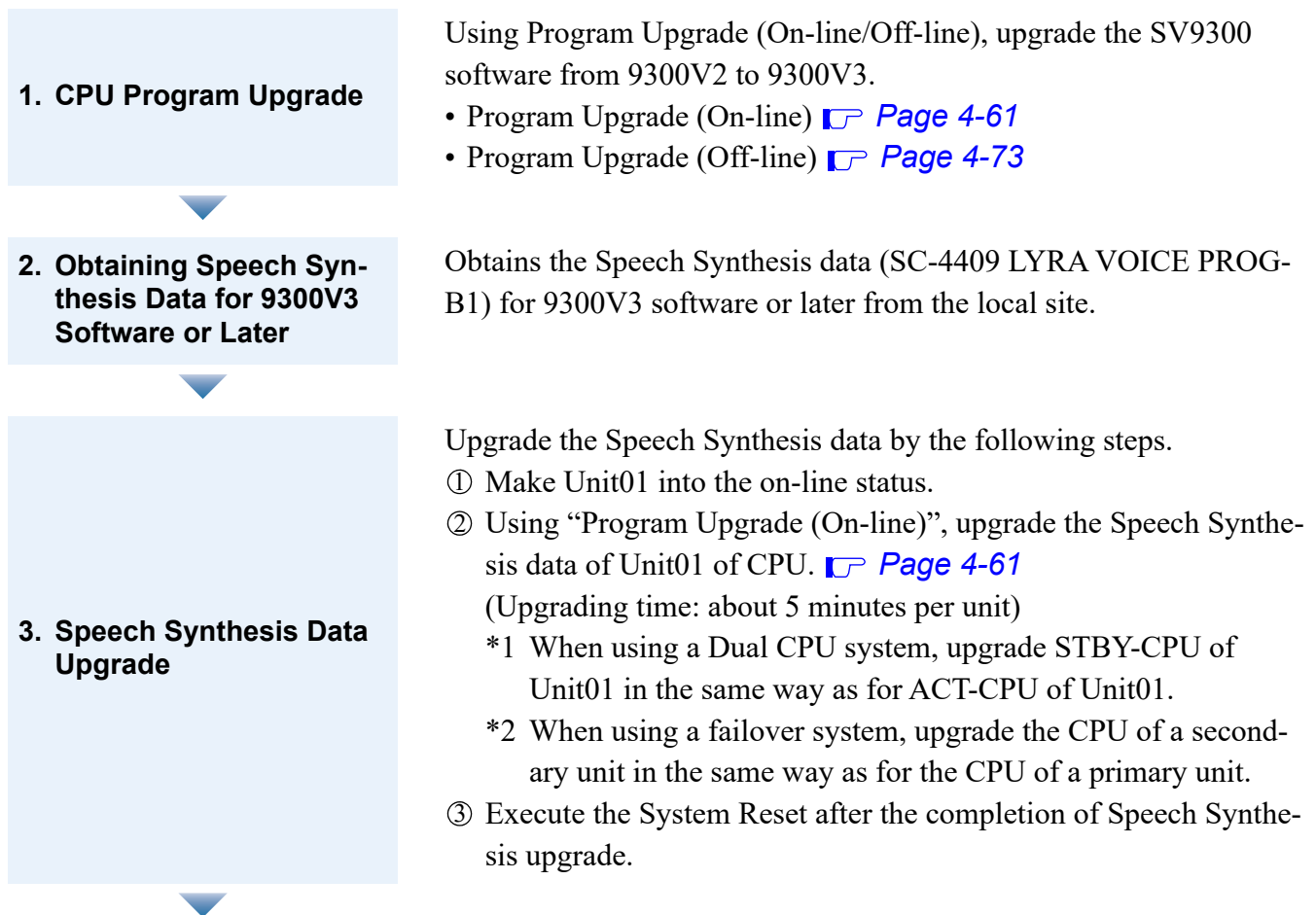
Speech Synthesis Data Upgrade (For Upgrading from 9300V2 to 9300V3 Software)

In Speech Synthesis announcements when setting or answering Wake Up call, for 9300V3 software or later, the announcements which are easier to understand for user than those of current 9300V2 can be sent. When using those announcements with the SV9300 upgraded from 9300V2 to 9300V3 software, upgrade the Speech Synthesis data according to the following steps (when newly installing SV9300 with 9300V3 software or later, Speech Synthesis data upgrade is not required because new Speech Synthesis data is already written to the CPU).

NOTE 1: Upgrade the Speech Synthesis data after upgrading from 9300V2 to 9300V3 software.

NOTE 2: For the Speech Synthesis data upgrade, be sure to use the Program Upgrade (On-line).

NOTE 3: If Speech Synthesis data is not upgraded, the announcements as with current 9300V2 are sent.



Continued on next page

4. Verifying the Upgrade

Refer to the Speech Synthesis information by CMFB Y=03, verify that the Speech Synthesis data is upgraded.

* When using a Dual CPU system, refer to the Speech Synthesis information by CMFB Y=11, verify that the Speech Synthesis data of STBY-CPU is upgraded.

The Speech Synthesis data has now been upgraded.

[Tools] Category

The [Tools] Category is organized into the following two submenus:


- Script
- Station Copy/Key Copy [☞ Page 4-103](#)

Script

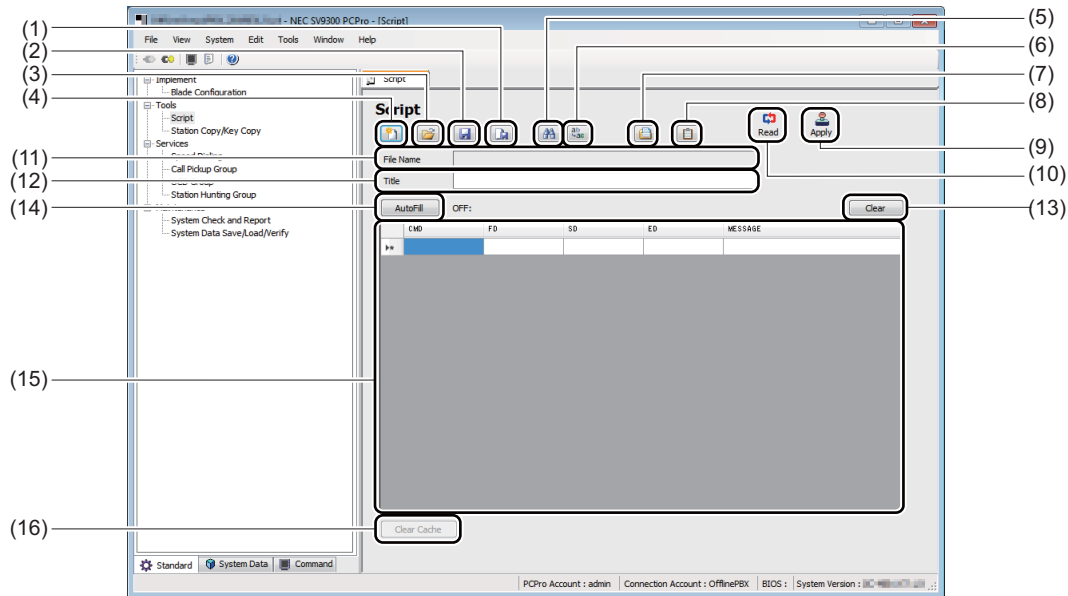
The [Script] menu allows you to run a system data script. Create a system data script as a CSV file or an Excel file (xlsx) and load it into the Main Menu via the [Script] menu.








In addition, a scenario file (LIST file) of the system data for SV9300 that is output by the System Data Conversion Tool can be loaded into SV9300. For details, see “Run a Scenario File”. [☞ Page 4-98](#)

Do either of the following to see the [Script] screen in the work window:


- Click [Script] on the standard mode submenu.
- On the Main Menu, click [Tools] > [Script] in this order.
- Click  on the toolbar.

- NOTE:**
- *Establish an Establishing a Link before running the Error Info function. For more details, see “Establishing a Link”. [☞ Page 2-16](#)*
 - *There is no need to establish a link when writing a script.*
 - *An index of script lines that can be run simultaneously is 10,000 lines (depending on the specifications of the PC and memory installed).*
 - *SV8300 script files cannot be used. To use the system data of SV8300 as that of SV9300, the system data conversion is required by the System Data Conversion Tool. For details, see “System Data Conversion Tool”. [☞ Page 9-24](#)*
 - *When using a script file made by an older Excel file format (xls), change the XLS file format into the XLSX file format by using some tools (such as Microsoft Excel) before using it on PCPro.*



No.	Item	Description
(1)	[Save as...] () button	Click to create (export to) a script file from the contents of the script shown in the Script Entry area.
(2)	[Save] () button	Click to save (export) the contents of the script shown in the screen to the current script file.
(3)	[Open] () button	Click to open (import) a script file.
(4)	[New] () button	Click to create a new script file.
(5)	[Find] () button	Displays the [Find and Replace] screen (for finding). Click to search a character string from the contents of the script.
(6)	[Replace] () button	Displays the [Find and Replace] screen (for replacing). Click to replace a character string from the contents of the script.
(7)	[Scenario Open] () button	Click to open (import) a scenario file (a file that runs the multiple script files by one operation).

Continued on next page



No.	Item	Description
(8)	[Listup All CMD]  button	Click to list the all office data in the office data file. * This button is effective when “Virtual PBX (office data file)” is chosen in Connection Type of Connection Account. For details of Connection Account, see “Connection Account” in Chapter 9.
(9)	[Apply] button	Click to apply the contents of the script shown in the Script Entry area as system data on the SV9300.
(10)	[Read] button	Click to read the contents of the script shown in the Script Entry area as system data on the SV9300.
(11)	Script File Name field	Displays the drive, path and file names of a script file imported or exported.
(12)	Title field	Displays and/or edits the title of the script file specified in the Script File field.
(13)	[Clear] button	Click to clear the data shown in the Script Entry Area.
(14)	[Auto Fill] button	This button functions as entry auxiliaries. Each time clicking the enter key, +1 value or a copied value are entered to the next line. The using mode can be switched by the [Auto Fill] button. • Mode: OFF/0-9/0-B/0-F/COPY *1 When specifying “0-B”, +1 value is entered in order of 0-9, A, B. *2 When specifying “0-B”, +1 value is entered in order of 0-9, A-F.

Continued on next page

No.	Item		Description
(15)	Script Entry Area	CMD field	Displays and/or edits the command code and YY number. <ul style="list-style-type: none"> • Input characters: 0 to 9, A through F, a through f (a through f are converted to uppercase automatically) • Input length: Up to six characters
		FD field	Displays and/or edits the first data portion of the command code. <ul style="list-style-type: none"> • Input characters: 0 to 9, A through F, a through f (a through f are converted to uppercase automatically) and comma (,) • Input length: Up to 16 characters
		SD field	Displays and/or edits the second data portion of the command code. <ul style="list-style-type: none"> • Input characters: No limitation • Input length: Up to 256 characters
		ED field	Displays command code-specific SV9300 response data. <ul style="list-style-type: none"> • Input characters: Other than CCC • Input length: Up to 24 characters
		MESSAGE field	Displays or edits a command code comment. <ul style="list-style-type: none"> • Input characters: Unlimited • Input length: Up to 256 characters
(16)	[Clear Cache] button		Click to clear the read data stored in the memory when the List Command such as @STN or LSTN is executed. <ul style="list-style-type: none"> *1 Clear Cache must be executed by the [Clear Cache] button when a station is added or deleted after @STN is executed. *2 For details of the List Command, refer to the “Appendix B List Command”. Page B-1

■ Create a Script File

There are three ways to create a script file as described below. Here, method 1 and 2 are highlighted.

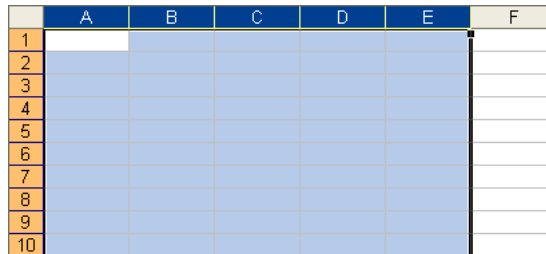
1. Write a system data script in Microsoft Excel and save it to a CSV file or an Excel file (xlsx) (using the [Open] () button).
2. Enter a system data script directly in the [Script] menu (using the [New] () button).
3. Read system data from the SV9300 to the Script Entry Area and edit it (using the [Read] button).

<When Entering a Script to Excel>

STEP1: Launch Microsoft Excel.

STEP2: Specify Columns A to E in an Excel sheet and click [Format (O)] > [Cell (E)] to set the display format a character string.

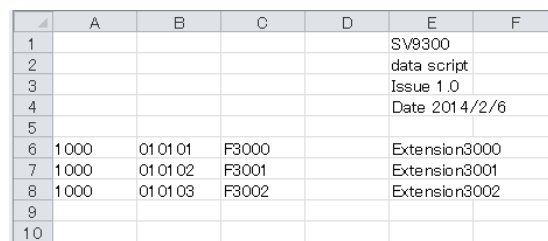
Delete Excel sheets except Excel sheet 1.



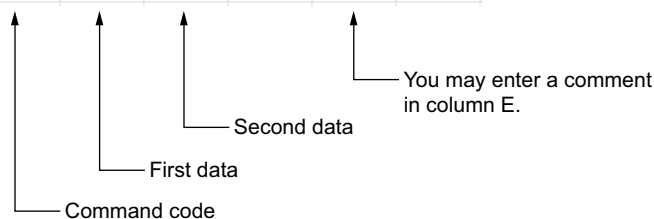
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

STEP3: Fill out the Excel sheet with the command code, first data and second data as system data, left-justified, to create an Excel file.

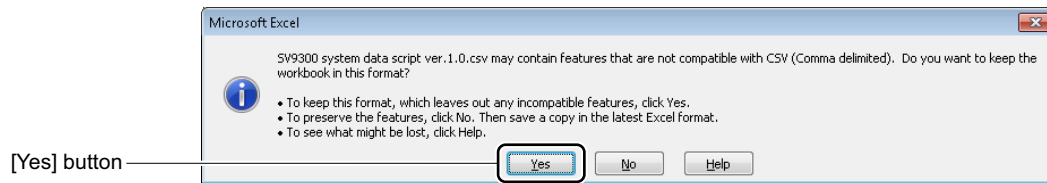
Sample setting: Set station numbers 3000, 3001 and 3002 for the Digital Multiline Terminal.



	A	B	C	D	E	F
1					SV9300	
2					data script	
3					Issue 1.0	
4					Date 2014/2/6	
5						
6	1000	01 01 01	F3000		Extension3000	
7	1000	01 01 02	F3001		Extension3001	
8	1000	01 01 03	F3002		Extension3002	
9						
10						



- STEP4: When you have finished entering all the system data, name the Excel file and save it as a script file of a CSV file or an Excel file (xlsx).
If you see the message shown below when you save the script file, click the [Yes] button.

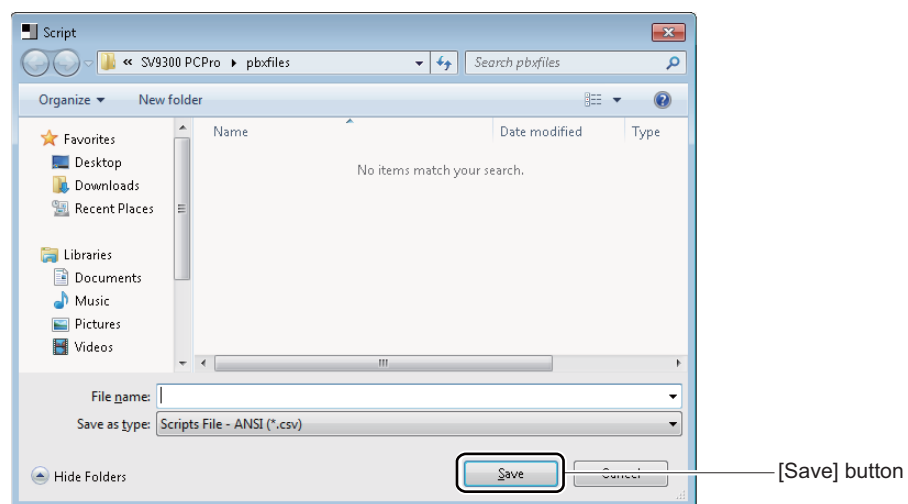


<When Entering a Script by the [Script] Menu>

- STEP1: Click the [New] (📁) button on the [Script] screen.
STEP2: Enter the command code, first data and second data to the CMD field, FD field and SD field in the Script Entry Area.
Sample setting: Set station numbers 3000, 3001 and 3002 for the Digital Multiline Terminal.
* You can enter a comment in the Message field.

	CMD	FD	SD	ED	MESSAGE
	1000	010101	F3000		Extension3000
	1000	010102	F3001		Extension3001
▶	1000	010103	F3002		Extension3002
*					

- STEP3: When you have finished entering all the system data, Click the [Save as...] button.
The [Script] dialog box is displayed.
STEP4: Specify the File name field and the Save as type field, then click the [Save] button.



Tips: *File Format When Saving a Script File*

- *For the file format when saving a script file, you can select the file format as shown the table below.*

File Format	Description
Script file - ANSI (*.csv)	A comma-delimited file format generally used for script set by default. * The number of script lines that can be saved is 100,000 lines.
Script file - Unicode (*.csv)	A comma-delimited file format that the character code is Unicode. *1 Usually, this file format is not used. Select when the character code is different from the language of the OS or Excel currently used. *2 The number of script lines that can be saved is 100,000 lines.
Microsoft Excel worksheet (*.xlsx)	A file format for Excel. *1 Up to 100,000 lines can be saved in a Excel format (xlsx). *2 You cannot edit script files using a editor in a text format.

- *The file format previously saved is displayed for a default value in the Save as type field.*
- *To save a script file as a CSV format, use the OS or Excel corresponding to the character code.*
- *When a script file is saved by Excel format (xlsx), regardless of the language of the OS or Excel currently used, you can save the data even including character codes of any languages.*

The creation of a script file is now completed.

■ Run a Script

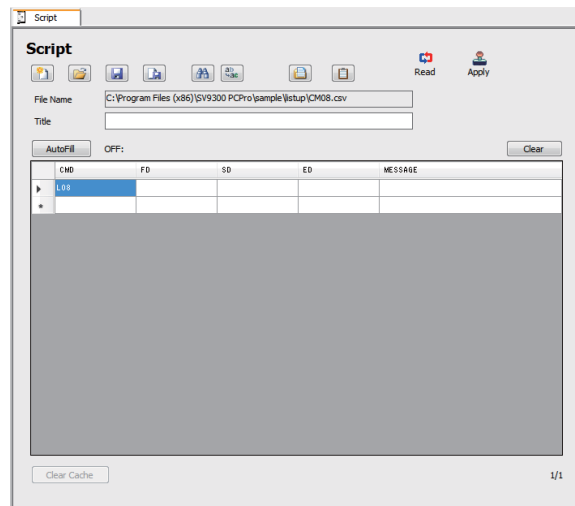
STEP1: Click the [Open] button.

The [Script] dialog box appears.

The [Script] screen appears in the work window.

STEP2: Select the script file you have saved in “■ Create a script file” and click the [Open] button.

The script is loaded into the Script Entry Area.



STEP3: Click the [Read] or [Apply] button.

A script file has now been run.

■ Run a Scenario File

When running the scenario file (a file that runs the multiple script files by one operation) output by the System Data Conversion Tool, do the following operations.

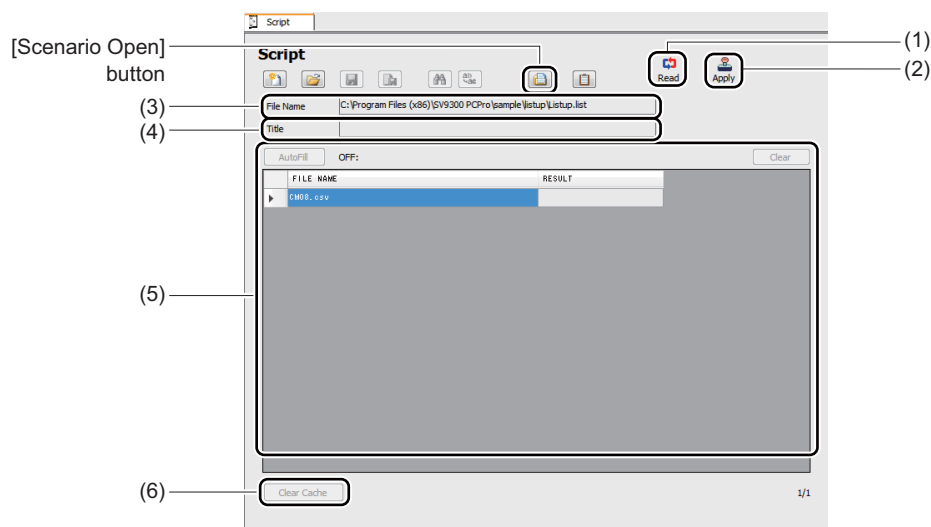
For details of the System Data Conversion Tool, see “System Data Conversion Tool”. [Page 9-24](#)

STEP1: Click the [Scenario Open] button.

The [Script] dialog box appears.

STEP2: Select the scenario file (LIST file) output by the System Data Conversion Tool, and click the [Open] button.

The scenario file output by the System Data Conversion Tool is loaded into the Script Entry Area.



No.	Item	Description
(1)	[Read] button	Click to read the contents of the scenario file shown in the Script Entry area as system data on the SV9300.
(2)	[Apply] button	Click to apply the contents of the scenario file shown in the Script Entry area as system data on the SV9300.
(3)	File Name field	Displays the drive name, path name and file name of the selected scenario file.
(4)	Title field	Displays the title area of the scenario file selected in File Name field.

Continued on next page

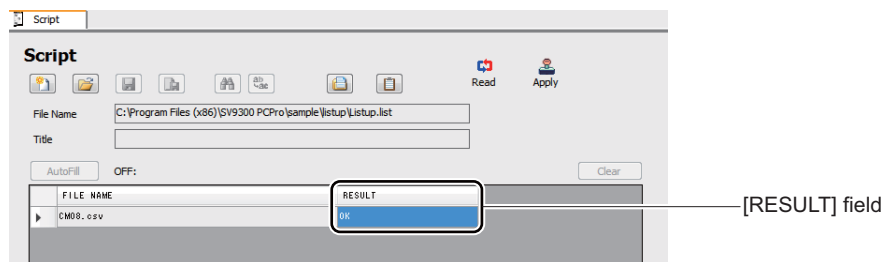
No.	Item		Description
(5)	Script Entry Area	FILE NAME field	Displays the file name of the scenario file. * If no file exists to load, the file name is indicated by Red-letter.
		RESULT field	Displays the result or the status of the loaded scenario file. Messages that may be displayed and their explanations. <ul style="list-style-type: none"> When reading the scenario file <ul style="list-style-type: none"> Blank field : A file exists FILE NOT FOUND: No file exists When operating by the [Read] button or the [Apply] button <ul style="list-style-type: none"> Blank field : Not executed PROCESSING : During execution OK : Normally completed FILE NOT FOUND : No file exists USER CANCEL : Cancel by a user FILE FORMAT ERROR: An format error of the file OUTPUT FILE ERROR : An output error of the CSV file ERROR : Other errors

STEP3: Click the [Read] or [Apply] button.

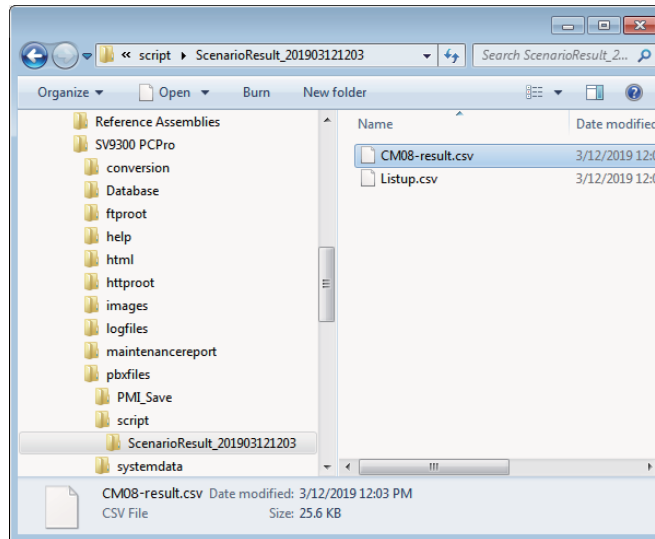
When clicking the [Read] button, the office data is listed by reading sequentially the script files.

When clicking the [Apply] button, the office data is sequentially read from script files and are written in the system.

After the office data readout is completed, the results are displayed on the RESULT field.



The read office data files are output to the following folders by each script file:
<install folder>\pbxfiles\script\ScenarioResult_YYYYMMDDHHMM
YYYYMMDDHHMM: Date and time of saved file



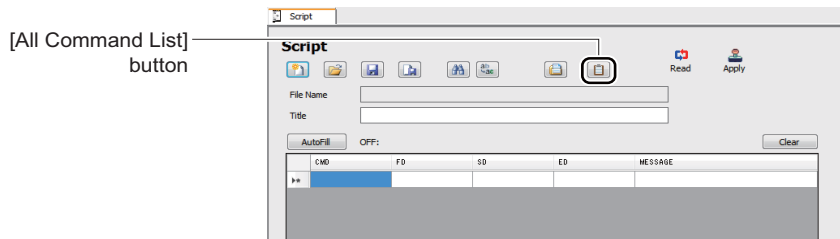
A scenario file has now been run.

■ Listing the All Office Data in the Office Data File

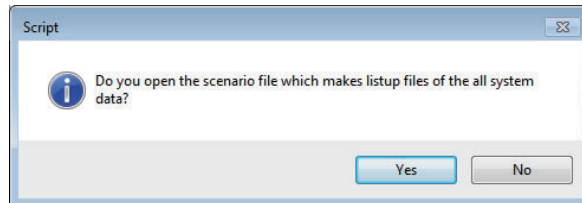
While connecting with Virtual PBX, the all office data in the office data file can be listed. If you save the listed data to script files (csv format), you can reuse the data on the [Script] menu.

To list the all office data, do the following steps:

STEP1: Click the [Listup All CMD] button.

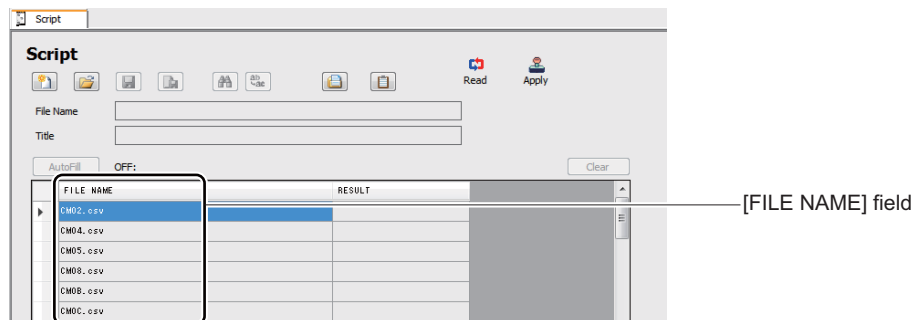


When clicking the [Listup All CMD] button, the following confirmation message for readout a scenario file appears.



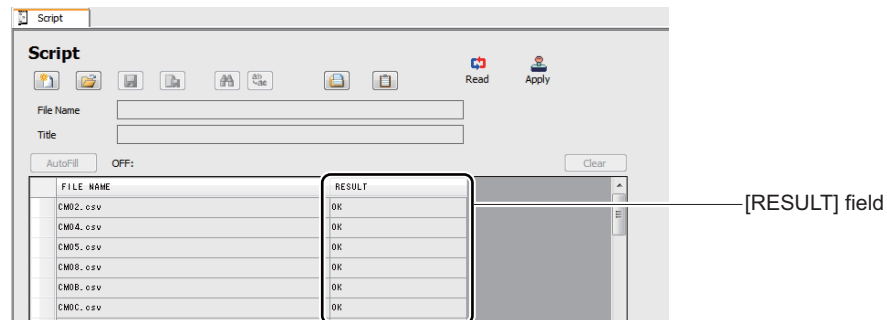
STEP2: Click the [Yes] button.

Script files in the scenario file are listed in the [FILE NAME] field.



STEP3: Click the [Read] button.

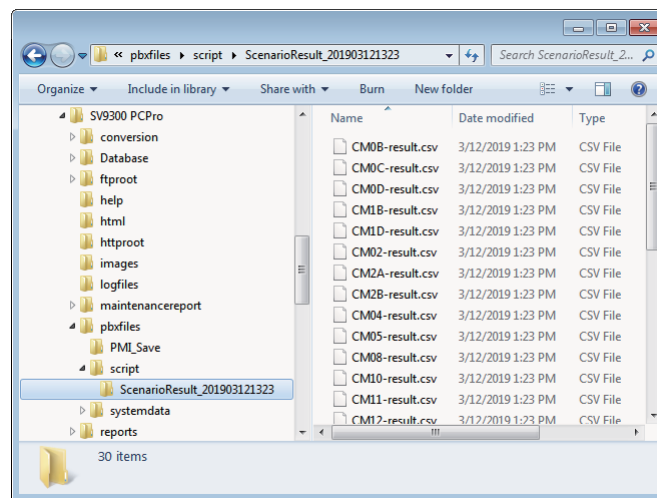
The office data in the script files are read out. After the office data readout is completed, the results are displayed on the RESULT field.



NOTE: *The execution of the script files takes twenty to thirty minutes.*

The read office data files are output to the following folders by each script file:

<install folder>\pbxfiles\script\ScenarioResult_YYYYMMddhhmm
YYYYMMddhhmm: Date and time of saved file



The all office data in the office data file have now been listed.

Station Copy/Key Copy

The [Station Copy/Key Copy] menu makes it possible to:

- Key Copy (Station Data Copy) : Overwrites station data (such as key data) of an existing station to the other station. You can specify multiple destinations at a time (destinations are specified by a station number).
☞ Page 4-108
- Copy Station : Copies/assigns a station newly using an existing station. You can specify multiple destinations at a time (destinations are specified by a station number and a port number to be accommodated).
☞ Page 4-114
- Move Station : Changes a station port of an existing station. You can specify multiple destinations at a time (destinations are specified by a port number to be accommodated).
☞ Page 4-120
- Swap Stations : Swaps the station ports of the two existing stations. You can specify multiple destinations at a time (the two existing stations to be swapped are specified by a station number).
☞ Page 4-122

The target system data and related system data on the [Station Copy/Key Copy] menu are as follows.

<Target System Data>

- CM12: Station Class-1
- CM13: Station Class-2
- CM73: Memory Allocation for Station Speed Dialing
- CM90 Y=00-05, 14: Multiline Terminal Key Assignment
- CM94: Multiline Terminal One-Touch Memory
- CME6: Call Forwarding Set*
- CMEF: Service Memory for User Web Portal

* The following system data is not included.

CME6 Y=50 (Trunk number link up with a Mobility Access station number)

CME6 Y=51 (Destination of ISDN Alternative Routing in Remote Unit survival mode)

<Related System Data>

- CM16 Y=0: Next station number in Call Pickup Group
- CM17 Y=0, 2: Next station number in UCD group/UCD Group number
- CM18 Y=0: Next station number in Station Hunting Group

- NOTE 1:** *The [Station Copy/Key Copy] menus can be executed even if the terminal is not connected to the system or the SV9300 is in an off-line state.*
- NOTE 2:** *When station data is copied, the key settings (CM90 Y=00-05, 14) assigned to My Line of the original terminal will be replaced by those assigned to My Line of the destination.*
- NOTE 3:** *If the station is assigned to any one of a Call Pickup Group/UCD Group/Station Hunting Group, the Move Station/Swap Station are not available. For the details of Call Pickup Group/UCD Group/Station Hunting Group, see “[Service] Category”. [☞ Page 4-125](#)*
- NOTE 4:** *When the station is moved or swapped, the assigned data of “Authorization Code Per Station” (CM2B Y=00-04) will be returned to default.*
- NOTE 5:** *When the station is moved or swapped, the assigned data of “Login password for User Web Portal” (set by CM2B Y=12) will be returned to default (a station number is applied as a default). Notify the station user to change the password immediately. The password can be changed by using User Web Portal.*
- NOTE 6:** *The verification whether the station to be handled by the [Station Copy/Key Copy] menu is during a telephone conversation, is not performed. If the operation by the [Station Copy/Key Copy] is performed for the stations which is during a telephone conversation, the writing of system data to the SV9300 may be failed.*
- NOTE 7:** *The Station Copy/Key Copy is available only between the same kind of terminals. However, the Station Copy is available between Digital Multiline Terminal and IP Station.*
** For the supported feature for each terminal and available system data, see the “Supported Features for Each Terminal” [☞ Page 4-105](#) and “System Data That Can Be Assigned for Each Terminal” [☞ Page 4-106](#).*
- NOTE 8:** *The [Station Copy/Key Copy] menus are not available for name display in Russian and Turkish.*

Tips 1: *Supported Features for Each Terminal*

The table below shows the supported features for each terminal by the [Station Copy/Key Copy] menu.

×: Available –: Not Available

Kind of Terminal	Key Copy (Station Data Copy)	Copy Station	Move Station	Swap Station
Single Line Telephone	×	×	×	×
Digital Multiline Terminal	×	×	×	×
IP Station	×	×	–	–
Standard SIP Station	×	×	–	–
Virtual Station	×	–	–	–
PS Station	×	×	–	–
ISDN Terminal	×	–	–	–
Modem Station	–	–	–	–
Attendant Console	–	–	–	–

Tips 2: *System Data That Can Be Assigned for Each Terminal*

The table below shows the system data that can be assigned for each terminal by the [Station Copy/Key Copy] menu.

×: Available –: Not Available

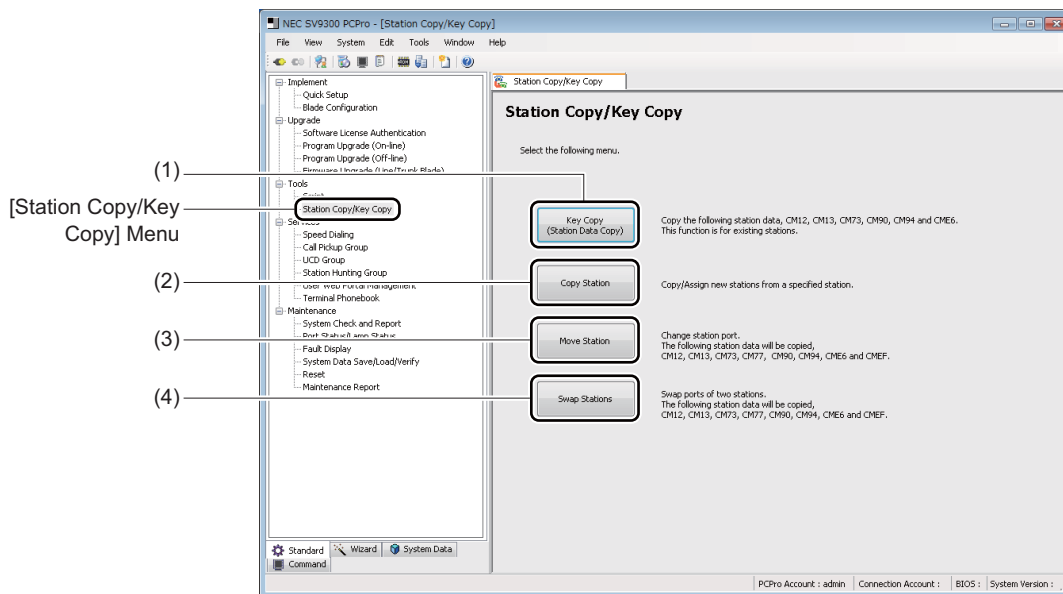
Kind of Terminal	Station Class-1 (CM12)	Station Class-2 (CM13)	Station Speed Dialing (CM73)	Key Assignment (CM90)	One-Touch Key (CM94)	Call Forwarding Set (CME6)	Service Memory for User Web Portal (CMEF)
Single Line Telephone	×	×	×	–	–	×	×
Digital Multiline Terminal	×	×	×	× ^{*1}	×	×	×
IP Station	×	×	×	× ^{*1}	×	×	– ^{*2}
Standard SIP Station	×	×	×	–	–	×	– ^{*2}
Virtual Station	×	×	–	–	–	×	–
PS Station	×	×	×	–	–	×	– ^{*2}
ISDN Terminal	×	×	–	–	–	×	–
Modem Station	–	–	–	–	–	–	–
Attendant Console	–	–	–	–	–	–	–

*1 The setting of CM90 cannot be edited.

*2 The service memory for User Web Portal Management can be set only for Move Station and Swap Station.

One of the following action will display the [Station Copy/Key Copy] screen in the work window:

- Click submenu [Station Copy/Key Copy] in Standard Mode.
- On the Main Menu, click [Tools] > [Station Copy/Key Copy] in this order.



No.	Item	Description
(1)	[Key Copy (Station Data Copy)] button	Click to copy the station data. The [Key Copy (Station Data Copy)] screen is displayed.
(2)	[Copy Station] button	Click to copy/assign stations from a specified station. The [Copy Station] screen is displayed.
(3)	[Move Station] button	Click to change a station port. The [Move Station] screen is displayed.
(4)	[Swap Stations] button	Click to swap ports of two stations. The [Swap Stations] screen is displayed.

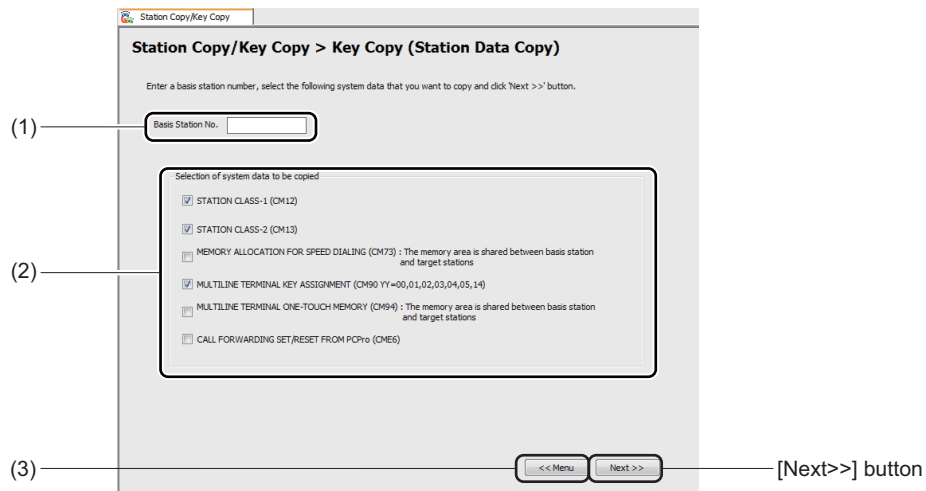
■ Key Copy (Station Data Copy)

To copy station data such as key data to a existing station, follow these steps:

NOTE: *The Key Copy (Station Data Copy) is applied only to existing stations. This feature cannot be used for a new station.*

STEP1: Click the [Key Copy (Station Data Copy)] button on the [Station Copy/Key Copy] screen. The [Key Copy (Station Data Copy)] screen for system data selection is displayed.

STEP2: Set the items (1) and (2).



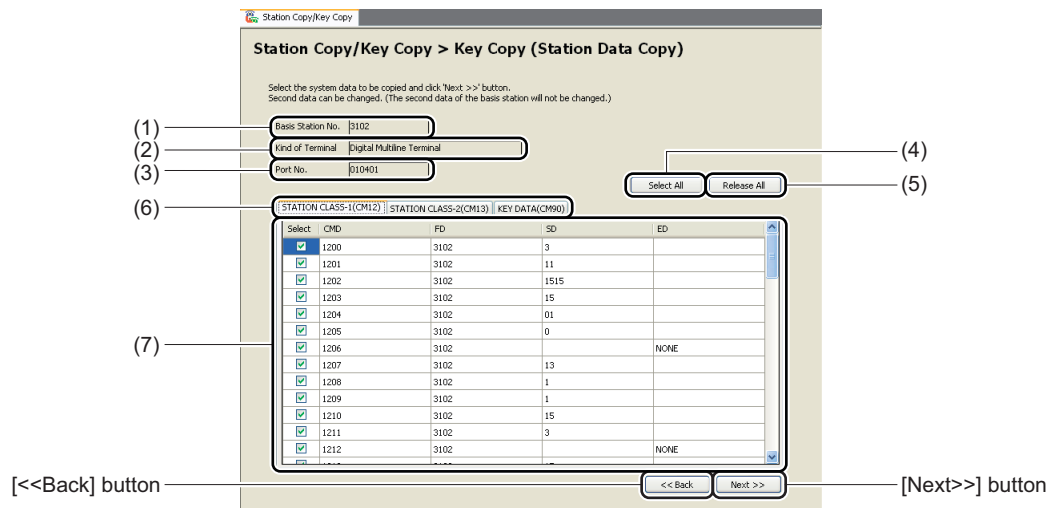
No.	Item	Description
(1)	Basis Station No. fields	<p>Enter the basis station number.</p> <ul style="list-style-type: none"> • Input characters: 0 to 9, *, #, blank field (A, B are automatically converted to *, #) • Input length: Up to 8 digits (default: blank field)

Continued on next page

No.	Item	Description
(2)	“Selection of System Data to be copied” check box	<p>Among the system data to which the station number entered in Basic Station No. field is assigned, check the system data to be copied.</p> <p>The selectable system data and default setting are as follows.</p> <ul style="list-style-type: none"> • Checked <ul style="list-style-type: none"> - Station Class-1 (CM12) - Station Class-2 (CM13) - Multiline Terminal Key Assignment (CM90 Y=00, 01, 02, 03, 04, 05, 14) • Unchecked <ul style="list-style-type: none"> - Memory Allocation For Station Speed Dialing (CM73): The memory area is shared between basis station and target stations - Multiline Terminal One-Touch Memory (CM94): The memory area is shared between basis station and target stations - Call Forwarding Set/Reset from PCPro (CME6) <p>*1 The setting as described above returns to default after a restart of the [Station Copy/Key Copy] menu.</p> <p>*2 The unselected system data remain default.</p>
(3)	[<< Menu] button	Click to return to the [Station Copy/Key Copy] screen.

STEP3: Click the [Next >>] button.
The [Key Copy (Station Data Copy)] screen for system data editing is displayed.

STEP4: Edit the SD field for each system data tab if necessary.



No.	Item	Description
(1)	Basis Station No. field	Displays the basis station number.
(2)	Kind of Terminal field	Displays the kind of terminal of the basis station number. The kind of terminals to be displayed are as follows. <ul style="list-style-type: none"> • Single Line Telephone • Digital Multiline Terminal • IP Station • Standard SIP Station/PS Terminal • ISDN Terminal
(3)	Port No. field	Displays the port number of the basis station.
(4)	[Select All] button	Click to check the check boxes of all lines in a selected system data tab.
(5)	[Release All] button	Click to uncheck the check boxes of all lines in a selected system data tab. * The [Release All] button is not effective when the [KEY DATA (CM90)] tab is selected.
(6)	[System Data] tab	Reads the system data selected in the “Selection of System Data to be copied” check box of the [Key Copy (Station Data Copy)] screen for system data selection and displays them for each system data.

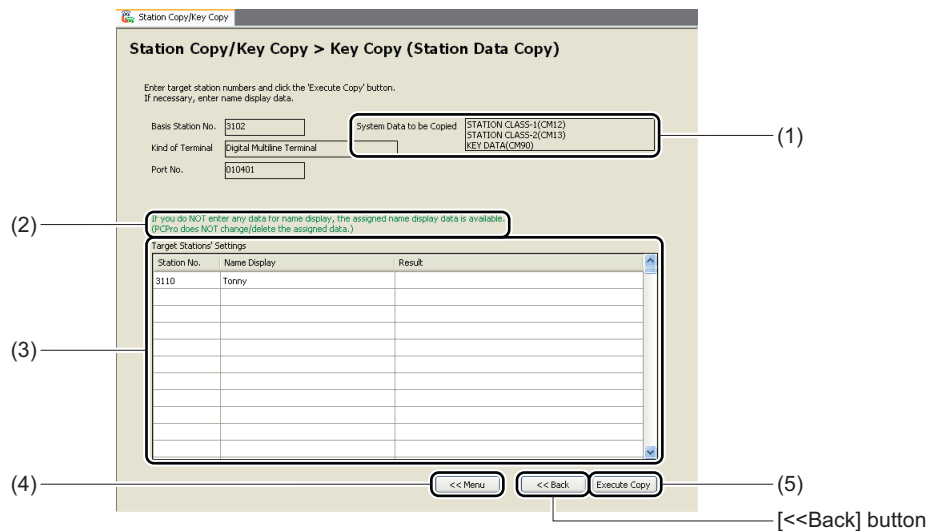
Continued on next page

No.	Item	Description
(7)	List of Read System Data Grids	“Select” check box Check the check box of the line to be copied in a selected system data tab (Default: checked). * The “checked” mark appears only when the system data read is succeeded.
	CMD field	Displays the command code and Y number.
	FD field	Displays the first data of the command code.
	SD field	Displays and/or edits the second data of the command code. • Input characters: - CM12/CM13: 0 to 9, alphabet - CM73/CM94: 0-9 - CM90: Display only (unavailable to edit) • Input length: Up to 256 digits
	ED field	Displays command code-specific SV9300 response data.

STEP5: Click the [Next >>] button.

The [Key Copy (Station Data Copy)] screen for copy execution is displayed.

STEP6: Set the items (3).

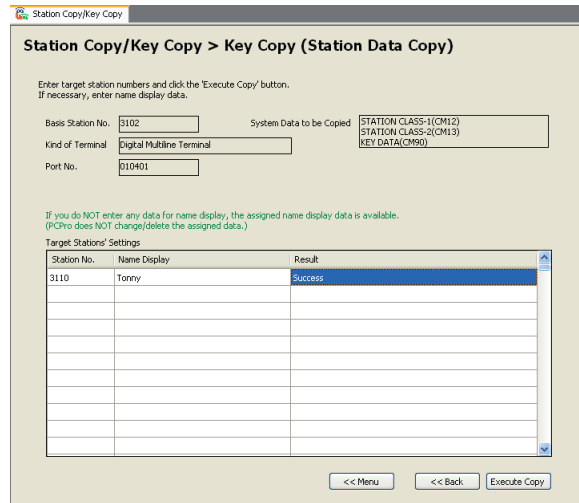


No.	Item		Description
(1)	System data to be copied field		Displays the list of system data to be copied.
(2)	Remarks field		Displays the supplemental remarks for the Target Station's Settings Area.
(3)	Target Station's Settings Area	Station No. field	Enter the copy source station number. • Input characters: 0 to 9, *, # (A, B are automatically converted to *, #) • Input length: Up to 8 digits
		Name Display field	Enter the name display information (assigned by CM77 Y=1). • Input characters: Alphabet, blank field • Input length: Up to 16 characters
		Result field	Displays the result of copy.
(4)	[<< Menu] button		Click to return to the [Station Copy/Key Copy] screen.
(5)	[Execute Copy] button		Copy the basis station data specified on the [Key Copy (Station Data Copy)] screen for system data selection to the station specified in the Target Station's Settings Area.

NOTE: *If the Name Display field is not specified in the Target Station's Settings Area, the system data remain a existing setting.*

STEP7: Click the [Execute Copy] button.

The Key Copy (Station Data Copy) is started from a lead line of the station specified in the Target Station's Settings Area. The lines for which the writing of system data is completed, "Success" is displayed on the Result fields of the lines.



NOTE: *Once the copy is started, the operation is continued to the last line even if an error occurred at writing system data to each station.*

The Key Data (Station Data) has now been copied.

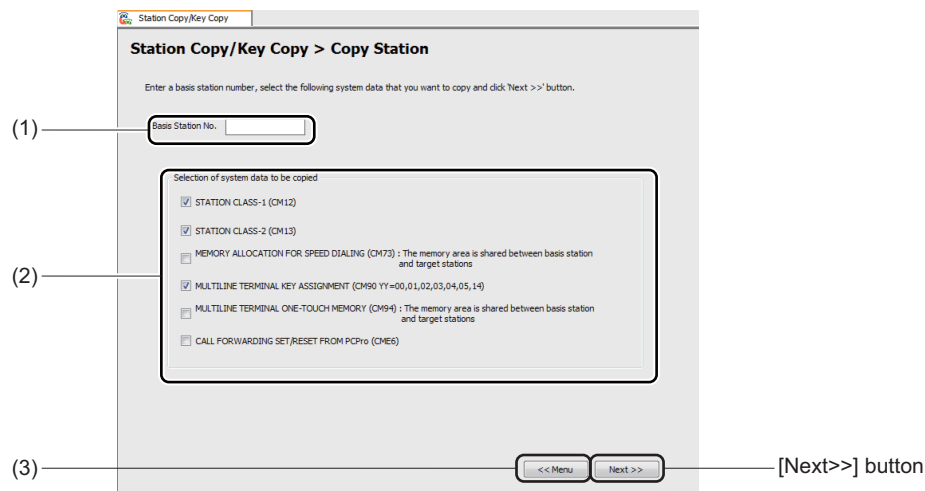
■ Copy Station

To copy/assign stations newly from a specified station, follow these steps:

NOTE: *The Copy Station newly assigns stations. You cannot overwrite the system data to an existing station.*

STEP1: Click the [Copy Station] button on the [Station Copy/Key Copy] screen.
The [Copy Station] screen for system data selection is displayed.

STEP2: Set the items (1) and (2).



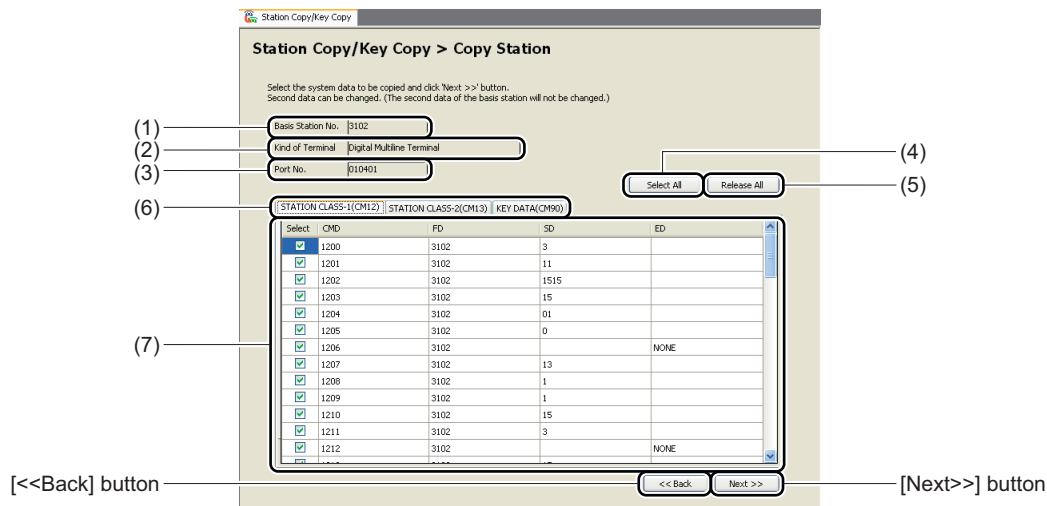
No.	Item	Description
(1)	Basis Station No. fields	<p>Enter the basis station number.</p> <ul style="list-style-type: none"> • Input characters: 0 to 9, *, # (A, B are automatically converted to *, #) • Input length: Up to 8 digits (default: blank field)

Continued on next page

No.	Item	Description
(2)	“Selection of System Data to be copied” check box	<p>Among the system data to which the station number entered in Basis Station No. field is assigned, check the system data to be copied.</p> <p>The selectable system data and default setting are as follows.</p> <ul style="list-style-type: none"> • Checked <ul style="list-style-type: none"> - Station Class-1 (CM12) - Station Class-2 (CM13) - Multiline Terminal Key Assignment (CM90 Y=00, 01, 02, 03, 04, 05, 14) • Unchecked <ul style="list-style-type: none"> - Memory Allocation For Station Speed Dialing (CM73): The memory area is shared between basis station and target stations. - Multiline Terminal One-Touch Memory (CM94): The memory area is shared between basis station and target stations. - Call Forwarding Set/Reset from PCPro (CME6) <p>*1 The setting as described above returns to default after a restart of the [Station Copy/Key Copy] menu.</p> <p>*2 The unselected system data remain default.</p>
(3)	[<< Menu] button	Click to return to the [Station Copy/Key Copy] screen.

STEP3: Click the [Next >>] button.
The [Copy Station] screen for system data editing is displayed.

STEP4: Edit the SD field for each system data tab if necessary.



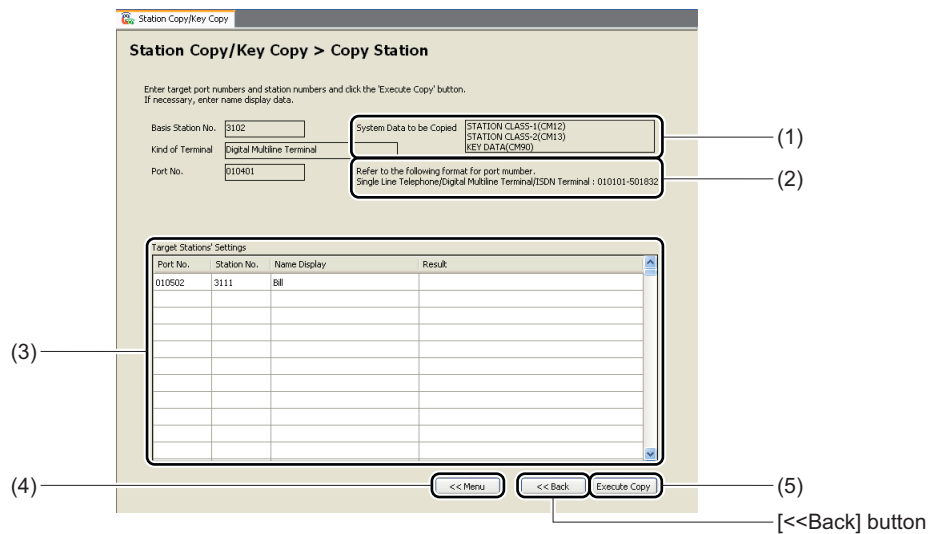
No.	Item	Description
(1)	Basis Station No. field	Displays the basis station number.
(2)	Kind of Terminal field	Displays the kind of terminal of the basis station number. The kind of terminals to be displayed are as follows. <ul style="list-style-type: none"> • Single Line Telephone • Digital Multiline Terminal • IP Station • Standard SIP Station/PS Terminal • ISDN Terminal
(3)	Port No. field	Displays the port number of the basis station number.
(4)	[Select All] button	Click to check the check boxes of all lines in a selected system data tab.
(5)	[Release All] button	Click to uncheck the check boxes of all lines in a selected system data tab. * The [Release All] button is not effective when the [KEY DATA (CM90)] tab is selected.
(6)	[System Data] tab	Reads the system data selected by the “Selection of System Data to be copied” check box of the [Copy Station] screen for system data selection and displays them for each system data.

Continued on next page

No.	Item	Description
(7)	List of Read System Data Grids	“Select” check box Check the check box of the line to be copied in a selected system data tab (Default: checked). * The “checked” mark appears only when the system data read is succeeded.
	CMD field	Displays the command code and Y number.
	FD field	Displays the first data of the command code.
	SD field	Displays and/or edits the second data of the command code. <ul style="list-style-type: none"> • Input characters: <ul style="list-style-type: none"> - CM12/CM13: 0 to 9, alphabet - CM73/CM94: 0-9 - CM90: Display only (unavailable to edit) • Input length: Up to 256 digits
	ED field	Displays command code-specific SV9300 response data.

STEP5: Click the [Next >>] button.
The [Copy Station] screen for copy execution is displayed.

STEP6: Set the item (3).



No.	Item	Description	
(1)	System Data to be copied field	Displays the list of system data to be copied.	
(2)	Remarks of Port field	Displays the range of available port numbers.	
(3)	Target Station's Settings Area	Port No. field	Enter the port number of the target station. • Input characters: 0 to 9 • Input length: 4 digits (IP Terminal), 6 digits (TDM Terminal)
		Station No. field	Enter the station number of the target station. • Input characters: 0 to 9, *, #, blank field (A, B are automatically converted to *, #) • Input length: Up to 8 digits
		Name Display field	Enter the name display information (assigned by CM77 Y=1). • Input characters: Alphabet, blank field • Input length: Up to 16 characters
		Result field	Displays the result of copy.
(4)	[<< Menu] button	Click to return to the [Station Copy/Key Copy] screen.	
(5)	[Execute Copy] button	Copy the basis station data specified in the [Copy Station] screen for system data selection to the station specified in the Target Station's Settings Area.	

STEP7: Click the [Execute Copy] button.

The copy of station data is started from a lead line of the station specified in the Target Station's Settings Area. The lines for which the writing of system data is completed, "Success" is displayed on the Result fields of the lines.

Station Copy/Key Copy > Copy Station

Enter target port numbers and station numbers and click the 'Execute Copy' button.
If necessary, enter name display data.

Basis Station No. System Data to be Copied STATION CLASS-1 (CM12)
 STATION CLASS-2 (CM13)
 KEY DATA (CM90)

Kind of Terminal

Port No. Refer to the Following format For port number:
 Single Line Telephone/Digital Multiline Terminal/TSN Terminal : 010101-501832

Target Stations' Settings

Port No.	Station No.	Name Display	Result
010502	3111	Bill	Success

<< Menu << Back Execute Copy

NOTE: *Once the copy is started, the operation is continued to the last line even if an error occurred at writing of system data to each station.*

The Station has now been copied.

■ Move Station

To change the station port, follow these steps:

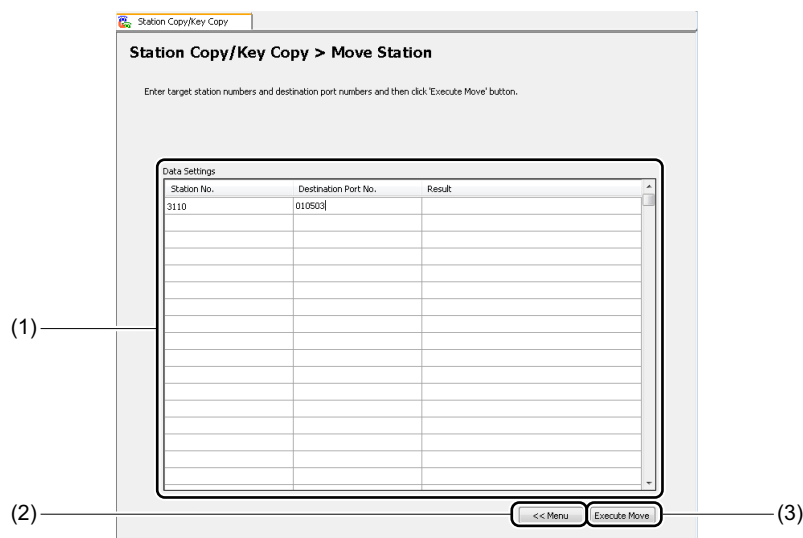
NOTE 1: *The Move Station takes over the basis station data (CM12/CM13/CM73/CM90/CM94/CME6/CMEF).*

NOTE 2: *The Move Station to the port which is in use is not available.*

NOTE 3: *The Move Station by selecting specific system data is not available.*

STEP1: Click the [Move Station] button on the [Station Copy/Key Copy] screen.
The [Move Station] screen is displayed.

STEP2: Set the item (1).



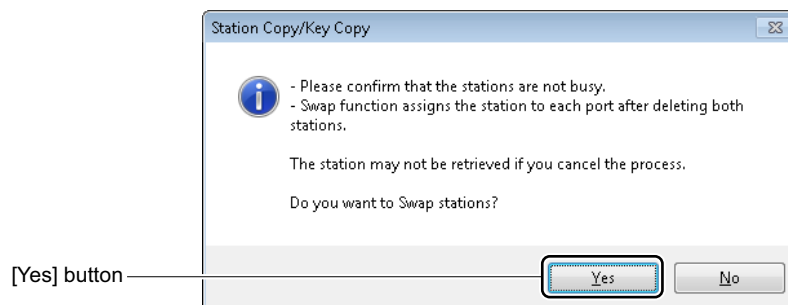
No.	Item		Description
(1)	Data Settings Area (Maximum of 500 lines)	Station No. field	Enter the basis station number. • Input characters: 0 to 9, *, # (A, B are automatically converted to *, #) • Input length: Up to 8 digits
		Destination Port No. field	Enter the destination port number. • Input characters: 0 to 9 • Input length: 6 digits
		Result field	Displays the result of moved station.
(2)	[<< Menu] button		Click to return to the [Station Copy/Key Copy] screen.

Continued on next page

No.	Item		Description
(1)	Data Settings Area (Maximum of 500 lines)	“Select” check box	Check the check box of the line to swap the stations (Default: all checked). * The check box of the line for which the Swap Stations was executed would be unchecked.
		Station No. 1 field	Enter the basis station number. • Input characters: 0 to 9, *, # (A, B are automatically converted to *, #) • Input length: Up to 8 digits
		Station No. 2 field	Enter the destination station number. • Input characters: 0 to 9, *, # (A, B are automatically converted to *, #) • Input length: Up to 8 digits
		Result field	Displays the result of swapped station.
(2)	[<< Menu] button		Click to return to the [Station Copy/Key Copy] screen.
(3)	[Execute Swap] button		Swaps the station data specified in the Station No. 1 field and the station data specified in the Station No. 2 field.

STEP3: Click the [Execute Swap] button.

After clicking the [Execute Swap] button, the following dialog box is displayed.



[Service] Category

The [Service] Category is organized into the following four submenus:

- Speed Dialing
- Call Pickup Group [Page 4-170](#)
- UCD Group [Page 4-183](#)
- Station Hunting Group [Page 4-197](#)
- User Web Portal Management [Page 4-210](#)
- Terminal Phonebook [Page 4-230](#)

Speed Dialing

The [Speed Dialing] menu allows you to set the service (such as Station Speed Dialing/One-Touch Dialing, System Speed Dialing (2-4 digits)) used for each 1000-Slot Memory block number, allocate memory areas used for each service and set the called party number/station number, station name, illumination color and others for each block number.

In the Station Speed Dialing/One Touch-Dialing, System Speed Dialing (2-4 digits) settings, you can confirm memory areas which can be assigned by displaying the list of memory area usage (allocated/none) for each block number on the [Memory Area Allocation] screen. In addition, by editing the memory area for each block number, you can set the Speed Dialing easily. In the [Speed Dialing] menu, you can use the features as shown the table below.

<Uses of Speed Dialing>

Setting Screen	Features	Summary	Reference Page
Speed Dialing > Usage of 1000-Slot Memory Block Number	Usage settings of Speed Dialing	Assign the services to be used for each 1000-Slot Memory Block number (00-99). Enable to assign the following services. <ul style="list-style-type: none"> • System Speed Dialing (Tenant)/Calling Name Display • System Speed Dialing (for all Tenants)/Calling Name Display • Station Speed Dialing/One-Touch Dialing 	Page 4-133

<System Speed Dialing (Calling Name Display)>

Setting Screen	Features	Summary	Reference Page
Speed Dialing > Memory Allocation for System Speed Dialing	Range Settings	Enable to set the memory area (1000-Slot Memory Block number, Starting 10-Slot Memory Block number, the number of 10-Slot Memory Blocks, settings for all tenants) for each tenant number.	Page 4-135
	Release Memory Area	Enable to clear the allocated memory area for each tenant number.	Page 4-138
Speed Dialing > Directory Number Assignment for System Speed Dialing	Settings of Access Code, Called Party Number/ Station Number, Station Name, Illumination Color and Department	By specifying a tenant number, enable to set/change the Access Code, called party number/ station number, Station Name, Illumination Color and Department for each block number.	Page 4-139

<Station Speed Dialing/One-Touch Dialing>

Setting Screen	Features	Summary	Reference Page
Speed Dialing > Memory Allocation for Station Speed/One-Touch Dialing	Range Settings	Enable to set memory areas used for each station number (1000-Slot Memory Block number, Starting 10-Slot Memory Block number, facility for programming, the number of 10-Slot Memory Blocks). * You can also assign memory areas by specifying two or more station numbers at a time.	Page 4-143
	Release Memory Area	Enable to clear the allocated memory area for each station number. * You can also release memory areas by specifying two or more station numbers at a time.	Page 4-145
Speed Dialing > Directory Number Assignment for Station Speed Dialing	Settings of Access Code, Called Party Number/Station Number, Station Name, Illumination Color and Department	By specifying a station number, enable to set/change the Access Code, called party number/station number, Station Name, Illumination Color and Department for each block number.	Page 4-147

Continued on next page

Setting Screen	Features	Summary	Reference Page
Memory Area Allocation	Verifying Memory Area Usage	Enable to confirm the memory area usage (allocated/none) for each 10-Slot Memory Block number (00-99) (confirmed by 10-Slot Memory Block).	Page 4-158
	Verifying Setting Status of Allocated Memory Area	Enable to confirm the following setting statuses for the allocated memory area. <ul style="list-style-type: none"> • Block numbers to be used and the setting status • Services in use (Station Speed Dialing/One-Touch Dialing) • Station Number • The number of 10-Slot Memory Block to be used and the setting status 	Page 4-159
	Memory Area Allocation by Block Number Specification	Enable to assign memory areas by specifying the un-allocated memory block number.	Page 4-160
	Editing 10-Slot Memory Block	Enable to set/change the Access Code, called party number/station number, Station Name for each allocated/un-allocated memory block number.	Page 4-161
	Clearing Data in the 10-Slot Memory	Enable to clear the data for 10-Slot Memory Block which is left in un-allocated memory area.	Page 4-162

Continued on next page

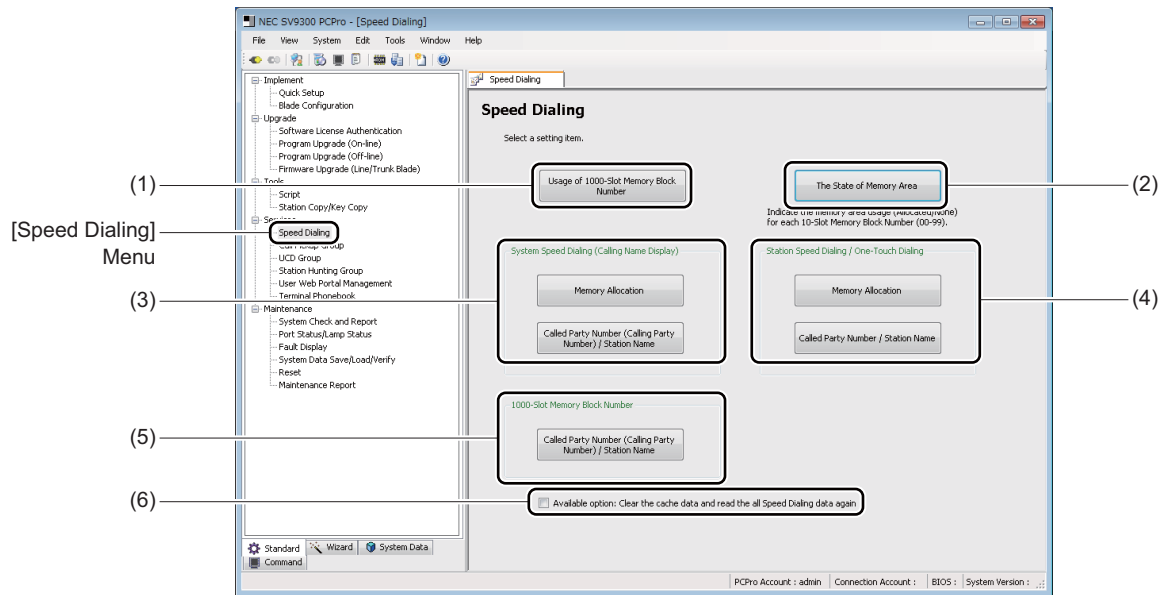
Setting Screen	Features	Summary	Reference Page
Memory Area Allocation	Changing the Number of Memory Blocks for Use	Enable to change the number of memory blocks in an allocated memory area for each block number.	Page 4-163
	Moving Memory Area	Enable to move the setting of allocated memory area to the un-allocated memory area.	Page 4-164
	Releasing Memory Blocks for Use	Enable to clear the allocated memory area for each block number.	Page 4-166
	Adding Stations (Station Speed Dialing)	Enable to add stations to the allocated memory area set to Station Speed Dialing.	Page 4-167
	Searching Memory Area that the Station Uses	Enable to search the memory area being used for each station number (appropriate memory areas are displayed in a different color).	Page 4-169

<Settings for Each 1000-Slot Memory Block Number>

Setting Screen	Features	Summary	Reference Page
Speed Dialing > Called Party Number (Calling Party Number)/ Station Name for 1000-Slot Memory Block Number	Speed Dialing > Called Party Number (Calling Party Number)/Station Name/Illumination Color/ Department settings for 1000-Slot Memory Block Number	<p>Provides, for the specified block number range, the following functions.</p> <ul style="list-style-type: none"> • Setting or changing: <ul style="list-style-type: none"> - Called/Calling party number - Station name (in Latin alphabet/simplified Chinese/traditional Chinese) - Illumination color - Department <p>Also provides the following search functions.</p> <ul style="list-style-type: none"> • Search through the entire speed dialing data set (up to 100,000 records) • Editing the resulting data <p>Specify search fields and criteria such as called party number, name or specific key words.</p>	Page 4-151

Do either of the following to see the [Speed Dialing] screen in the work window:

- Click [Speed Dialing] on the standard mode submenu.
- On the Main Menu, click [Edit] > [Speed Dialing] in this order.



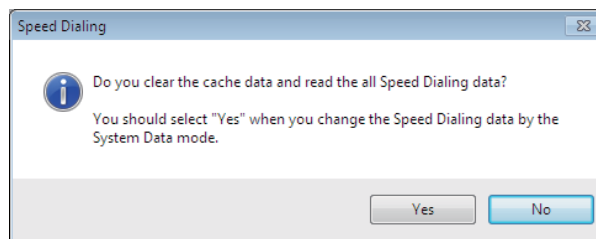
No.	Item	Description
(1)	[Usage of 1000-Slot Memory Block Number] button	<p>Click to assign any of the following services for 1000-Slot Memory Block numbers.</p> <ul style="list-style-type: none"> • System Speed Dialing (Tenant)/Calling Name Display • System Speed Dialing (for All Tenants)/Calling Name Display • Station Speed Dialing/One-Touch Dialing

Continued on next page

No.	Item		Description
(2)	[The State of Memory Area] button		<p>Click to display the following statuses of memory area use by the 10-Slot Memory Block.</p> <ul style="list-style-type: none"> • Setting statuses of called party numbers in each 10-Slot Memory Block. • Memory allocation statuses of Station Speed Dialing/One-Touch Dialing • 10-Slot Memory Block allocation for stations and modification of the number of allocated 10-Slot Memory Block • Search of the 10-Slot Memory Block allocated to stations
(3)	System Speed Dialing (Calling Name Display)	[Memory Allocation] button	For tenants, click to allocate the 10-Slot Memory Block to be used for System Speed Dialing.
		[Called Party Number (Calling Party Number)/Station Name] button	Click to assign the called party number (calling party number), station name, illumination color and department to Block numbers for System Speed Dialing.
(4)	Station Speed Dialing/One-Touch Dialing	[Memory Allocation] button	For station numbers, click to assign the 10-Slot Memory Block to be used for Station Speed Dialing/One-Touch Dialing.
		[Called Party Number/Station Name] button	Click to assign the called party number, station name, illumination color and department to Block numbers for Station Speed Dialing/One-Touch Dialing.
(5)	1000-Slot Memory Block Number	[Called Party Number (Calling Party Number)/Station Name] button	Click to assign the called party number (calling party number), station name, illumination color and department to Block numbers.
(6)	“Available option: Clear the cache and read the all Speed Dialing data again” check box		Click to clear the cache and read the all Speed Dialing data again.

Tips 1: When system data settings related to Speed Dialing is changed using other features such as the System Data Mode, the latest setting status and the indication on the [Speed Dialing] screen may not be corresponded. To obtain the latest cache data, check the “Available option: Clear the cache and read the all Speed Dialing data again” check box before reading data.

Tips 2: Reading Speed Dialing data when “Available option: Clear the cache and read the all Speed Dialing data again” check box is checked, the following dialog box is displayed.



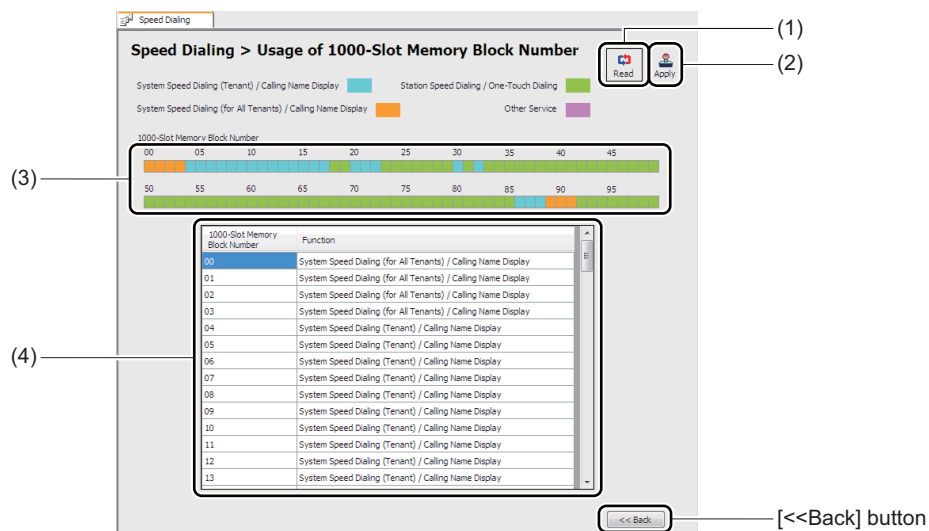
To clear the cache and read the all Speed Dialing data, click the [Yes] button. To read the cache stored up to now, click the [No] button.

■ Usage of 1000-Slot Memory Block Number

To assign a service to be used for each 1000-Slot Memory Block number, follow these steps:

STEP1: Click the [Usage of 1000-Slot Memory Block Number] button on the [Speed Dialing] screen.

The [Usage of 1000-Slot Memory Block Number] screen is displayed.



No.	Item		Description
(1)	[Read] button		Click to read the setting status of 1000-Slot Memory Block number.
(2)	[Apply] button		Click to write the set contents to the SV9300.
(3)	Display area for status of 1000-Slot Memory Block Allocation		Displays the status of memory area allocation using different colors for each 1000-Slot Memory Block number (00-99). <ul style="list-style-type: none"> • Blue : System Speed Dialing (Tenant)/Calling Name Display • Orange: System Speed Dialing (for All Tenants)/Calling Name Display • Green : Station Speed Dialing/One-Touch Dialing • Pink : Other Service
(4)	Setting Area	1000-Slot Memory Block Number field	Displays the 1000-Slot Memory Block number <ul style="list-style-type: none"> • 1000-Slot Memory Block Number: 00-99
		Function field	Select the service to be used from the dropdown list. The following services can be selected. <ul style="list-style-type: none"> • System Speed Dialing (Tenant)/Calling Name Display • System Speed Dialing (for All Tenants)/Calling Name Display • Station Speed Dialing/One-Touch Dialing

STEP2: Click the [Read] button.

PCPro starts reading the services assigned for 1000-Slot Memory Block numbers.

STEP3: Verify the contents displayed on the setting area.

STEP4: Select the Setting Status field for each 1000-Slot Memory Block number. Then, select the service to be used from the dropdown list.

The [Number of un-allocated 10-Slot memory blocks] screen is displayed.

STEP5: Click the [Apply] button.

Services to be used for 1000-Slot Memory Block numbers have now been assigned.

■ Memory Allocation for System Speed Dialing

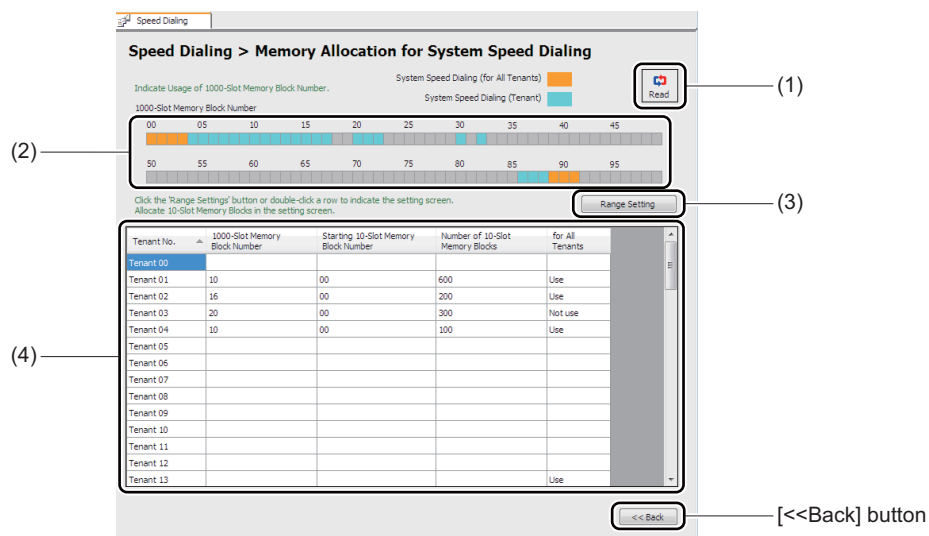
In the memory allocation for System Speed Dialing, you can assign or release the memory area to be used for each tenant.

<Range Settings>

To assign the memory area to be used for System Speed Dialing, follow these steps:

STEP1: Click the [Memory Allocation] button of System Speed Dialing (Calling Name Display) on the [Speed Dialing] screen.

The [Memory Allocation for System Speed Dialing] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the setting status for each tenant number.
(2)	Display area for the status of 1000-Slot Memory Block allocation	Displays the setting status of 1000-Slot Memory Blocks by different colors for each 1000-Slot Memory Block number. <ul style="list-style-type: none"> • Orange: System Speed Dialing (for All Tenants) • Blue : System Speed Dialing (Tenant)
(3)	[Range Settings] button	Click to assign 10-Slot Memory Blocks to be used for tenants. The [Memory Allocation for Tenant] screen is displayed when you click this button.

Continued on next page

No.	Item		Description
(4)	Setting Area	Tenant No. field	Displays the Tenant numbers. • Tenant Number: 00-63 * Tenant numbers can be set on the [Memory Allocation for Tenant] screen.
		1000-Slot Memory Block Number field	Displays the 1000-Slot Memory Block numbers. • 1000-Slot Memory Block number: 00-99 * 1000-Slot Memory Block numbers can be set on the [Memory Allocation for Tenant] screen.
		Starting 10-Slot Memory Block Number field	Displays the Starting 10-Slot Memory Block numbers. • Starting 10-Slot Memory Block Number: 00-99 * Starting 10-Slot Memory Block numbers can be set on the [Memory Allocation for Tenant] screen.
		Number of 10-Slot Memory Blocks field	Displays the number of 10-Slot Memory Blocks. • Number of 10-Slot Memory Blocks: 1-1000
		For All Tenants field	Displays the status of All Tenants area use. • For All Tenants: Use/Not use

STEP2: Click the [Read] button.

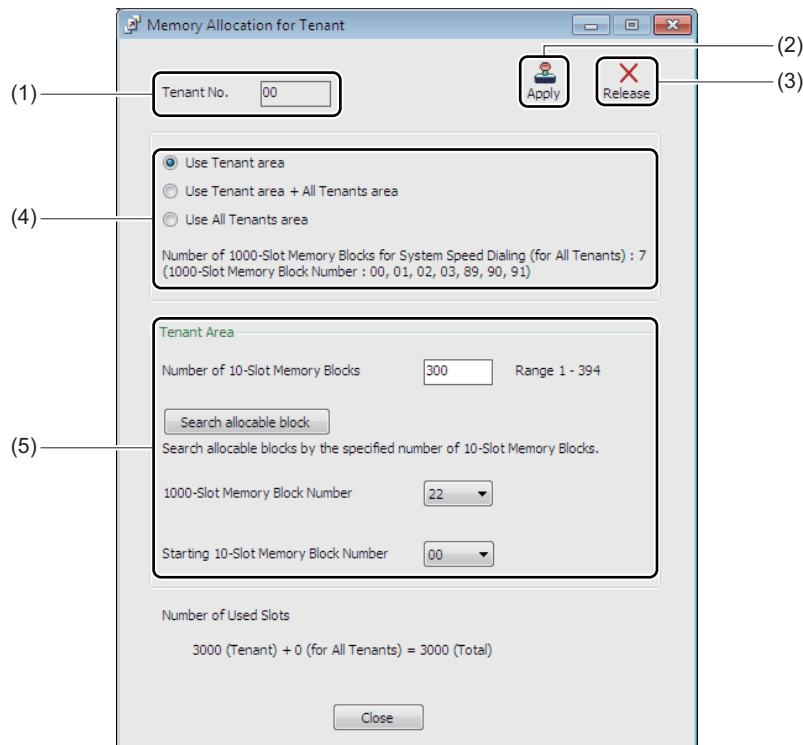
PCPro starts reading the services assigned for Tenants numbers.

STEP3: Verify the contents displayed on the setting area.

STEP4: Select the Tenant number and click the [Range Setting] button.

The [Memory Allocation for Tenant] screen is displayed.

* The [Memory Allocation for Tenant] screen can also be displayed by double clicking an appropriate line.



No.	Item	Description
(1)	Tenant No. field	Displays the Tenant number selected on the [Memory Allocation for System Speed Dialing] screen. • Tenant Number: 00-63
(2)	[Apply] button	Click to write the set contents to the SV9300.
(3)	[Release] button	Click to release the assigned 10-Slot Memory Blocks.
(4)	Memory Area to be used for Tenants	Select the memory area to be used for tenants by the following radio buttons. • [Use Tenant area] radio button • [Use Tenant area + All Tenants area] radio button • [Use All Tenants area] radio button

Continued on next page

No.	Item		Description
(5)	Tenant Area	Number of 10-Slot Memory Blocks field	Specify the number of 10-Slot Memory Blocks. • Number of 10-Slot Memory Blocks: 1-1000 * The number of 10-Slot Memory Blocks assigned for Tenant area differs depending on the setting status of System Speed Dialing. The range of allocatable 10-Slot Memory Blocks numbers is displayed on the right side of the number of 10-Slot Memory Blocks field with "Range X-XXXX". Therefore, assign the number of 10-Slot Memory Blocks within the range.
		[Search allocable block] button	If you click this button, PCPro searches the available 1000-Slot Memory Block numbers and 10-Slot Memory Block numbers. Then displays the searched numbers on the 1000-Slot Memory Block Number field and the Starting 10-Slot Memory Block Number field.
		1000-Slot Memory Block Number field	Specify the 1000-Slot Memory Block number. • 1000-Slot Memory Block number: 00-99
		Starting 10-Slot Memory Block Number field	Specify the Starting 10-Slot Memory Block number. • Starting 10-Slot Memory Block number: 00-99

STEP5: Specify the memory area to be used for Tenants using radio buttons.

STEP6: Specify the number of 10-Slot Memory Block field, the 1000-Slot Memory Block Number field and the Starting 10-Slot Memory Block Number field.

STEP7: Click the [Apply] button.

Memory areas for System Speed Dialing have now been allocated.

<Release Memory Area>

To release the memory area to be used for System Speed Dialing, follow these steps:

STEP1: Repeat the operations from STEP1 to STEP4 of <Range Settings>.

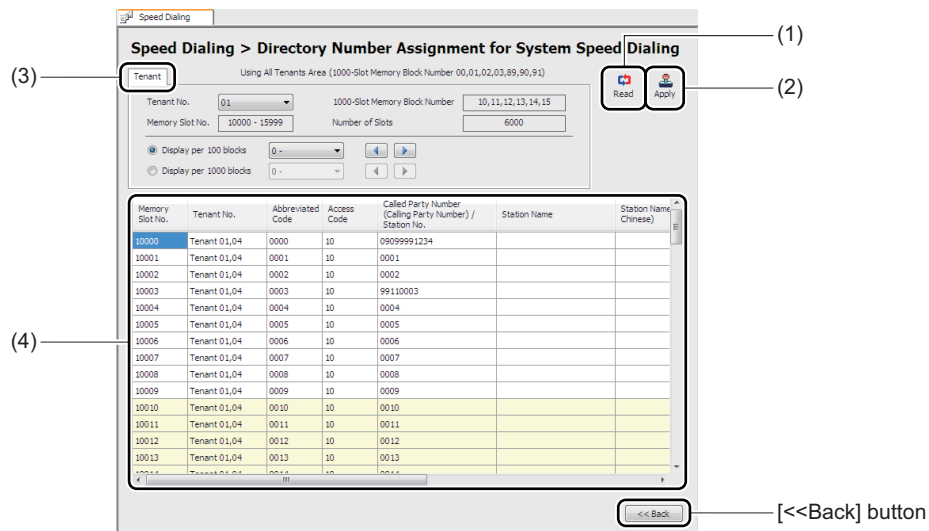
STEP2: Click the [Release] button on the [Memory Allocation for Tenant] screen.

Memory areas for System Speed Dialing have now been released.

■ Directory Number Assignment for System Speed Dialing

To assign the Called Party number (Calling Party number)/Station number and Station Name for System Speed Dialing for each tenant, follow these steps:

- STEP1: Click the [Called Party Number (Calling Party Number/Station Name)] button of System Speed Dialing (Calling Name Display) on the [Speed Dialing] screen.
The [Directory Number Assignment for System Speed Dialing] screen is displayed.



No.	Item		Description
(1)	[Read] button		Click to read the called party number/station number and called party name registered to the Memory Slot No.
(2)	[Apply] button		Click to write the set contents to the SV9300.
(3)	[Tenant] tab	Tenant No. field	Specify the Tenant number from the dropdown list. • Tenant Number: 00-63
		1000-Slot Memory Block Number field	Displays the 1000-Slot Memory Block number assigned to the Tenant number.
		Memory Slot No. field	Displays the Memory Slot number assigned to the Tenant number.
		Number of Slots field	Displays the number of slots assigned to the Tenant number.

Continued on next page

No.	Item		Description
(3)	[Tenant] tab	[Display per 100 blocks] radio button	Check to display Block number by 100 blocks. Select the number of blocks to be displayed from the dropdown list. • Number of blocks to be displayed: 0-/100- * The dropdown list can be selected only when the [Display per 100 blocks] radio button is checked.
		[Display per 1000 blocks] radio button	Check to display Block number by 1000 blocks. Select the number of blocks to be displayed from the dropdown list. • Number of blocks to be displayed: 0-/1000- * The dropdown list can be selected only when the [Display per 1000 blocks] radio button is checked.
(4)	Setting Area	Memory Slot No. field	Displays the Memory Slot number.
		Tenant No. field	Displays the Tenant number.
		Abbreviated Code field	Displays the Abbreviated Code for System Speed Dialing.
		Access Code field	Assign the Access Code. • Access Code: 0-9, *, # (up to 4 digits) (however, A, B are automatically converted to *, #)
		Called Party Number (Calling Party Number)/ Station No. field	Assign the Called Party number (Calling Party number)/ Station number. • Called Party Number (Calling Party Number)/Station No.: 0-9, C, D, *, # (up to 26 digits) (however, A, B are automatically converted to *, #)
		Station Name field	Assign the Station name of Called Party (up to 16 characters).
		Illumination Color field	Select an illumination color for each calling party assigned to the Block number when an incoming call is terminated. • Illumination Color: Red, Green, Blue, Yellow, Purple, Light Blue, White, Rotation.

Continued on next page

No.	Item		Description
(4)	Setting Area	Department field	Select the Department from the dropdown list. • Department: 00-99/NONE * When Department Name is registered, the [00: Department Name] is displayed.

STEP2: Click the [Read] button.

PCPro starts reading the 10-Slot Memory Blocks assigned for Tenants numbers.

STEP3: Verify the contents displayed on the setting area.

STEP4: Set the Access Code field, Called Party Number (Calling Party Number)/Station No. field, Station Name field, Illumination Color field and Department field, then click the [Apply] button.

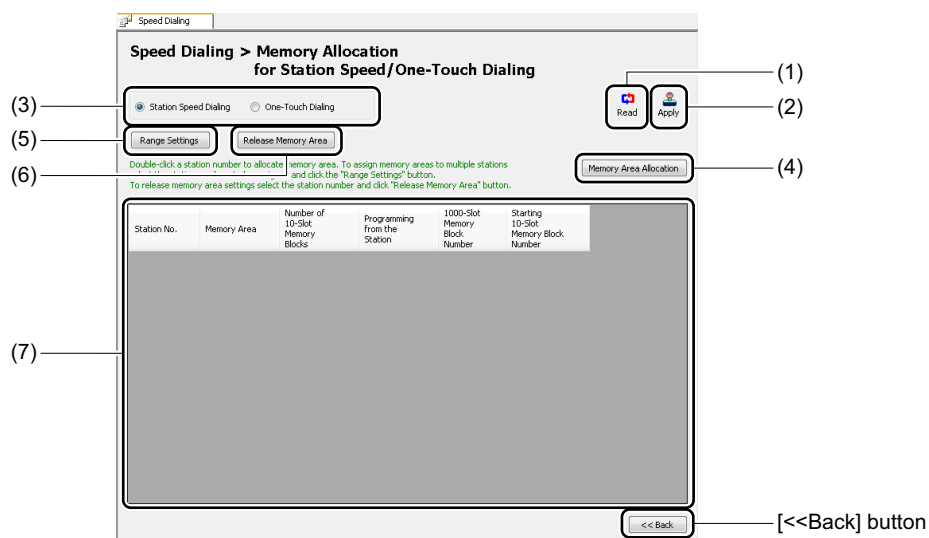
The directory number for System Speed Dialing has now been assigned.

■ Memory Allocation for Station Speed/One-Touch Dialing

In the [Memory Allocation for Station Speed/One-Touch Dialing] settings, you can assign or release memory areas to be used for each station at a time.

Tips: *In Memory Allocation for Station Speed/One-Touch Dialing, approximately 200 lines of data can be read in about 5 minutes.*

When you click the [Memory Allocation] button for Station Speed/One-Touch Dialing on the [Speed Dialing] screen, the [Memory Allocation for Station Speed/One-Touch Dialing] screen is displayed.



No.	Item		Description
(1)	[Read] button		Click to read the memory area setting status for each station number.
(2)	[Apply] button		Click to write the set contents to SV9300.
(3)	Feature Selection Area	[Station Speed Dialing] radio button	Check to assign the memory area to be used for Station Speed Dialing.
		[One-Touch Dialing] radio button	Check to assign the memory area to be used for One-Touch Dialing.
(4)	[Memory Area Allocation] button		Click to verify the memory area usage for each block number on the [Memory Area Allocation] screen and specify the block number to edit the memory area.
(5)	[Range Settings] button		Click to assign the memory area for the two or more stations at a time on the [Memory Allocation] screen.
(6)	[Release Memory Area] button		Click to delete the memory area assigned to the stations at a time on the [Memory Allocation] screen.
(7)	Setting Area	Station No. field	<p>Displays the station numbers which are registered to the system.</p> <p>Kinds of station to be displayed are as follows.</p> <ul style="list-style-type: none"> • For Station Speed Dialing <ul style="list-style-type: none"> Single Line Station Multiline Terminal IP Multiline Terminal PHS/SIP Station • For One-Touch Dialing <ul style="list-style-type: none"> Multiline Terminal IP Multiline Terminal
		Memory Area field	<p>Displays the setting status of memory areas for station numbers.</p> <ul style="list-style-type: none"> • Memory Area: Allocated/None

Continued on next page

No.	Item		Description
(7)	Setting Area	Number of 10-Slot Memory Blocks field	Displays the number of 10-Slot Memory Blocks in the assigned memory areas. <ul style="list-style-type: none"> • For Station Speed Dialing: 1-100 • For One-Touch Dialing : 1-4
		Programming from the Station field	Select the facility for programming the dialed number from the station from a dropdown list. <ul style="list-style-type: none"> • Programming from the Station: Allowed/Not allowed
		1000-Slot Memory Block Number field	Displays the 1000-Slot Memory Block number of the Block number. <ul style="list-style-type: none"> • 1000-Slot Memory Block number: 00-99
		Starting 10-Slot Memory Block Number field	Displays the Starting 10-Slot Memory Block number of the Block number. <ul style="list-style-type: none"> • 10-Slot Memory Block number: 00-99

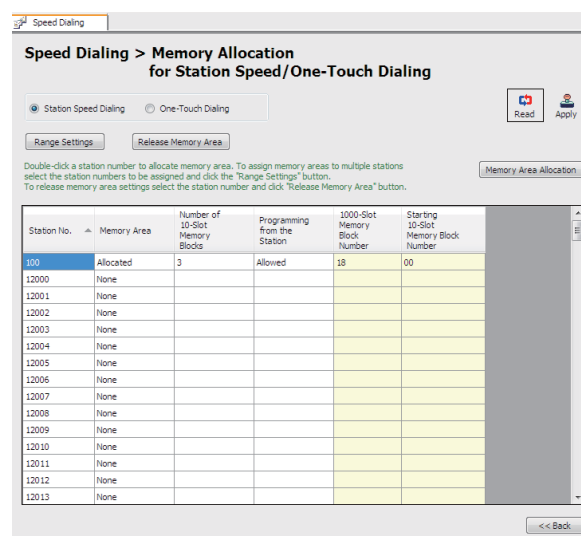
<Range Settings>

To assign memory areas to be used for each station number at a time, follow these steps:

STEP1: Check the [Station Speed Dialing] radio button or the [One-Touch Dialing] radio button, then click the [Read] button.

PCPro starts reading the memory area setting status for the registered station numbers.

STEP2: Verify the contents displayed on the Setting Area.



Tips: *Verifying Memory Area Usage and Editing Memory Area*

When you click the [Memory Area Allocation] button, the [Memory Area Allocation] screen is displayed. In the [Memory Area Allocation] screen, you can verify the memory area usage for each block number and edit the memory area such as the memory area allocation by the block number specification.

For the details, refer to the “Verifying Memory Area Usage and Editing Memory Area”.

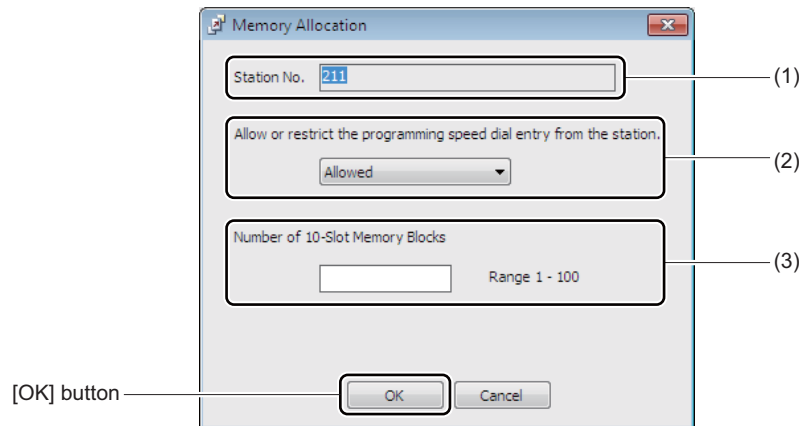
[Page 4-156](#)

STEP3: Select the station number (multiple selections are available) to assign the memory area, then click the [Range Settings] button.

The [Memory Allocation] screen is displayed.

* To set the number of 10-Slot Memory Blocks and the facility for programming by one station, double-click the appropriate line to assign the memory area.

STEP4: Set the items (2) and (3), then click the [OK] button.



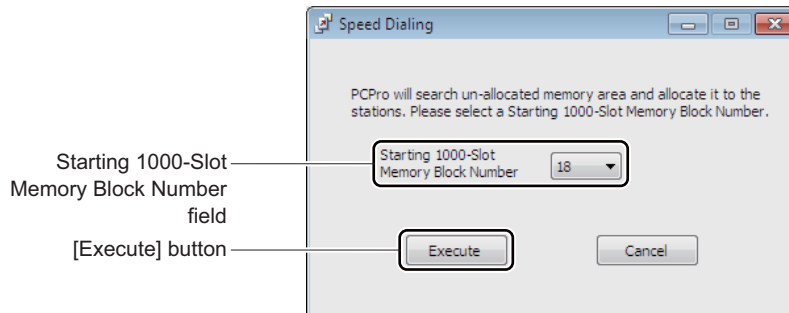
No.	Item	Description
(1)	Station No. field	Displays the selected station number.
(2)	Allow or restrict the programming speed dial entry from the station field	Select whether the programming speed dial entry from the station is allowed or restricted from a dropdown list. <ul style="list-style-type: none"> • Allow or restrict the programming speed dial entry from the station: Allowed/Not allowed
(3)	Number of 10-Slot Memory Blocks field	Enter the number of 10-Slot Memory Blocks. <ul style="list-style-type: none"> • For Station Speed Dialing: 1-100 • For One-Touch Dialing : 1-4

If you click the [OK] button, the indication in the Memory Area field changes to “(Changing)”.

STEP5: Click the [Apply] button.

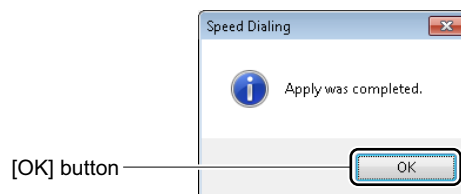
The [Speed Dialing] dialog box is displayed when you click the [Apply] button.

STEP6: Specify the Starting 1000-Slot Memory Block Number field, then click the [Execute] button.



When the memory area allocation is completed, a dialog box is displayed to notify the completion of the process.

STEP7: Click the [OK] button.



Range settings have now been completed.

<Release Memory Area>

To delete memory areas assigned to the stations at a time, follow these steps:

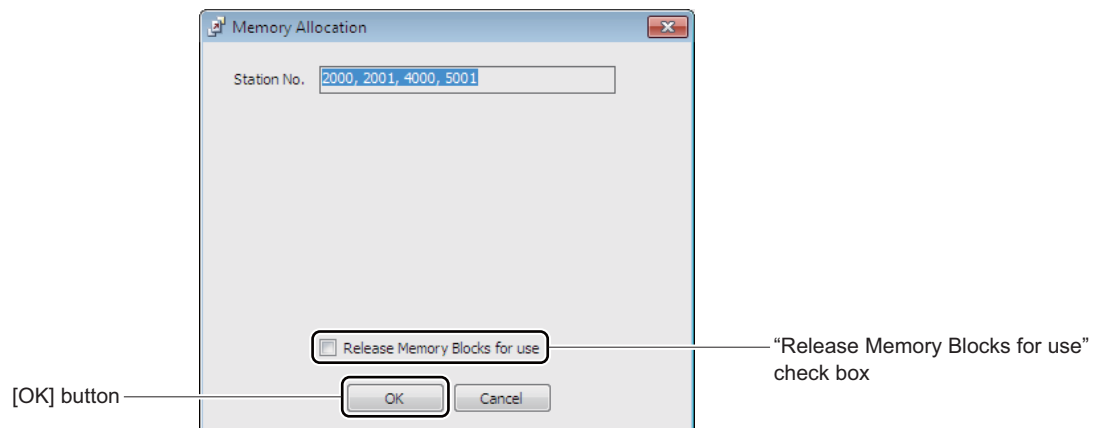
STEP1: Check the [Station Speed Dialing] radio button or the [One-Touch Dialing] radio button, then click the [Read] button.

PCPro starts reading the memory area setting status for the registered station numbers.

STEP2: Select the station number (multiple selections are available) to delete the memory area, then click the [Release Memory Area] button.

The [Memory Allocation] screen is displayed.

STEP3: Check the “Release Memory Blocks for use” check box, then click the [OK] button.



STEP4: Click the [Apply] button.

A dialog box is displayed to confirm the deletion of the 10-Slot Memory Block data.

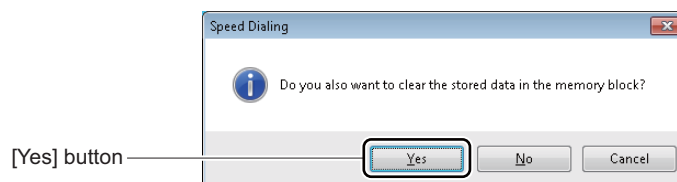
Tips: *When Deleting Memory Area by One Station*

To delete the assigned memory area by one station, do the following operations.

- 1. Right-click the registered station number from the Station No. field on the Setting Area.*
- 2. Click the “Release Memory Blocks for use” on the displayed menu.*
- 3. Click the [Apply] button.*

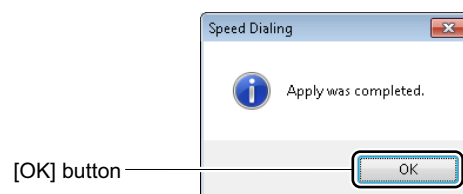
The memory area of the selected station number will be deleted.

STEP5: Click the [Yes] button.



When the deletion of the memory areas is completed, a dialog box is displayed to notify the completion of the process.

STEP6: Click the [OK] button.



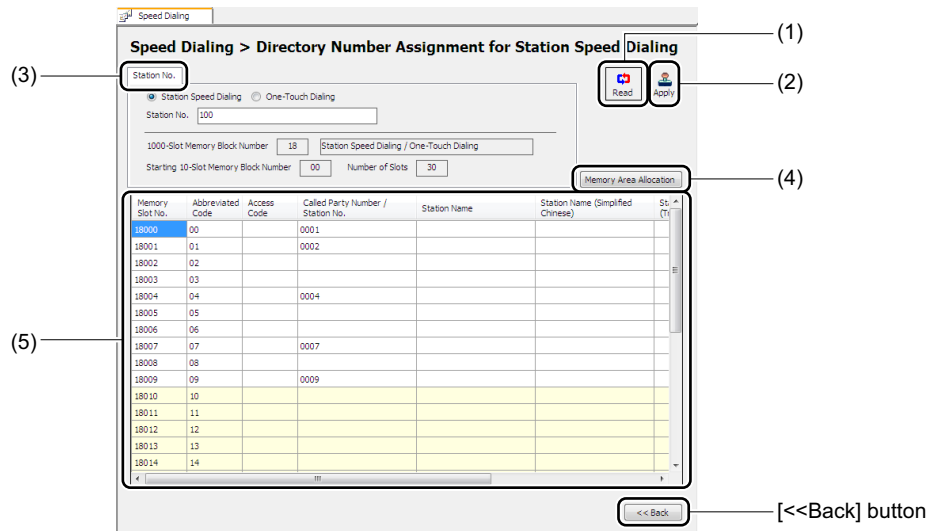
Memory Areas have now been released.

■ Directory Number Assignment for Station Speed Dialing

In the [Directory Number Assignment for Station Speed Dialing] settings, you can set the called party number/station number and station name for Station Speed Dialing.

STEP1: Check the [Called Party Number/Station Name] button for Station Speed Dialing/One-Touch Dialing on the [Speed Dialing] screen.

The [Directory Number Assignment for Station Speed Dialing] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the called party number/station number and called party name registered to the Memory Slot No.
(2)	[Apply] button	Click to write the set contents to the SV9300.

Continued on next page

No.	Item		Description
(3)	[Station No.] tab	[Station Speed Dialing] radio button	Check to read the data by specifying the station number used for Station Speed Dialing.
		[One-Touch Dialing] radio button	Check to read the data by specifying the station number used for One-Touch Dialing.
		Station No. field	Enter the station number used for Station Speed Dialing or One-Touch Dialing. • Station No.: 0-9, *, #
		1000-Slot Memory Block Number field	Displays the 1000-Slot Memory Block number. * The 1000-Slot Memory Block number is displayed after clicking the [Read] button.
		Starting 10-Slot Memory Block Number field	Displays the Starting 10-Slot Memory Block number. * The Starting 10-Slot Memory Block number is displayed after clicking the [Read] button.
		Number of Slots field	Displays the number of slots. * The number of slots is displayed after clicking the [Read] button.
(4)	[Memory Area Allocation] button		Click to verify the memory area usage for each block number on the [Memory Area Allocation] screen and specify the block number to edit the memory area.
(5)	Setting Area	Memory Slot No. field	Displays the block numbers.
		Abbreviated Code field	Displays the Abbreviated Code for Station Speed Dialing. * This field is displayed only when reading the data with a specified station number for Station Speed Dialing.
		Access Code field	Assign the Access Code. • Access Code: 0-9, *, # (up to 4 digits) (however, A, B are automatically converted to *, #)

Continued on next page

No.	Item		Description
(5)	Setting Area	Called Party Number/Station No. field	Assign the called party number/station number. • Called Party Number/Station No.: 0-9, C, D, *, # (up to 26 digits) (however, A, B are automatically converted to *, #)
		Station Name field	Set the station name (up to 16 characters)
		Illumination Color field	Select an illumination color of Multiline Terminal for each calling party assigned to the Block number when an incoming call is terminated. • Illumination Color: Red, Green, Blue, Yellow, Purple, Light Blue, White, Rotation
		Department field	Select the Department from the dropdown list. • Department: 00-99/NONE * When Department Name is registered, the [00: Department Name] is displayed.
		Called Party Name (Simplified Chinese) field	Set the called party name using Simplified Chinese (up to 16 characters). * This field is displayed only when Simplified Chinese is selected by the Chinese Character settings. Page 9-42
		Called Party Name (Traditional Chinese) field	Set the called party name using Traditional Chinese (up to 16 characters). * This field is displayed only when Traditional Chinese is selected by the Chinese Character settings. Page 9-42

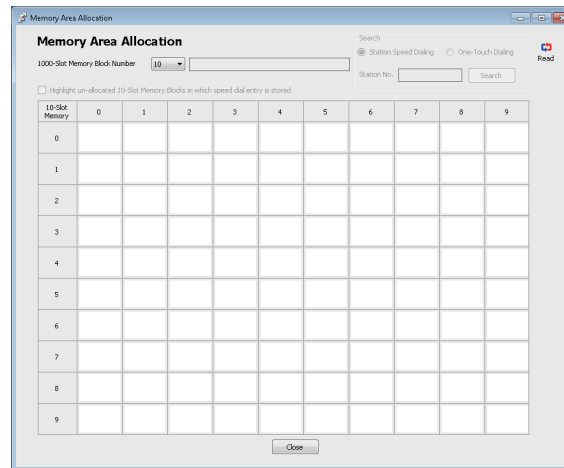
STEP2: Check the [Station Speed Dialing] radio button or the [One-Touch Dialing] radio button.

STEP3: Enter the station number in the station number field, then click the [Read] button.

PCPro starts reading data for the specified station number.

STEP4: Verify the contents displayed on the setting area.

Tips: *Verifying Memory Area Usage and Editing Memory Area*
When you click the [Memory Area Allocation] button, the [Memory Area Allocation] screen is displayed. In the [Memory Area Allocation] screen, you can verify the memory area usage for each block number and edit the memory area such as the memory area allocation by the block number specification.



For the details, refer to the “Verifying Memory Area Usage and Editing Memory Area”.

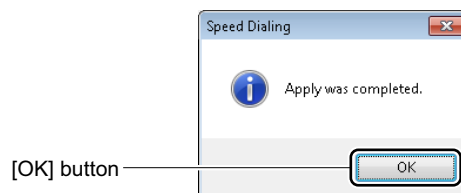
[Page 4-156](#)

STEP5: Set the Access Code field, Calling Party Number/Station No. field, Station Name field, Illumination Color field and Department field, then click the [Apply] button.

* When the Chinese character is set by the Optional Settings for Chinese, also set the Called Party Name (Simplified Chinese) field or the Called Party Name (Traditional Chinese) field.

When the writing of setting data is completed, a dialog box is displayed to notify the completion of the process.

STEP6: Click the [OK] button.



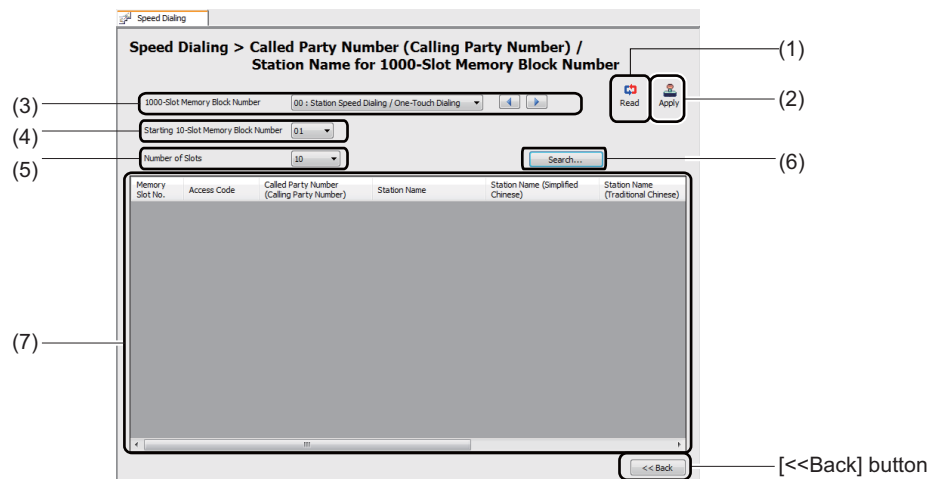
The directory number assignment for Station Speed Dialing has now been completed.

■ 1000-Slot Memory Block Number

To assign the called party number (calling party number) and the station name for each 1000-Slot Memory Block number, follow these steps:

STEP1: Click the [Called Party Number (Calling Party Number)/Station Name] button for 1000-Slot Memory Block Number on the [Speed Dialing] screen.

The [Called Party Number (Calling Party Number)/Station Name for 1000-Slot Memory Block Number] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the setting status of 1000-Slot Memory Block number.
(2)	[Apply] button	Click to write the set contents to the SV9300.
(3)	1000-Slot Memory Block Number field	Select a 1000-Slot Memory Block number from the dropdown list. <ul style="list-style-type: none"> • 1000-Slot Memory Block Number: 00-99 *1 After reading the setting status, a service name assigned for a 1000-Slot Memory Block is displayed with the 1000-Slot Memory Block number. *2 This field is not displayed when the search mode is active.

Continued on next page

No.	Item	Description
(4)	Starting 10-Slot Memory Block Number field	Select a Starting 10-Slot Memory Block number from the dropdown list. <ul style="list-style-type: none"> Starting 10-Slot Memory Block Number: 00-99 * This field is not displayed when the search mode is active.
(5)	Number of Slots field	Select the number of slots from the dropdown list. <ul style="list-style-type: none"> Number of Slots: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 300, 500, 1000 * This field is not displayed when the search mode is active.
(6)	[Search...] button	Click to display the [Search] screen.
(7)	Setting Area	Memory Slot No. field Displays the 1000-Slot Memory Block number. <ul style="list-style-type: none"> 1000-Slot Memory Block Number: 00-99
	Access Code field	Assign the Access Code. <ul style="list-style-type: none"> Access Code: 0-9, *, # (up to 4 digits) (however, A, B are automatically converted to *, #)
	Called Party Number (Calling Party Number) field	Assign the Called Party number (Calling Party number)/ Station number. <ul style="list-style-type: none"> Called Party Number (Calling Party Number): 0-9, A, B, C, D, *, # (up to 26 digits)
	Station Name field	Assign the Station name of Called Party (up to 16 characters).
	Station Name (Simplified Chinese) field	Assign the Station name of Called Party. * This field is displayed only when the “Simplified Chinese” check box is selected under [Tools] > [Settings] > [Options...] > [Chinese Character]. Page 9-42
	Station Name (Traditional Chinese) field	Assign the Station name of Called Party. * This field is displayed only when the “Traditional Chinese” check box is selected under [Tools] > [Settings] > [Options...] > [Chinese Character]. Page 9-42

Continued on next page

No.	Item		Description
(7)	Setting Area	Illumination Color field	Select an illumination color of Multiline Terminal for each calling party assigned to the Block number when an incoming call is terminated. • Illumination Color: Red, Green, Blue, Yellow, Purple, Light Blue, White, Rotation
		Department field	Select the Department from the dropdown list. • Department: 00-99/NONE * When Department Name is registered, the [00: Department Name] is displayed.

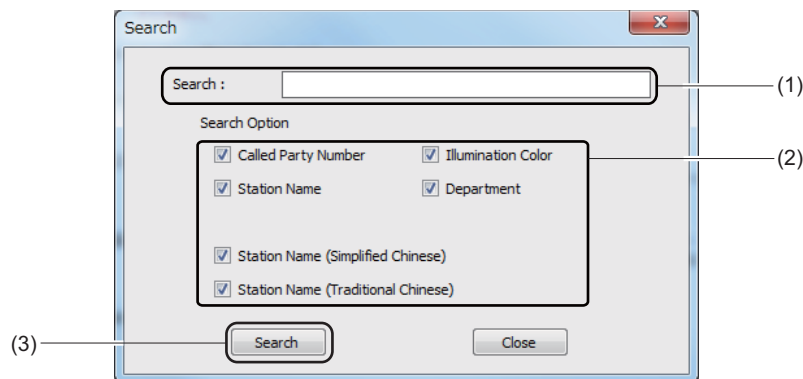
STEP2: Set the items (3) to (5). Then click the [Read] button.

PCPro starts reading the setting for the selected 1000-Slot Memory Block number.

STEP3: Verify the contents displayed on the setting area.

STEP4: If you want to search for and access contact information, click the [Search...] button.

The [Search] screen appears.



No.	Item	Description
(1)	Search field	Type a character string of up to 64 bytes in the text field. Available characters: alphanumeric characters, simplified/traditional Chinese characters

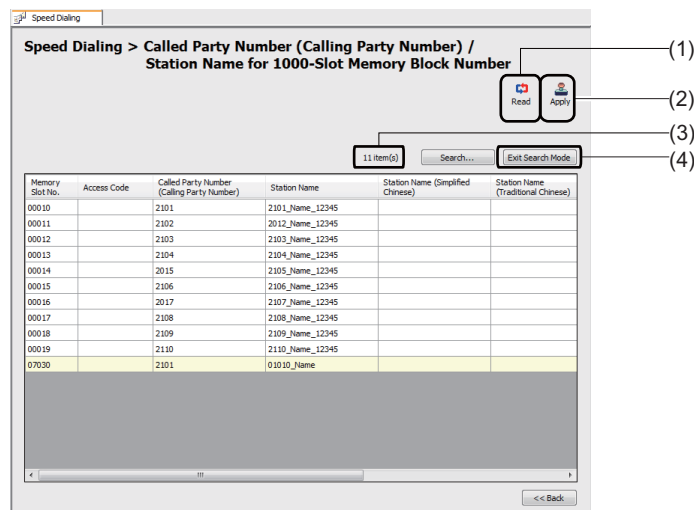
Continued on next page

No.	Item	Description
(2)	Search Option area	If necessary, select the check box for the following search options (multiple selection available): <ul style="list-style-type: none"> • Called Party Number • Station Name • Station Name (Simplified Chinese) • Station Name (Traditional Chinese) • Illumination Color • Department
(3)	[Search] button	Click to start searching. * When you use this button to start searching, the search screen will remain after the result is returned.

STEP5: Type a character string in the [Search] field.

STEP6: If necessary, select the check box for the fields you want to search. Then click the [Search] button.

The search process begins. When the process is completed, the work window displays the matching records and the total number of matches.



No.	Item	Description
(1)	[Read] button	Click to retrieve information about the block shown in the current list.
(2)	[Apply] button	Click to write the changes you have made in the SV9300.
(3)	Total count of matches	Displays the total count of matches.
(4)	[Exit Search Mode] button	<p>Click to clear the search result and to exit the search mode.</p> <p>*1 This button is only displayed in Search Mode.</p> <p>*2 When this button is clicked, the search results are removed and the following fields become active:</p> <ul style="list-style-type: none"> • 1000-Slot Memory Block Number • Starting 10-Slot Memory Block Number • Number of Slots

NOTE 1: PCPro does not search the Memory Slot No. and Access Code fields.

NOTE 2: PCPro returns records that partially match the specified search string.

NOTE 3: Conditions of the search function are as follows:

- The search string is case-insensitive. (For example, “smith” will match “smith,” “Smith” and “SMITH.”)
- Escape characters cannot be used in input strings. (For example, an asterisk is not interpreted as a wildcard but as a letter.)

NOTE 4: When more than one field in a record matches the search criteria, each matching field is counted separately and added to the total count of matches. The Block Number of the record, however, is not repeated in the list of read system data grids.

Example

Suppose a record contains the following information:

Block Number: 02000

Called Party Number (Calling Party Number): 12345

Station Name: 1234

If you search for “1234” in the Called Party Number (Calling Party Number) and Station Name fields, the total count of matches will be two, but only a single record with Block Number 2000 will be shown in the list of read system data grids.

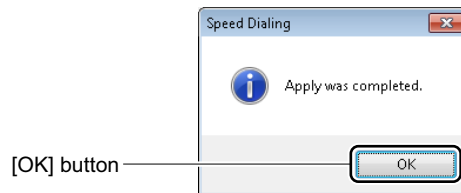
NOTE 5: A maximum of 1000 records are displayed in the list of read system data grids. If the number of matching records exceeds the limit, the first 1000 records, sorted by Block Number in ascending order, will be displayed in the grids.

NOTE 6: The [Search] screen can be used only in the [Called Party Number (Calling Party Number)/ Station Name for 1000-Slot Memory Block Number] screen. If you click the [<<Back] button on the screen, the [Search] screen will be closed.

STEP7: Add necessary changes. Then click the [Apply] button.

When the writing of setting data is completed, a dialog box is displayed to confirm the completion of the process.

STEP8: Click the [OK] button.



The settings for each 1000-Slot Memory Block number have now been completed.

■ Verifying Memory Area Usage and Editing Memory Area

This section explains how to verify the memory area usage and other editing methods with the [Memory Area Allocation] screen.

Tips: In Memory Area Usage, approximately 200 lines of data can be read in about 5 minutes.

The [Memory Area Allocation] screen is displayed when you click the [Memory Area Allocation] button on the [Memory Allocation for Station Speed/One-Touch Dialing] screen or [Directory Number Assignment for Station Speed Dialing] screen.



No.	Item		Description
(1)	[Read] button		Click to verify the memory area usage.
(2)	1000-Slot Memory Block Number field		Select the 1000-Slot Memory Block number to be used for Station Speed Dialing from a dropdown list.
(3)	“Highlight un-allocated 10-Slot Memory Blocks in which speed dial entry is stored” check box		<p>Check to highlight un-allocated 10-Slot Memory Blocks in which speed dial entry is stored.</p> <p>* No operation is available for the memory area while un-allocated 10-Slot Memory Blocks are highlighted.</p>
(4)	Search Area	[Station Speed Dialing] radio button	Check to search the station number set for Station Speed Dialing.
		[One-Touch Dialing] radio button	Check to search the station number set for One-Touch Dialing.
		Station No. field	Enter the station number to search.
		[Search] button	Click to search the memory area usage for station number entered to the Station No. field.
(5)	10-Slot Memory Area		Displays the memory area usage for each 10-Slot Memory Block number.

<Verifying Memory Area Usage>

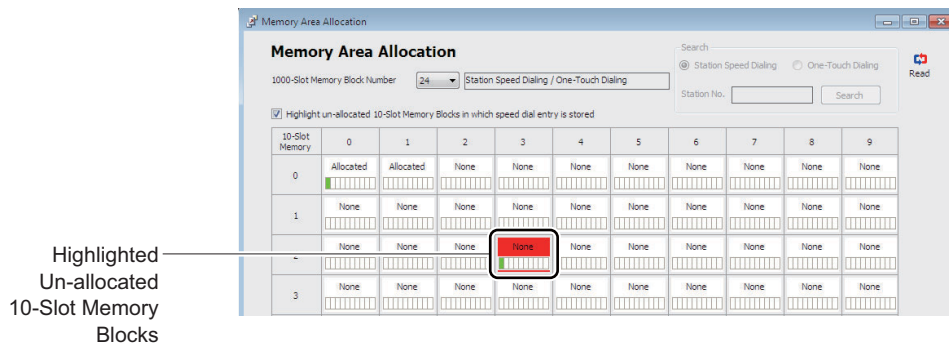
To verify the memory area usage (allocated/none) for each 10-Slot Memory Block Number (00-99), follow these steps:

STEP1: Click the [Read] button.

PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Verify the read memory area usage.

Tips: *Verifying Un-allocated 10-Slot Memory Blocks in Which Speed Dial Entry is Stored*
If you want to verify the un-allocated 10-Slot Memory Blocks in which speed dial entry is stored, check the “Highlight un-allocated 10-Slot Memory Blocks in which speed dial entry is stored” check box, then click the [Read] button.
Un-allocated 10-Slot Memory Blocks in which speed dial entry is stored, are highlighted.



* No operation is available for the memory area while un-allocated 10-Slot Memory Blocks in which speed dial entry is stored are highlighted.

The memory area usage has now been verified.

<Verifying Setting Status of Allocated Memory Area>

To verify the setting status for the allocated memory area, follow these steps:

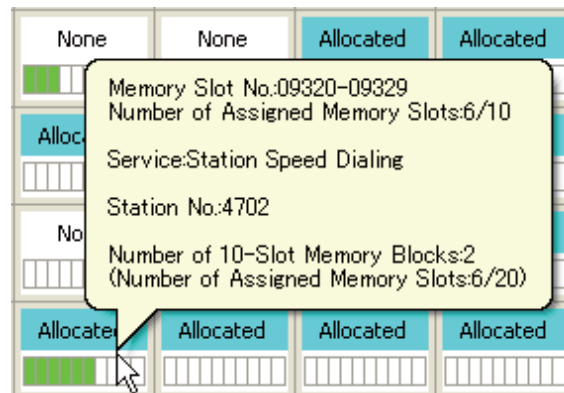
STEP1: Click the [Read] button, if necessary.

PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Place the mouse cursor on the allocated memory area.

Information set to the selected memory area is displayed on a pop-up window.

STEP3: Verify the information displayed on a pop-up window.



* The following information is displayed on a pop-up window.

- The block numbers to be used and the setting status
- The service features in use (Station Speed Dialing/One-Touch Dialing)
- Station number
- The number of 10-Slot Memory Blocks to be used and the setting status

The setting status of allocated memory area has now been verified.

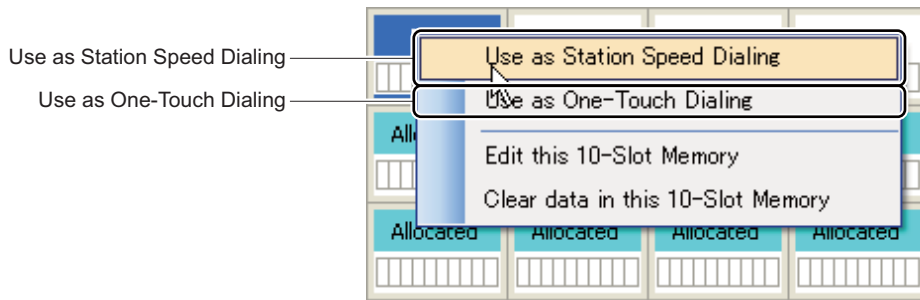
<Memory Area Allocation by Block Number Specification>

To assign the memory area by specifying the block number of a un-allocated memory, follow these steps:

STEP1: Click the [Read] button, if necessary.

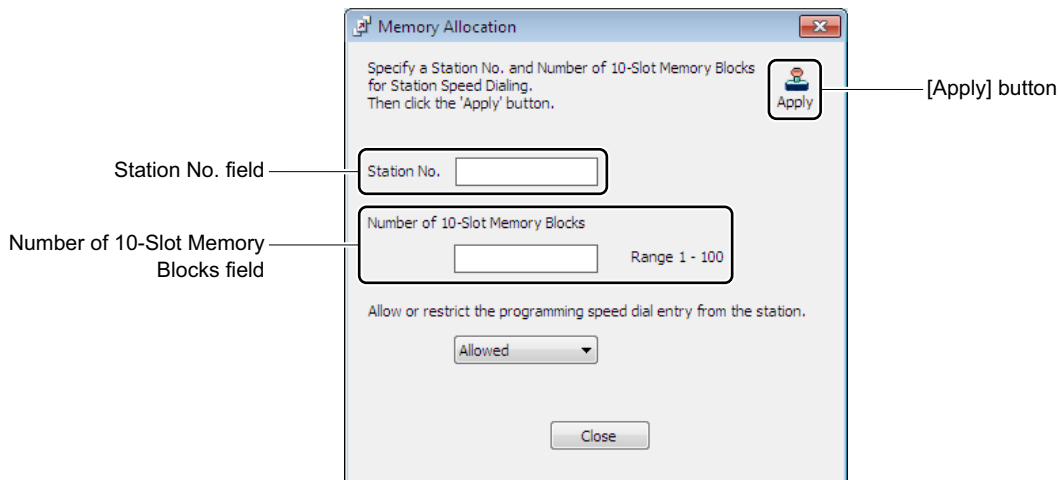
PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Right-click the un-allocated memory on the 10-Slot Memory Area, then click the “Use as Station Speed Dialing” or “Use as One-Touch Dialing”.



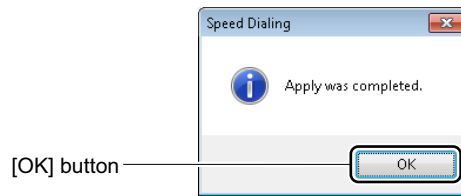
The [Memory Area Settings] screen is displayed.

STEP3: Specify the Station No. field and the 10-Slot Memory Blocks field, then click the [Apply] button.



When the writing of setting data is completed to the selected memory area, a dialog box is displayed to notify the completion of the process.

STEP4: Click the [OK] button.



The memory area allocation by block number specifications has now been completed.

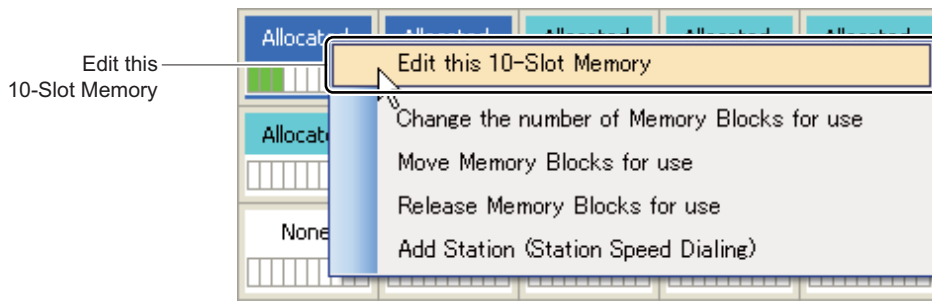
<Editing 10-Slot Memory>

To set/change the Access Code, called party number/station number and called party name for each allocated/un-allocated block number, follow these steps:

STEP1: Click the [Read] button, if necessary.

PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Right-click the 10-Slot Memory to be set or changed on the 10-Slot Memory Area, then click the “Edit this 10-Slot Memory”.



The [Directory Number Assignment for Station Speed Dialing] screen is displayed.

* When you specify the memory that stations are assigned, then click the “Edit this 10-Slot Memory”, the screen is switched to the [Directory Number Assignment for Station Speed Dialing] screen for station number specification ([Station No.] tab).

When you specify the un-allocated memory, then click the “Edit this 10-Slot Memory”, the screen is switched to the [Called Party Number (Calling Party Number)/Station Name for 1000-Slot Memory Block Number] screen.

Set or change the Access Code, called party number/station number and station name on these setting screens.

The specified 10-Slot Memory has now been edited.

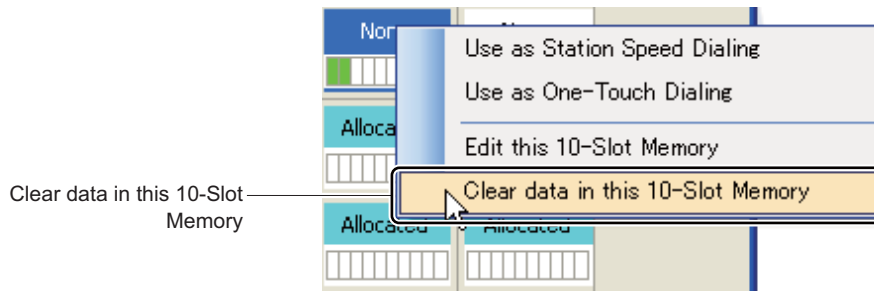
<Clearing Data in the 10-Slot Memory>

To clear data in the 10-Slot Memory which is left in un-allocated memory area, follow these steps:

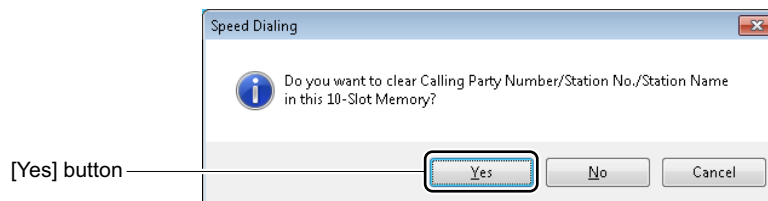
STEP1: Click the [Read] button, if necessary.

PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Right-click the 10-Slot memory on the 10-Slot Memory Area, then click the “Clear data in this 10-Slot Memory”.

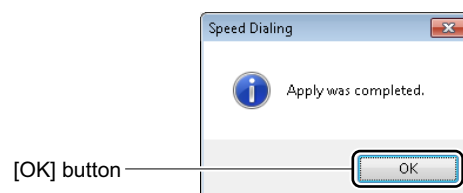


STEP3: Click the [Yes] button.



When the clearing of data in the 10-Slot Memory is completed, a dialog box is displayed to notify the completion of the process.

STEP4: Click the [OK] button.



The data in the 10-Slot Memory has now been cleared.

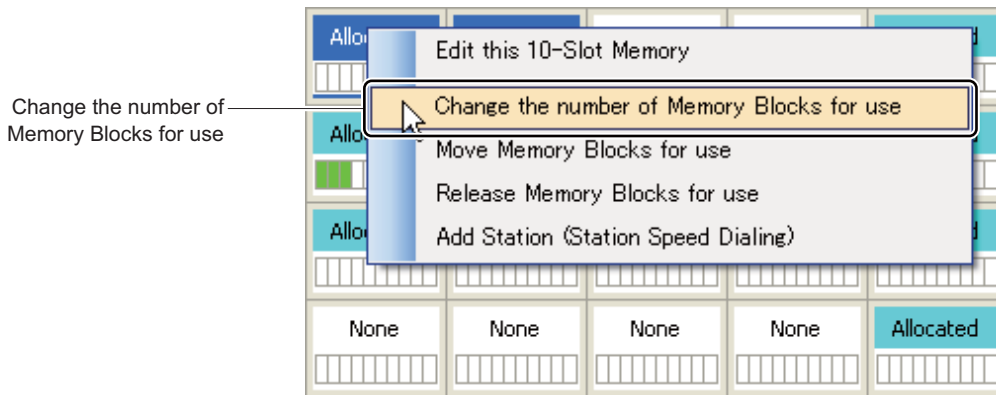
<Changing the Number of Memory Blocks for Use>

To change the number of 10-Slot Memory Blocks in the allocated memory area for each 10-Slot Memory Block number, follow these steps:

STEP1: Click the [Read] button, if necessary.

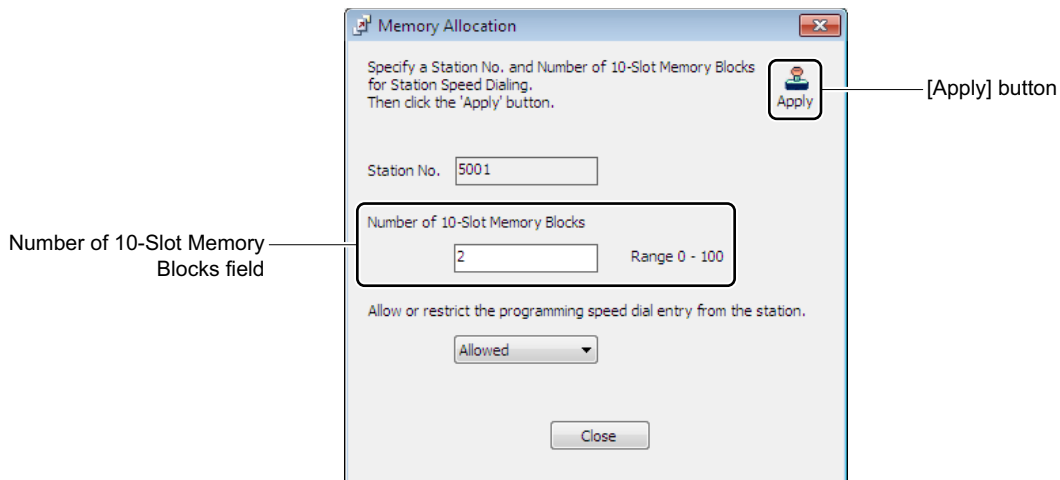
PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Right-click the allocated memory area on the 10-Slot Memory Area, then click the “Change the number of Memory Blocks for use”.



The [Memory Area Settings] screen is displayed.

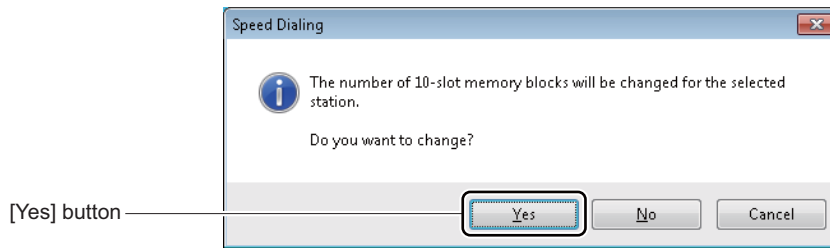
STEP3: Change the number of 10-Slot Memory Blocks with a slider, then click the [Apply] button.



A dialog box is displayed to confirm the change of the number of 10-Slot Memory Blocks.

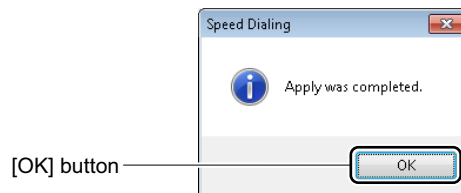
NOTE: *You cannot change station numbers when changing the number of 10-Slot Memory Blocks.*

STEP4: Click the [Yes] button.



When the change of the number of 10-Slot Memory Blocks for use is completed, a dialog box is displayed to notify the completion of the process.

STEP5: Click the [OK] button.



The number of 10-Slot Memory Blocks for use has now been changed.

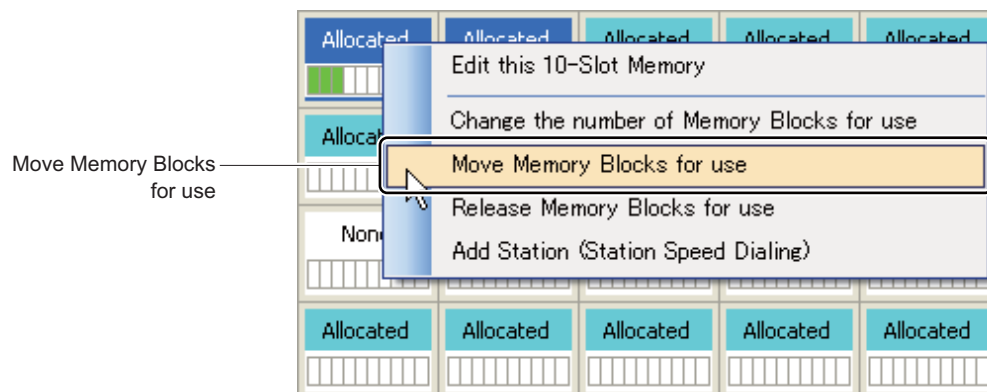
<Moving Memory Area>

To move the set contents of the allocated memory area to the un-allocated memory area, follow these steps:

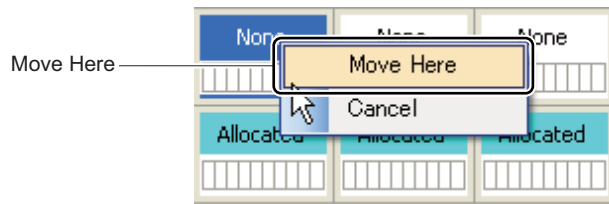
STEP1: Click the [Read] button, if necessary.

PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Right-click the allocated memory area on the 10-Slot Memory Area, then click the “Move Memory Blocks for use”.

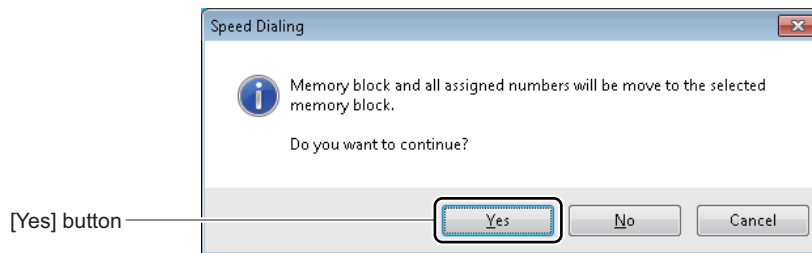


STEP3: Right-click the memory area to which you want to move, then click the “Move Here”.



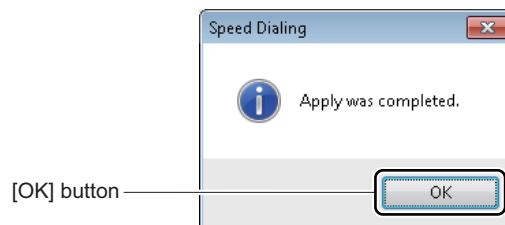
A dialog box is displayed to confirm the move of selected memory area.

STEP4: Click the [Yes] button.



When the move of selected memory area is completed, a dialog box is displayed to notify the completion of the process.

STEP5: Click the [OK] button.



The selected memory area has now been moved.

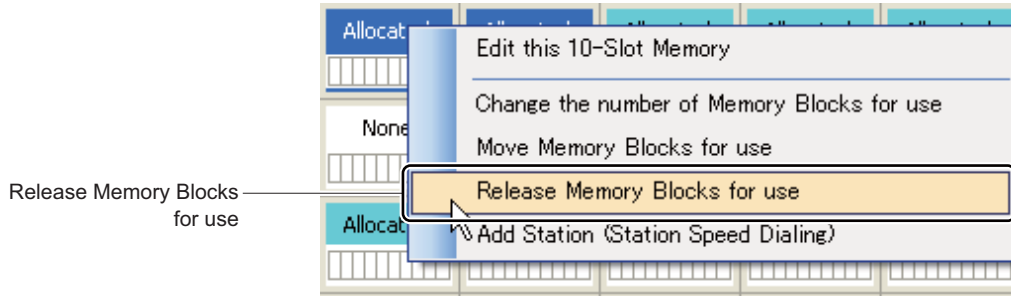
<Releasing Memory Blocks for Use>

To clear the allocated memory blocks for each block number, follow these steps:

STEP1: Click the [Read] button, if necessary.

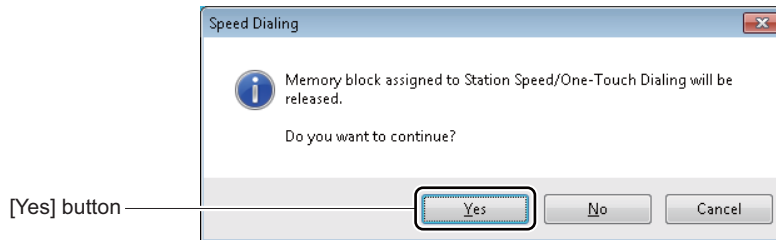
PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Right-click the allocated memory area on the 10-Slot Memory Area, then click the “Release Memory Blocks for use”.



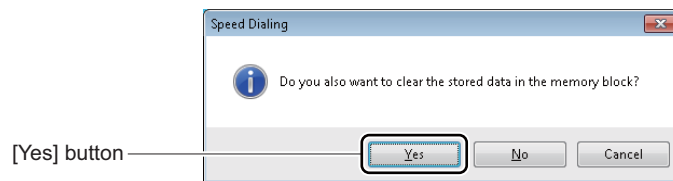
A dialog box is displayed to confirm the release of the Memory Blocks.

STEP3: Click the [Yes] button.



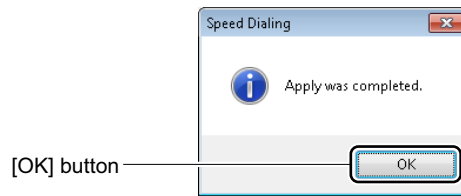
A dialog box is displayed to confirm the clearing of released Memory Blocks data.

STEP4: Click the [Yes] button.



When the release of the Memory Blocks and the clearing of the Memory Blocks data are completed, a dialog box is displayed to notify the completion of the process.

STEP5: Click the [OK] button.



The Memory Blocks for use have now been released.

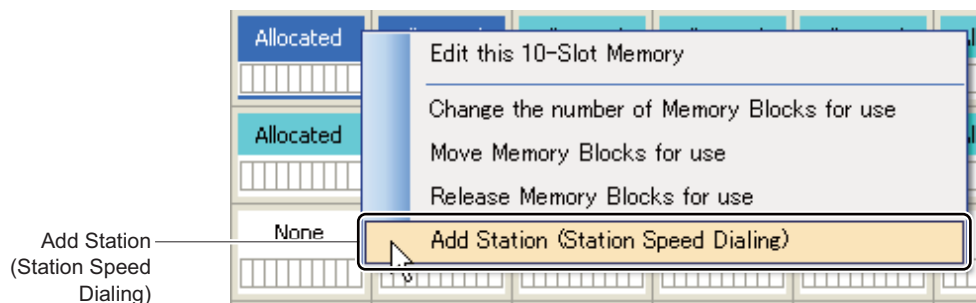
<Adding Station (Station Speed Dialing)>

To add a station to the allocated memory area set to the Station Speed Dialing, follow these steps:

STEP1: Click the [Read] button, if necessary.

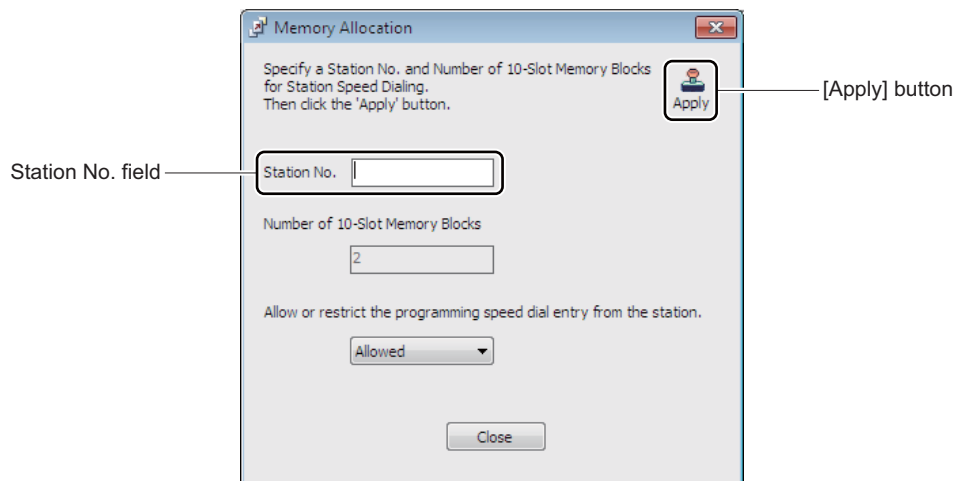
PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Right-click the allocated memory area on the 10-Slot Memory Area, then click the “Add Station (Station Speed Dialing)”.



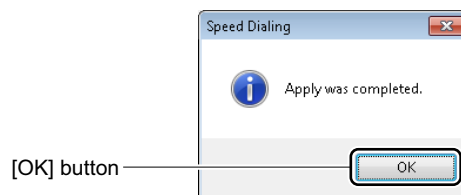
The [Memory Area Settings] screen is displayed.

STEP3: Enter the station number to the Station No. field, then click the [Apply] button.



When the writing of setting data is completed, a dialog box is displayed to notify the completion of the process.

STEP4: Click the [OK] button.



Adding a station to the allocated memory area has now been completed.

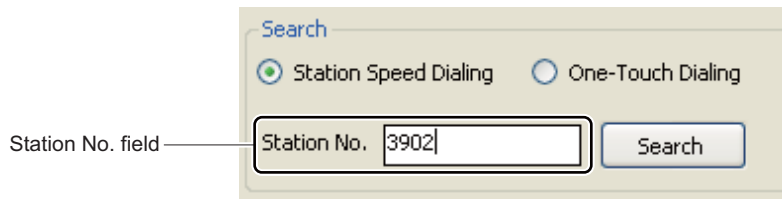
<Searching Memory Area that the Station Uses>

To search the memory area that the station uses for each station number, follow these steps:

STEP1: Click the [Read] button, if necessary.

PCPro starts reading the memory area registered to 10-Slot Memory Block numbers.

STEP2: Enter the station number to the Station No. field.



STEP3: Check the [Station Speed Dialing] radio button or the [One-Touch Dialing] radio button, then click the [Search] button.

The memory area for the appropriate station number becomes a selective state when you click the [Search] button.

10-Slot Memory	0	1	2	3
0	Allocated 	Allocated 	Allocated 	Allocated
1	Allocated 	Allocated 	Allocated 	Allocated
2	Allocated 	Allocated 	Allocated 	Allocated

A memory area that the station uses has now been searched.

Call Pickup Group

The [Call Pickup Group] menu provides options to:

- View the list of Call Pickup Groups
- Add a new Call Pickup Group
- Delete or edit the existing Call Pickup Groups (for example, verifying or adding station data)

The system data to be affected in the [Call Pickup Group] menu is as follows.

- CM16 Y=0: Next station number in Call Pickup Group

NOTE 1: *Up to 2 to 60 stations can be registered per Call Pickup Group.*

NOTE 2: *There is no constrain for the number of groups of Call Pickup Group.*

NOTE 3: *Information about the following stations can be viewed in the List of Groups area and the [List of Available Stations] window. These stations can be included in a Call Pickup Group.*

- *Single Line station*
- *Multiline Terminal station (including IP Station)*
- *Virtual line station*
- *PS station*
- *Standard SIP station*

NOTE 4: *For the following features, set the data by System Data Mode or Command Mode.*

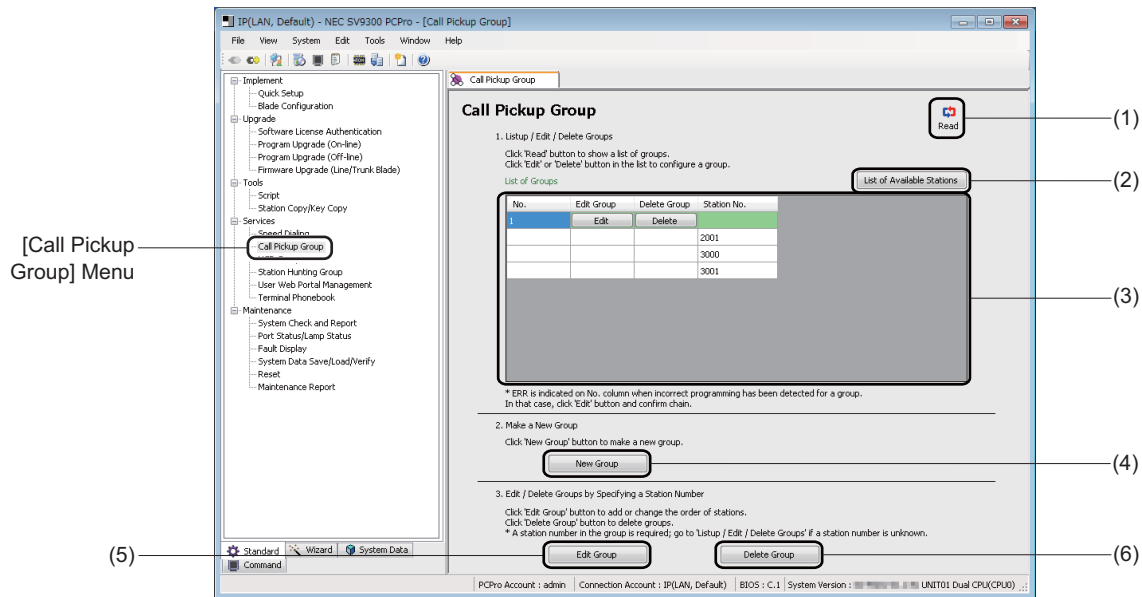
- *Station number included in Group Diversion (CM16 Y=2)*
- *Pilot station in Call Pickup Group (CM16 Y=8)*

NOTE 5: *A station cannot be assigned to more than one Call Pickup Group. To transfer a member station from one Call Pickup Group to another, delete the station from the current group first, and then add the station to a new group.*

NOTE 6: *For the details of Call Pickup Group, refer to the “Programming Manual”.*

Do either of the following to see the [Call Pickup Group] screen in the work window:

- Click [Call Pickup Group] on the standard mode submenu.
- On the Main Menu, click [Edit] > [Call Pickup Group] in this order.



No.	Item	Description
(1)	[Read] button	Click to retrieve information about Call Pickup Groups in the List of Groups area.
(2)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a Call Pickup Group.

Continued on next page

No.	Item		Description
(3)	List of Groups area	No. field	Displays Group Numbers (starting from 1), which are assigned sequentially to each Call Pickup Group. * If an error is detected in the data of a certain Call Pickup Group, a different sequential number (starting from 1) will be assigned to the group.
		[Edit Group] field: [Edit] button	Click to retrieve information about Call Pickup Groups in the [Edit Group] screen, which is displayed when you click the button.
		[Delete Group] field: [Delete] button	Click to delete the Call Pickup Group of your choice. When the group is deleted, the List of Groups area is updated to reflect the latest information.
		Station No. field	Displays the station numbers in a Call Pickup Group. Station Numbers: 0 to 9, *, #
(4)	[New Group] button		Click to add a new group to the system. The [New Group] screen is displayed.
(5)	[Edit Group] button		Click to add stations to an existing group, change the order of stations, or view stations already assigned to a group. The [Edit Group] screen is displayed.
(6)	[Delete Group] button		Click to delete existing groups from the system. The [Delete Group] screen is displayed.

■ Viewing, Editing, or Deleting Groups

To view, edit or delete groups, follow the steps below.

If you know the station number of a member station of the target Call Pickup Group, you can also use the number to edit or delete the group. For details, see “Editing Groups” or “Deleting a Group.”

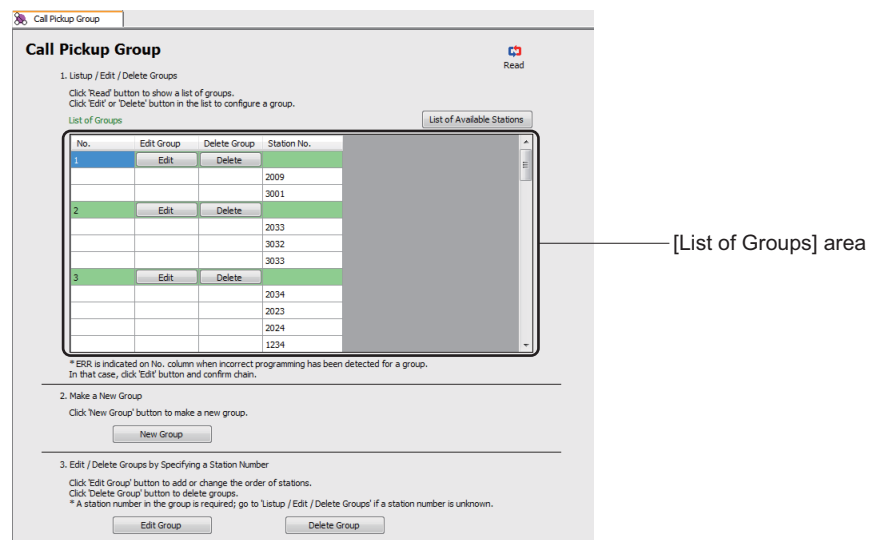
[Page 4-177](#) or [Page 4-180](#)

STEP1: On the [Call Pickup Group] screen, click the [Read] button.

PCPro starts retrieving Call Pickup Group information.

STEP2: In the [List of Groups] area, view the information about Call Pickup Groups.

- To edit a Call Pickup Group, go to STEP3.
- To delete a Call Pickup Group, go to STEP5.



NOTE: *If an incorrect chain is detected in a certain Call Pickup Group, “ERR” is indicated in the [No.] field. In that case, click the [Edit] button and check the chain of the group.*

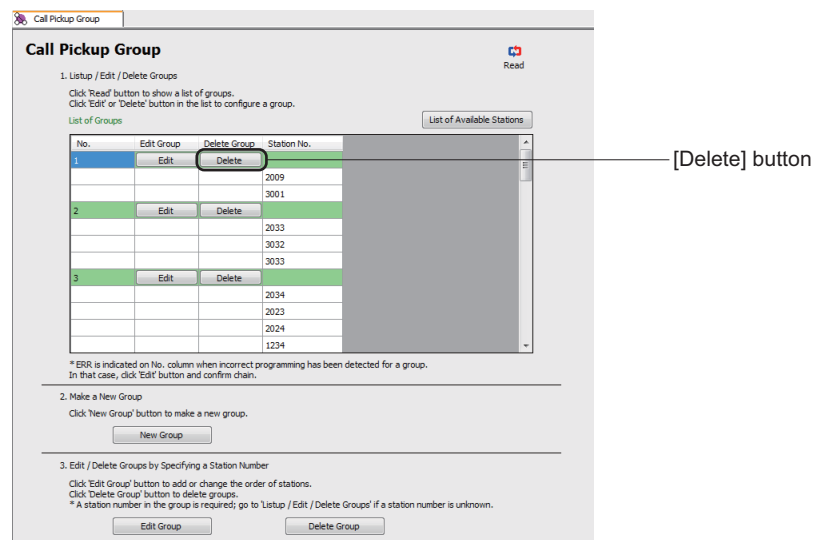
STEP3: To edit a Call Pickup Group, click the [Edit] button in the [Edit Group] field for the group of your choice.

The [Edit Group] screen is displayed.

STEP4: On the [Edit Group] screen, edit the current data.

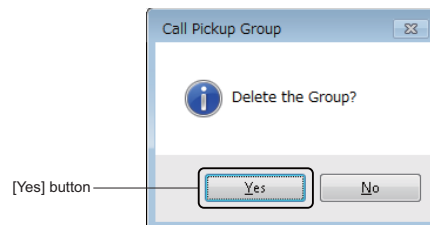
For details, see “Editing Groups.” [Page 4-177](#)

STEP5: To delete a Call Pickup Group, click the [Delete] button in the [Delete Group] field for the group of your choice.



An alert message appears, asking if you want to delete the group.

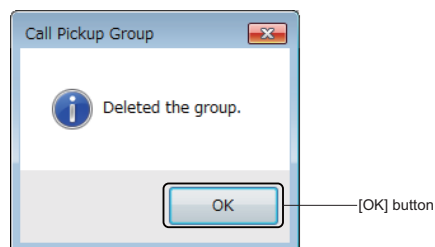
STEP6: Click the [Yes] button.



The target group is deleted.

When the process is completed, a confirmation message appears.

STEP7: Click the [OK] button.

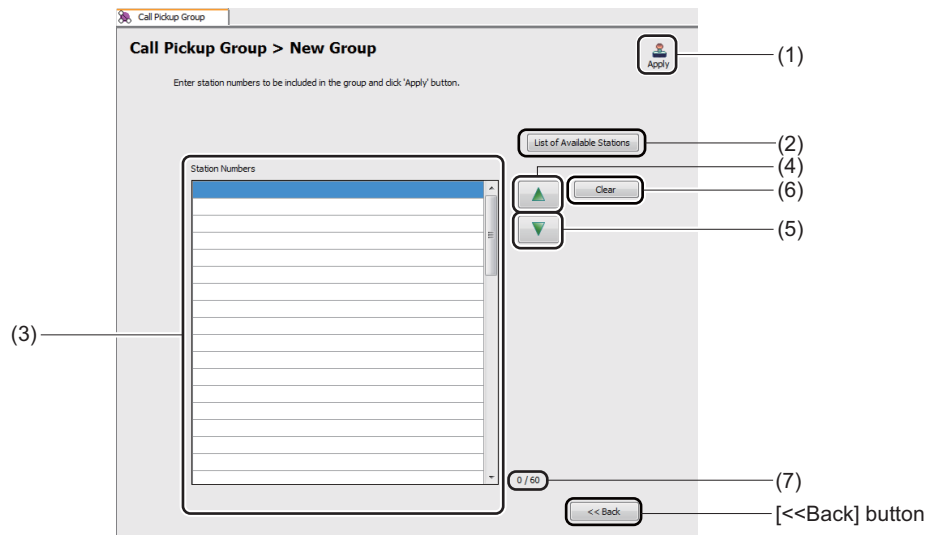


The management of existing Call Pickup Groups has now been completed.

■ Adding New Group

To add a new group, follow these steps:

STEP1: Click the [New Group] button on the [Call Pickup Group] screen.
The [New Group] screen is displayed.



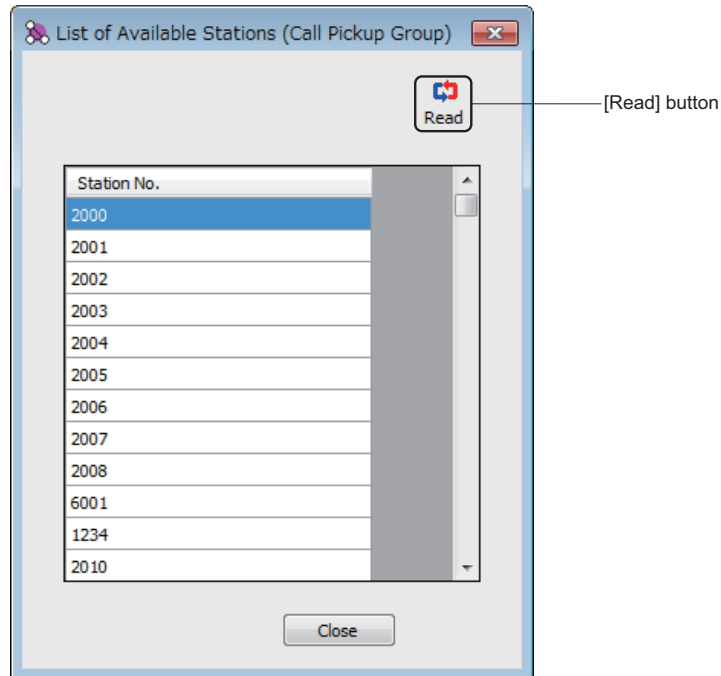
No.	Item	Description
(1)	[Apply] button	Click to register the station number entered in the Station Numbers fields.
(2)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a Call Pickup Group.
(3)	Station Numbers field	Enter a station number to register to a group. <ul style="list-style-type: none"> • Grid display: Up to 60 lines • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)
(4)	[Up] (▲) button	Click to move the station number selected in the Station Numbers field one line upward.
(5)	[Down] (▼) button	Click to move the station number selected in the Station Numbers field one line downward.
(6)	[Clear] button	Click to clear the setting of the Station Numbers field.
(7)	Display of the number of Station Numbers	Displays the number of station numbers to be assigned to the group and the capacity of the group (example: 9/60).

STEP2: Set the Station Numbers field.

Tips: *Finding Stations Not Assigned to a Call Pickup Group*

Stations not assigned to a Call Pickup Group can be viewed as follows:

- 1. On the [New Group] screen, click the [List of Available Stations] button to display the [List of Available Stations (Call Pickup Group)] screen.*
- 2. In the [List of Available Stations (Call Pickup Group)] screen, click the [Read] button.*

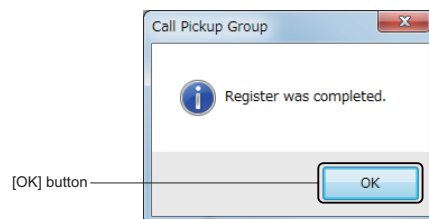


STEP3: Click the [Apply] button.

The station number entered in the Station Number field is registered to the group.

When the process is completed, a confirmation message appears.

STEP4: Click the [OK] button.

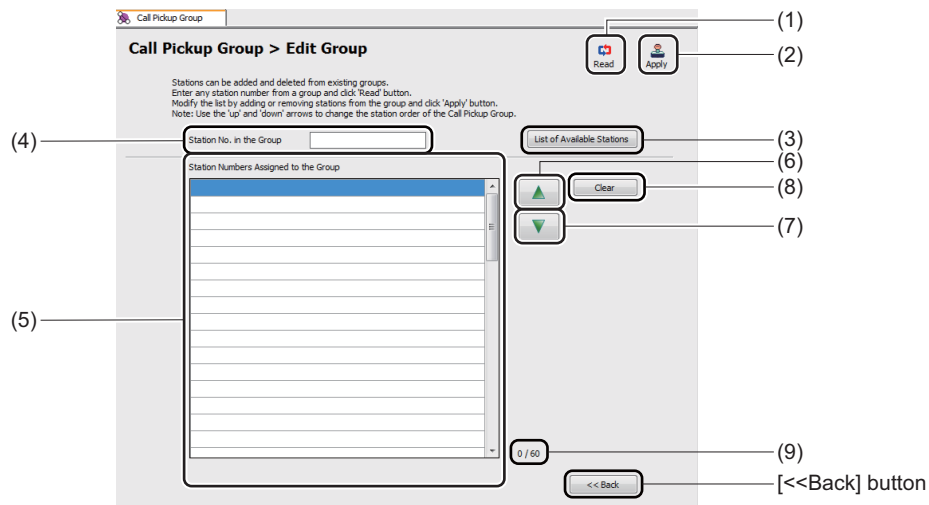


A new group has now been added.

■ Editing Groups



To view stations of a Call Pickup Group or add stations to an existing group, follow these steps:

STEP1: Click the [Edit Group] button on the [Call Pickup Group] screen.
The [Edit Group] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the station numbers assigned to the group in the Station No. in the Group field.
(2)	[Apply] button	Click to save and activate changes.
(3)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a Call Pickup Group.
(4)	Station No. in the Group field	Enter a station number which belongs in the group (the station number pre-registered on the [New Group] screen). <ul style="list-style-type: none"> • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)

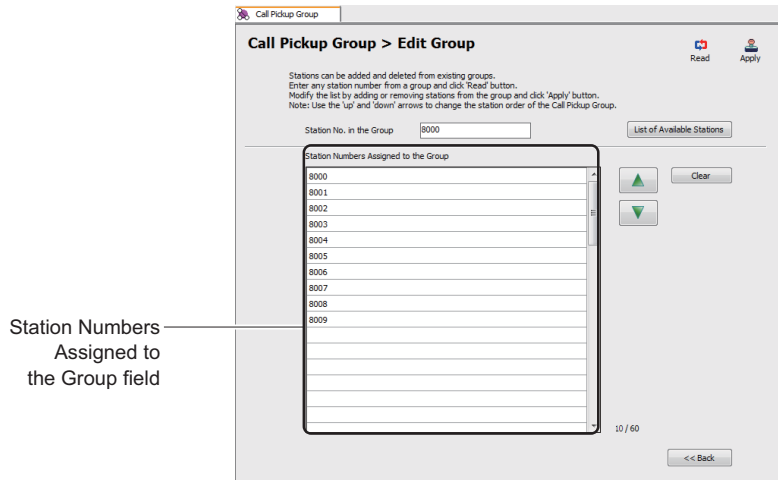
Continued on next page

No.	Item	Description
(5)	Station Numbers Assigned to the Group field	Displays the station numbers assigned to the group in the Station No. in the Group field. <ul style="list-style-type: none"> • Grid display: Up to 60 lines • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field) * The Station Numbers Assigned to the Group field can only be edited when the list of the station number is read by the [Read] button.
(6)	[Up] () button	Click to move the station number selected in the Station Numbers Assigned to the Group field one line upward.
(7)	[Down] () button	Click to move the station number selected in the Station Numbers Assigned to the Group field one line downward.
(8)	[Clear] button	Click to clear the setting of the Station No. in the Group field and Station Numbers Assigned to the Group field.
(9)	Display of the number of Station Numbers	Displays the number of station numbers currently assigned to the group and the capacity of the group (example: 9/60).

STEP2: In the Station No. in the Group field, enter a station number of the group, and then click the [Read] button.

The station numbers assigned to the target group are displayed in the Station Numbers Assigned to the Group field.

STEP3: View the station numbers assigned to the group which are read in the Station Numbers Assigned to the Group field.



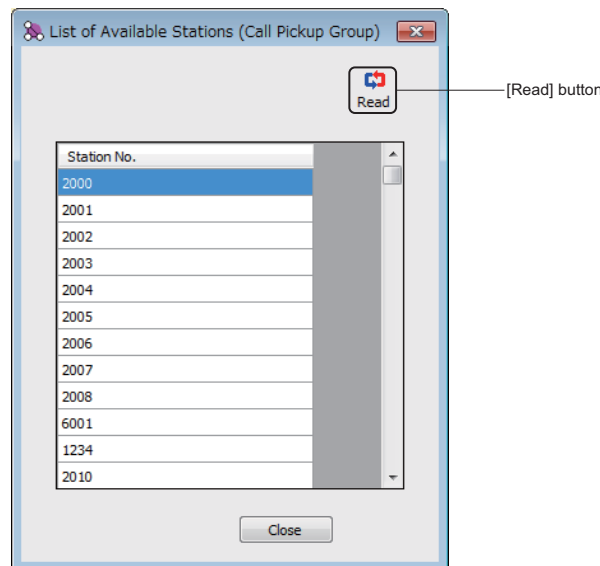
NOTE: *If the group configuration which is read by the [Read] button is wrong (a chain is not formed correctly), delete the group and then register it again. For details of deleting a Call Pickup Group, see “Viewing, Editing, or Deleting Groups” or “Deleting a Group.”*

[Page 4-173](#) or [Page 4-180](#)

Tips: ***Finding Stations Not Assigned to a Call Pickup Group***

Stations not assigned to a Call Pickup Group can be viewed as follows:

- 1. On the [Edit Group] screen, click the [List of Available Stations] button to display the [List of Available Stations (Call Pickup Group)] screen.*
- 2. In the [List of Available Stations (Call Pickup Group)] screen, click the [Read] button.*



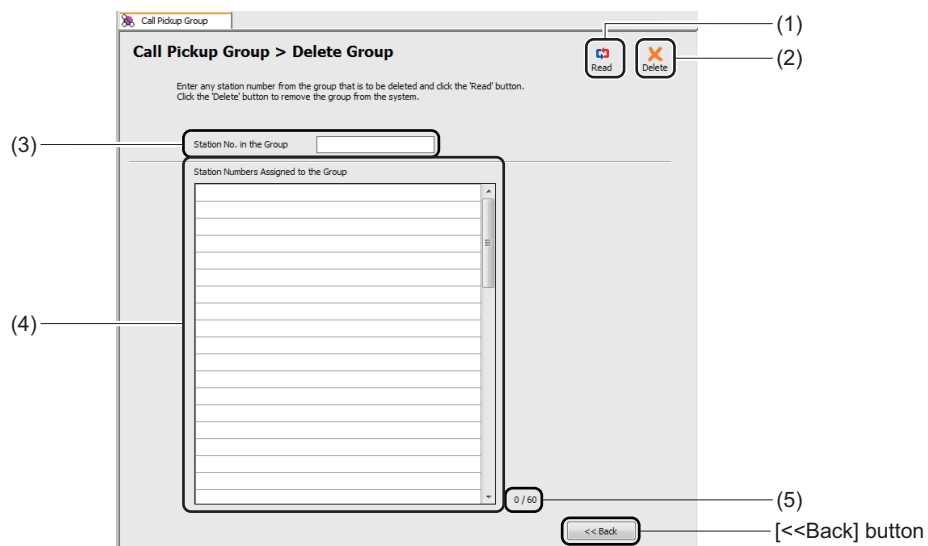
- STEP4: Enter the station numbers to be added in the Station Numbers Assigned to the Group field.
 STEP5: Change the order of the station numbers by the ▲ ▼ button, if necessary.
 STEP6: Click the [Apply] button.
 The station numbers entered in STEP4 are added to the target group.

The target Call Pickup Group has now been edited.

■ Deleting a Group

To delete a Call Pickup Group follow these steps:

- STEP1: Click the [Delete] button on the [Call Pickup Group] screen.
 The [Delete Group] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the station numbers assigned to the group in the Station No. in the Group field.
(2)	[Delete] button	Click to delete the group in which the station number entered in the Station No. in the Group field belongs.
(3)	Station No. in the Group field	Enter a station number which belongs in the group to be deleted. <ul style="list-style-type: none"> • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)

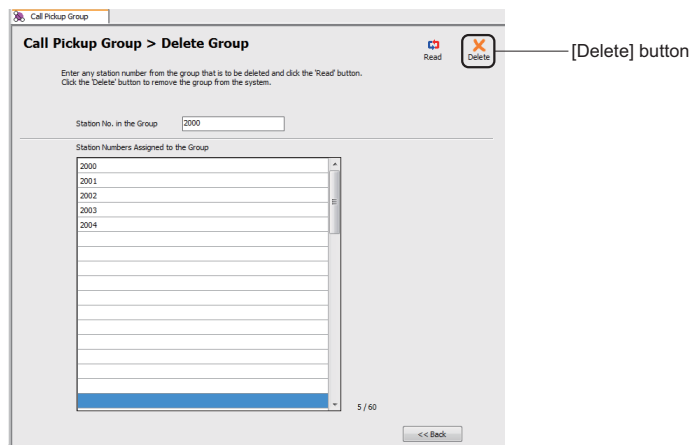
Continued on next page

No.	Item	Description
(4)	Station Numbers Assigned to the Group field	Displays the station numbers assigned to the group in the Station No. in the Group field.
(5)	Display of the number of Station Numbers	Displays the number of station numbers currently assigned to the group and the capacity of the group (example: 9/60).

STEP2: In the Station No. in the Group field, enter a station number of the group, and then click the [Read] button.

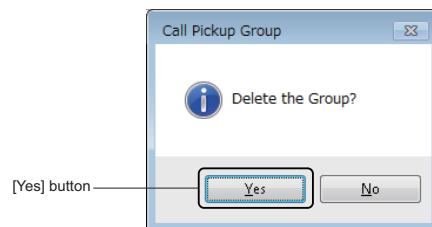
The station numbers assigned to the target group are displayed in the Station Numbers Assigned to the Group field.

STEP3: Click the [Delete] button.



An alert message appears, asking if you want to delete the group.

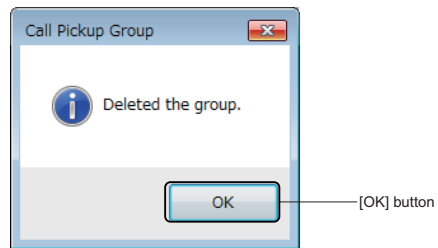
STEP4: Click the [Yes] button.



The target group is deleted.

When the process is completed, a confirmation message appears.

STEP5: Click the [OK] button.



The target group has now been deleted.

UCD Group

The [UCD Group] menu allow you to register a new UCD Group, add/view/edit (changing the order of stations) stations to the existing UCD Groups and delete UCD Groups.

The system data to be affected in the [UCD Group] menu are as follows.

- CM17 Y=0: Next station number in ACD/UCD Group
- CM17 Y=1: Pilot station in ACD/UCD Group
- CM17 Y=2: ACD/UCD Group number

NOTE 1: *Up to 1 to 60 stations can be registered per UCD Group.*

NOTE 2: *A maximum of 100 UCD Groups can be registered.*

NOTE 3: *Information about the following stations can be viewed in the List of Groups area and the [List of Available Stations] screen. These stations can be included in a UCD Group.*

- *Single Line station*
- *Multiline Terminal station (including IP Station)*
- *Virtual line station*
- *PS station*
- *Standard SIP station*

NOTE 4: *For the following features, set the data by System Data Mode or Command Mode.*

- *ACD/UCD service for internal call (CM17 Y=4)*
- *ACD/UCD service for C.O./DID incoming call (CM17 Y=5)*
- *ACD/UCD service for Tie Line incoming call (CM17 Y=6)*
- *ACD/UCD service for DID/Automated Attendant (CM17 Y=7)*
- *ACD/UCD Delay Announcement Service (CM17 Y=A)*
- *Designation of number of queuing in each ACD/UCD Group (CM17 Y=B)*

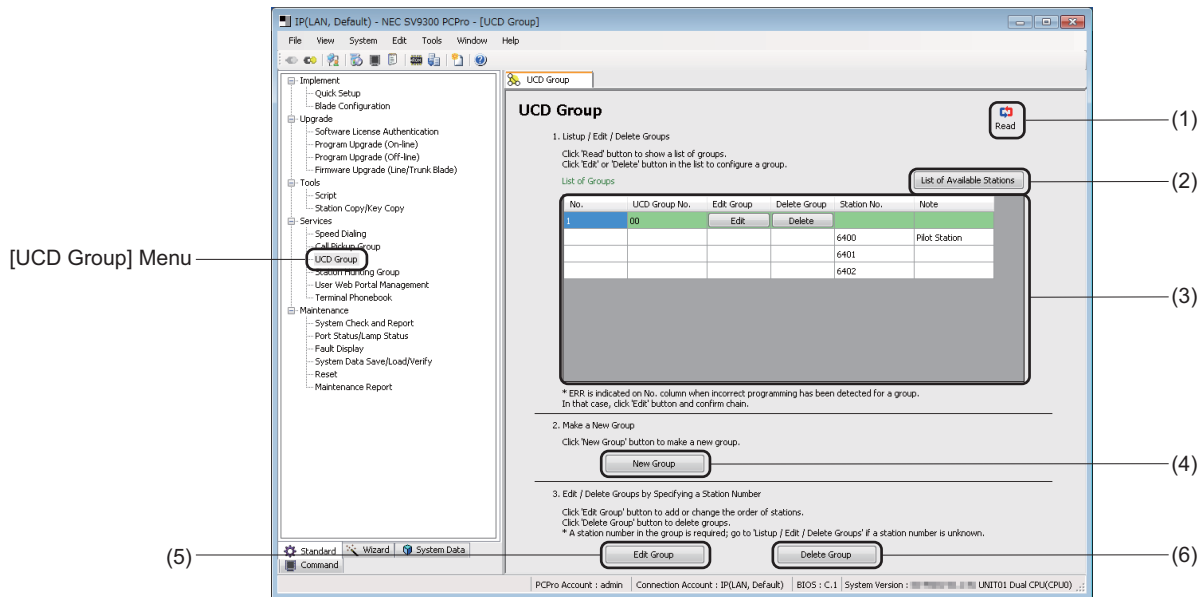
NOTE 5: *A station cannot be assigned to more than one UCD Group. To transfer a member station from one UCD Group to another, delete the station from the current group first, and then add the station to a new group.*

NOTE 6: *The pilot station and the UCD Group numbers cannot be changed. Delete the group before adding a new group again.*

NOTE 7: *For the details of UCD Group, refer to the “Programming Manual”.*

Do either of the following to see the [UCD Group] screen in the work window:

- Click [UCD Group] on the standard mode submenu.
- On the Main Menu, click [Edit] > [UCD Group] in this order.



No.	Item	Description
(1)	[Read] button	Click to retrieve information about UCD Groups in the List of Groups area.
(2)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a UCD Group.

Continued on next page

No.	Item		Description
(3)	List of Groups area	No. field	Displays Group Numbers (starting from 1), which are assigned sequentially to each UCD Group. * If an error is detected in the data of a certain UCD Group, a different sequential number (starting from 1) will be assigned to the group.
		UCD Group No. field	Displays UCD Group Numbers. UCD Group Numbers: 00 to 99, blank field
		[Edit Group] field: [Edit] button	Click to retrieve information about UCD Groups in the [Edit Group] screen, which is displayed when you click the button.
		[Delete Group] field: [Delete] button	Click to delete the UCD Group of your choice. When the group is deleted, the List of Groups area is updated to reflect the latest information.
		Station No. field	Displays the station numbers in a UCD Group. Station Numbers: 0 to 9, *, # * Pilot Stations, if any, are displayed at the top of their UCD Group.
		Note field	Displays additional information about the station. Output information: Pilot Station, blank field
(4)	[New Group] button		Click to add a new group to the system. The [New Group] screen is displayed.
(5)	[Edit Group] button		Click to add stations to an existing group, change the order of stations, or view stations already assigned to a group. The [Edit Group] screen is displayed.
(6)	[Delete Group] button		Click to delete existing groups from the system. The [Delete Group] screen is displayed.

■ Viewing, Editing, or Deleting Groups

To view, edit or delete groups, follow the steps below.

If you know the station number of a member station of the target UCD Group, you can also use the number to edit or delete the group. For details, see “Editing Groups” or “Deleting a Group.”

[Page 4-190](#) or [Page 4-194](#)

STEP1: On the [UCD Group] screen, click the [Read] button.

PCPro starts retrieving UCD Group information.

STEP2: In the [List of Groups] area, view the information about UCD Groups.

- To edit a UCD Group, go to STEP3.
- To delete a UCD Group, go to STEP5.

The screenshot shows the 'UCD Group' management screen. At the top, there's a 'Read' button. Below it, instructions for listing, editing, and deleting groups are provided. The main area is a table titled 'List of Groups' with the following data:

No.	UCD Group No.	Edit Group	Delete Group	Station No.	Note
1	00	Edit	Delete	2000	Pilot Station
				2001	
				2002	
				2003	
2	01	Edit	Delete	2004	Pilot Station
				2005	
				2006	
3	02	Edit	Delete	2007	Pilot Station

Below the table, there are instructions for editing and deleting groups, and buttons for 'Edit Group' and 'Delete Group'. A note at the bottom states: '* ERR is indicated on No. column when incorrect programming has been detected for a group. In that case, click 'Edit' button and confirm chain.'

NOTE: *If an incorrect chain is detected in a certain UCD Group, “ERR” is indicated in the [No.] field. In that case, click the [Edit] button and check the chain of the group.*

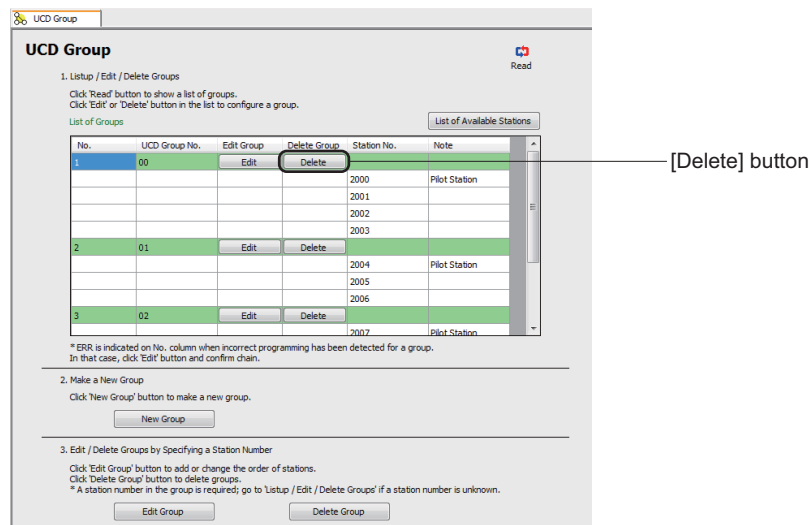
STEP3: To edit a UCD Group, click the [Edit] button in the [Edit Group] field for the group of your choice.

The [Edit Group] screen is displayed.

STEP4: On the [Edit Group] screen, edit the current data.

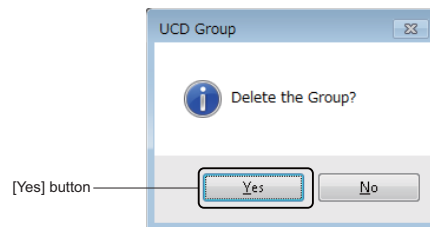
For details, see “Editing Groups.” [Page 4-190](#)

STEP5: To delete a UCD Group, click the [Delete] button in the [Delete Group] field for the group of your choice.



An alert message appears, asking if you want to delete the group.

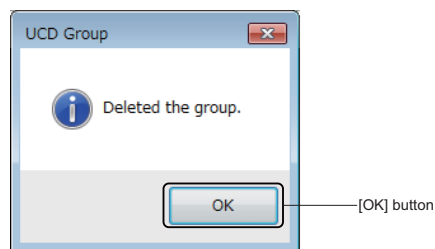
STEP6: Click the [Yes] button.



The target group is deleted.

When the process is completed, a confirmation message appears.

STEP7: Click the [OK] button.

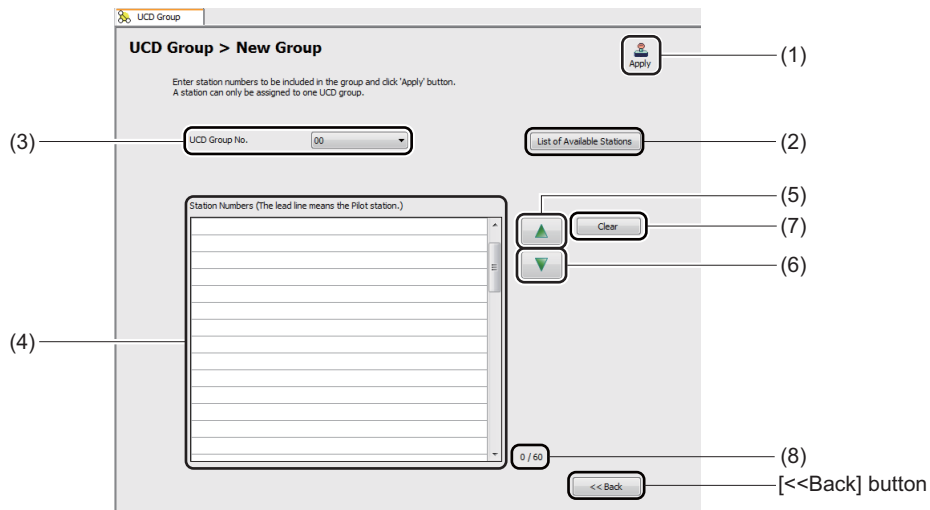


The management of existing UCD Groups has now been completed.

■ Adding New Group

To add a new group, follow these steps:

STEP1: Click the [New Group] button on the [UCD Group] screen.
The [New Group] screen is displayed.



No.	Item	Description
(1)	[Apply] button	Click to register the station number entered in the Station Numbers fields.
(2)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a UCD Group.
(3)	UCD Group No. field	From the dropdown list, select the UCD Group No. to register. • Setting range: 00 to 99 (default: 00)
(4)	Station Numbers field	Enter a station number to register to a group. Put the pilot station number at the top of the group. • Grid display: Up to 60 lines • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)
(5)	[Up] (▲) button	Click to move the station number selected in the Station Numbers field one line upward.
(6)	[Down] (▼) button	Click to move the station number selected in the Station Numbers field one line downward.

Continued on next page

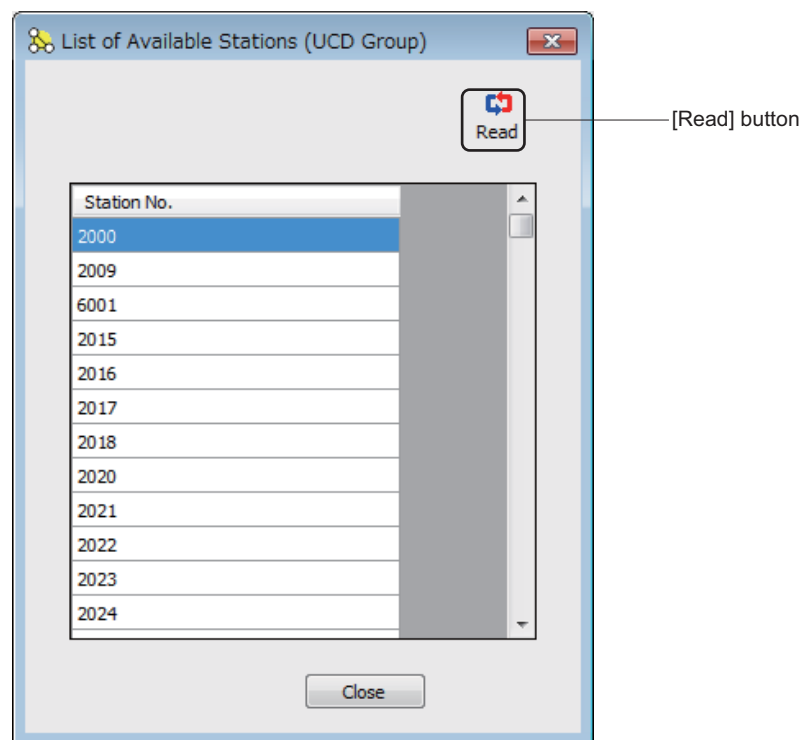
No.	Item	Description
(7)	[Clear] button	Click to clear the setting of the UCD Group No. field and the Station Number field.
(8)	Display of the number of Station Numbers	Displays the number of station numbers to be assigned to the group and the capacity of the group (example: 9/60).

STEP2: Set the UCD Group No. field and the Station Numbers field.

Tips: *Finding Stations Not Assigned to a UCD Group*

Stations not assigned to a UCD Group can be viewed as follows:

- 1. On the [New Group] screen, click the [List of Available Stations] button to display the [List of Available Stations (UCD Group)] screen.*
- 2. In the [List of Available Stations (UCD Group)] screen, click the [Read] button.*

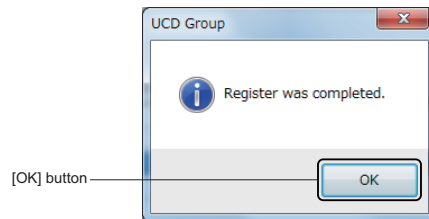


STEP3: Click the [Apply] button.

The station number entered in the Station Numbers field is registered to the group specified in the UCD Group No. field.

When the process is completed, a confirmation message appears.

STEP4: Click the [OK] button.



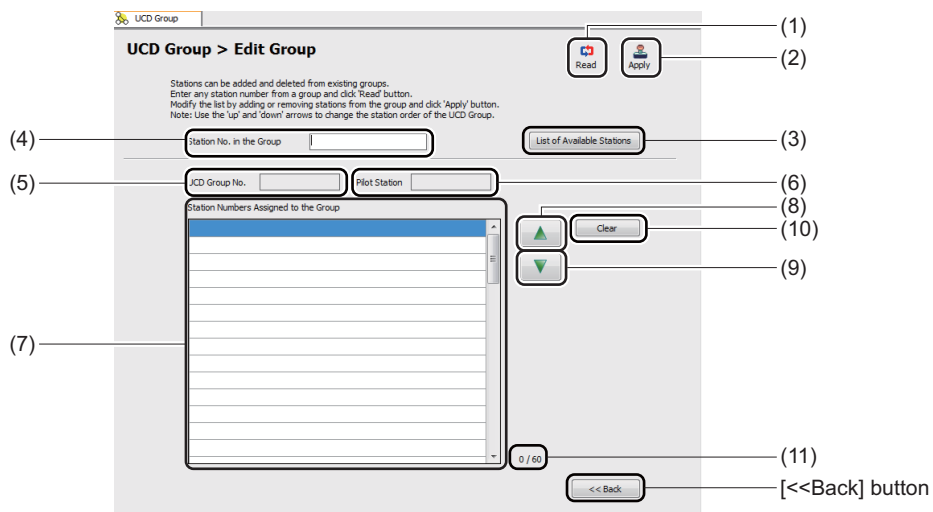
A new group has now been added.

■ Editing Groups

To view stations of a UCD Group or add stations to an existing group, follow these steps:



STEP1: Click the [Edit Group] button on the [UCD Group] screen.

The [Edit Group] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the station numbers assigned to the group in the Station No. in the Group field.
(2)	[Apply] button	Click to save and activate changes.
(3)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a UCD Group.

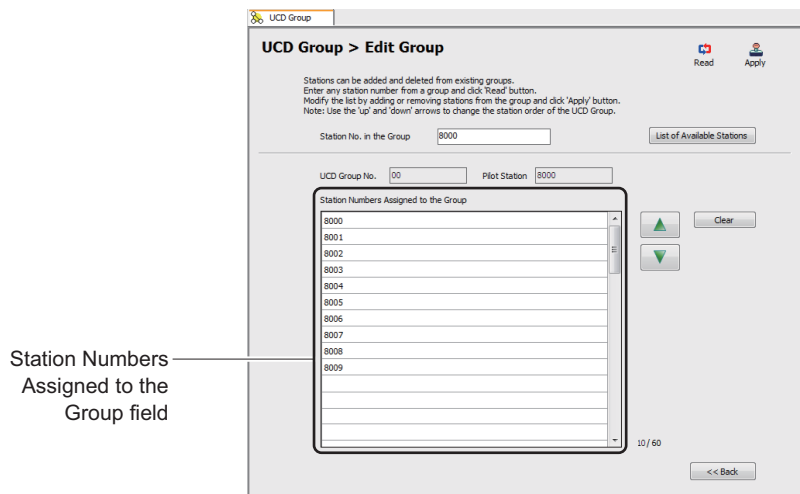
Continued on next page

No.	Item	Description
(4)	Station No. in the Group field	<p>Enter a station number which belongs in the group (the station number pre-registered on the [New Group] screen).</p> <ul style="list-style-type: none"> • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)
(5)	UCD Group No. field	<p>Displays the UCD Group No.(a group number registered to the pilot station)</p> <ul style="list-style-type: none"> • Displayed Number: 00 to 99 * The UCD Group No. is displayed only when it is correctly read by the [Read] button.
(6)	Pilot Station field	<p>Displays the Pilot Station of the UCD Group.</p> <ul style="list-style-type: none"> * The Pilot Station of the UCD Group is displayed only when it is correctly read by the [Read] button.
(7)	Station Numbers Assigned to the Group field	<p>Displays the station numbers assigned to the group in the Station No. in the Group field.</p> <ul style="list-style-type: none"> • Grid display: Up to 60 lines • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field) * The Station Numbers Assigned to the Group field can only be edited when the station numbers assigned to the group are read by the [Read] button.
(8)	[Up] () button	<p>Click to move the station number selected in the Station Numbers Assigned to the Group field one line upward. The station number at the top of the list is a pilot number, and cannot be moved to anywhere else on the list.</p>
(9)	[Down] () button	<p>Click to move the station number selected in the Station Numbers Assigned to the Group field one line downward.</p>
(10)	[Clear] button	<p>Click to clear the setting of the Station No. in the Group field, UCD Group No. field, Pilot Station field, and the Station Numbers Assigned to the Group field.</p>
(11)	Display of the number of Station Numbers	<p>Displays the number of station numbers currently assigned to the group and the capacity of the group (example: 9/60).</p>

STEP2: In the Station No. in the Group field, enter a station number of the group, and then click the [Read] button.

The station numbers assigned to the target group are displayed in the Station Numbers Assigned to the Group field.

STEP3: View the station numbers assigned to the group which are read in the Station Numbers Assigned to the Group field.

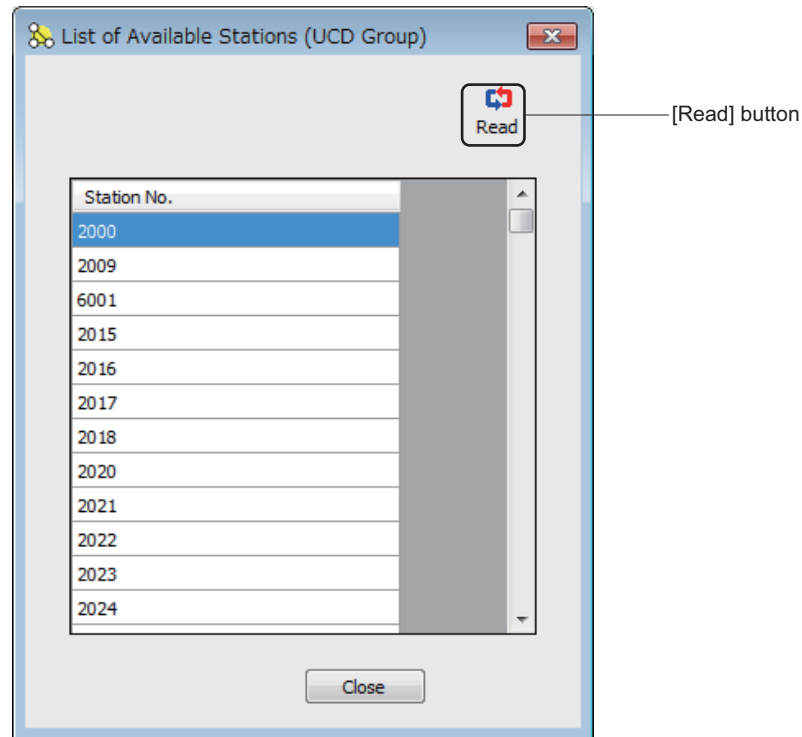


NOTE: *If the group configuration which is read by the [Read] button is wrong (a chain is not formed correctly), delete the group and then register it again. For details of deleting a UCD Group, see “Viewing, Editing, or Deleting Groups” or “Deleting a Group.”* [Page 4-186](#) or [Page 4-194](#)

Tips: *Finding Stations Not Assigned to a UCD Group*

Stations not assigned to a UCD Group can be viewed as follows:

- 1. On the [Edit Group] screen, click the [List of Available Stations] button to display the [List of Available Stations (UCD Group)] screen.*
- 2. In the [List of Available Stations (UCD Group)] screen, click the [Read] button.*



STEP4: Enter the station numbers to be added in the Station Numbers Assigned to the Group field.

STEP5: Change the order of the station numbers by the ▲ ▼ button, if necessary.

STEP6: Click the [Apply] button.

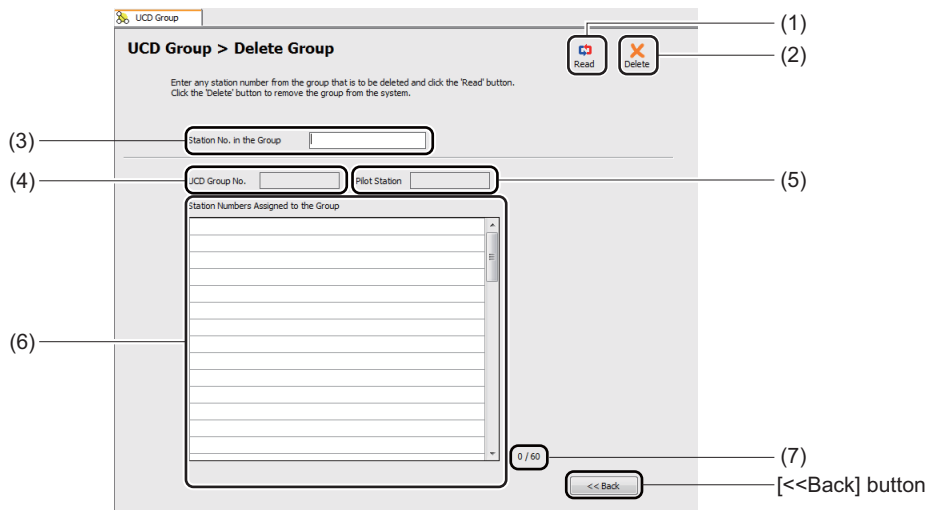
The station numbers entered in STEP4 are added to the target group.

The target UCD Group has now been edited.

■ Deleting a Group

To delete a UCD Group, follow these steps:

STEP1: Click the [Delete] button on the [UCD Group] screen.
The [Delete Group] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the station numbers assigned to the group in the Station No. in the Group field.
(2)	[Delete] button	Click to delete the group in which the station number entered in the Station No. in the Group field belongs.
(3)	Station No. in the Group field	Enter a station number which belongs in the group to be deleted. <ul style="list-style-type: none"> • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)
(4)	UCD Group No. field	Displays the UCD Group No.(a group number registered to the pilot station) <ul style="list-style-type: none"> • Displayed Number: 00 to 99 * The UCD Group No. is displayed only when it is correctly read by the [Read] button.

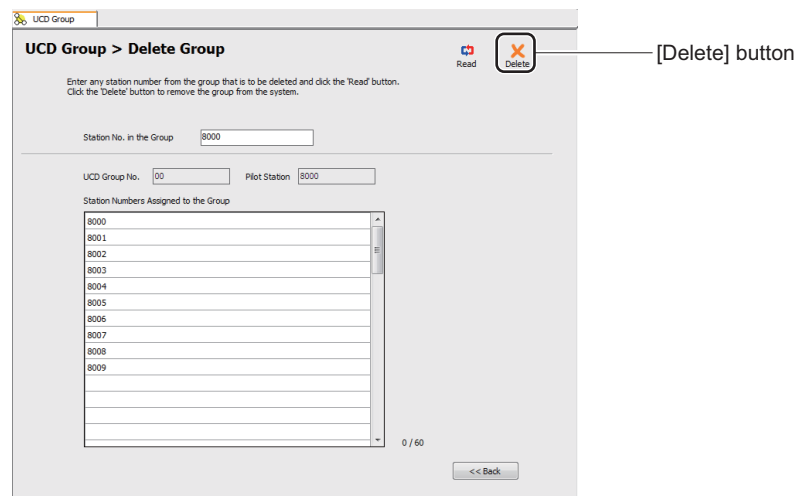
Continued on next page

No.	Item	Description
(5)	Pilot Station field	Displays the Pilot Station of the UCD Group. * The Pilot Station of the UCD Group is displayed only when it is correctly read by the [Read] button.
(6)	Station Numbers Assigned to the Group field	Display the station numbers assigned to the group in the Station No. in the Group field.
(7)	Display of the number of Station Numbers	Displays the number of station numbers currently assigned to the group and the capacity of the group (example: 9/60).

STEP2: In the Station No. in the Group field, enter a station number of the group, and then click the [Read] button.

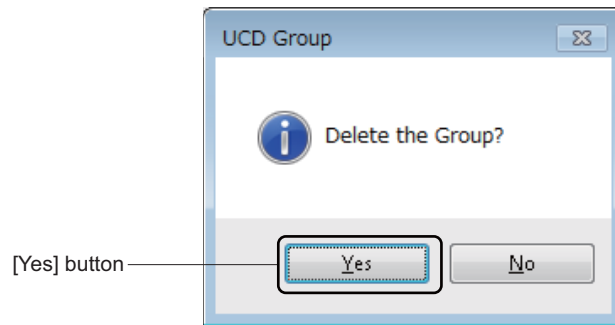
The station numbers assigned to the target group are displayed in the Station Numbers Assigned to the Group field.

STEP3: Click the [Delete] button.



An alert message appears, asking if you want to delete the group.

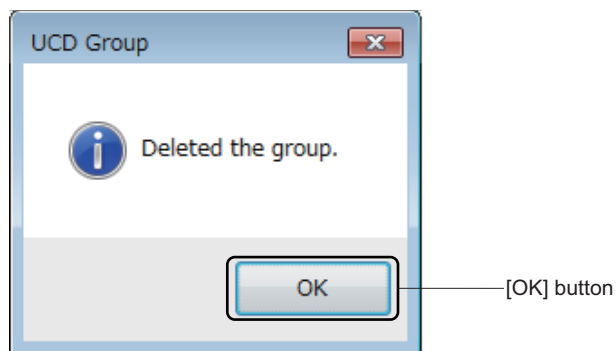
STEP4: Click the [Yes] button.



The target group is deleted.

When the process is completed, a confirmation message appears.

STEP5: Click the [OK] button.



The target group has now been deleted.

Station Hunting Group

The [Station Hunting Group] menu allow you to register a new Station Hunting Group, add/view/edit (changing the order of stations) stations to the existing Station Hunting Groups and delete Station Hunting Groups.

The system data to be affected in the [Station Hunting Group] menu are as follows.

- CM18 Y=0: Next station number in Station Hunting Group
- CM18 Y=1: Kind of station numbers included in Station Hunting Group

NOTE 1: *Up to 2 to 60 stations can be registered per Station Hunting Group.*

NOTE 2: *There is no constrain for the number of groups in Station Hunting Groups.*

NOTE 3: *Information about the following stations can be viewed in the List of Groups area and the [List of Available Stations] screen. These stations can be included in a Station Hunting Group.*

- *Single Line station*
- *Multiline Terminal station (including IP Station)*
- *Virtual line station*
- *PS station*
- *Standard SIP station*
- *ISDN station*

NOTE 4: *For the following features, set the data by System Data Mode or Command Mode.*

- *Secretary station (CM18 Y=2)*

NOTE 5: *A station cannot be assigned to more than one Station Hunting Group. To transfer a member station from one Station Hunting Group to another, delete the station from the current group first, and then add the station to a new group.*

NOTE 6: *The Pilot Station and mode of the Station Hunting Group cannot be changed. Delete the group once before adding a new group again.*

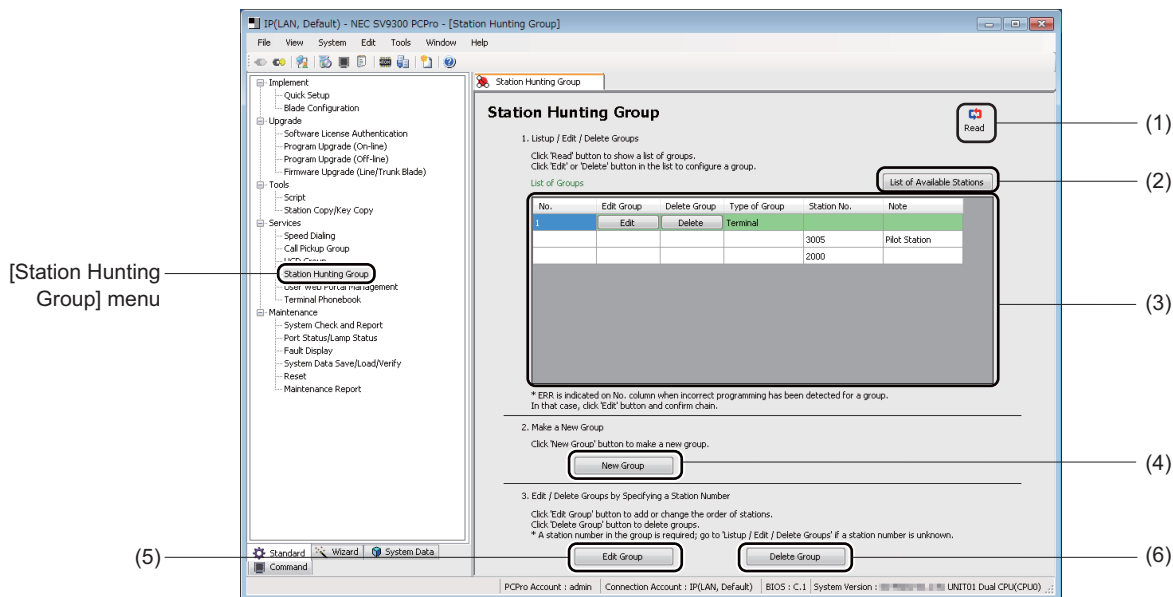
NOTE 7: *For CM18 Y=0, set the station hunting group with the pilot station assigned by CM57 Y=33.*

NOTE 8: *In service originating station numbers specified by CM13 Y=64, assign a pilot station number specified by CM57 Y=33 as a pilot station and assign others as member stations.*

NOTE 9: *For the details of Station Hunting Group, refer to the “Programming Manual”.*

Do either of the following to see the [Station Hunting Group] screen in the work window:

- Click [Station Hunting Group] on the standard mode submenu.
- On the Main Menu, click [Edit] > [Station Hunting Group] in this order.



No.	Item	Description
(1)	[Read] button	Click to retrieve information about Station Hunting Groups in the List of Groups area.
(2)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a Station Hunting Group.

Continued on next page

No.	Item		Description
(3)	List of Groups area	No. field	Displays Group Numbers (starting from 1), which are assigned sequentially to each Station Hunting Group. * If an error is detected in the data of a certain Station Hunting Group, a different sequential number (starting from 1) will be assigned to the group.
		[Edit Group] field: [Edit] button	Click to retrieve information about Station Hunting Groups in the [Edit Group] screen, which is displayed when you click the button.
		[Delete Group] field: [Delete] button	Click to delete the Station Hunting Group of your choice. When the group is deleted, the List of Groups area is updated to reflect the latest information.
		Type of Group field	Displays the Station Hunting type. Station Hunting type: Terminal/Circular/Secretarial
		Station No. field	Displays the station numbers in a Station Hunting Group. Station Numbers: 0 to 9, *, # * Pilot Stations, if any, are displayed at the top of their Station Hunting Group.
		Note field	Displays additional information about the station. Output information: Pilot Station, blank field
(4)	[New Group] button		Click to add a new group to the system. The [New Group] screen is displayed.
(5)	[Edit Group] button		Click to add stations to an existing group, change the order of stations, or view stations already assigned to a group. The [Edit Group] screen is displayed.
(6)	[Delete Group] button		Click to delete existing groups from the system. The [Delete Group] screen is displayed.

■ Viewing, Editing, or Deleting Groups

To view, edit or delete groups, follow the steps below.

If you know the station number of a member station of the target Station Hunting Group, you can also use the number to edit or delete the group. For details, see “Editing Groups” or “Deleting a Group.”

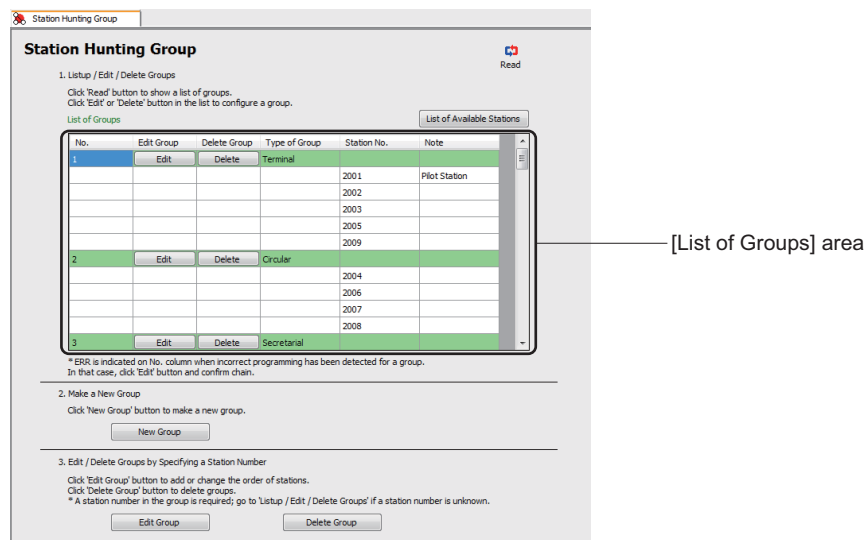
📖 [Page 4-204](#) or [Page 4-207](#)

STEP1: On the [Station Hunting Group] screen, click the [Read] button.

PCPro starts retrieving Station Hunting Group information.

STEP2: In the [List of Groups] area, view the information about Station Hunting Groups.

- To edit a Station Hunting Group, go to STEP3.
- To delete a Station Hunting Group, go to STEP5.



NOTE: *If an incorrect chain is detected in a certain Station Hunting Group, “ERR” is indicated in the [No.] field. In that case, click the [Edit] button and check the chain of the group.*

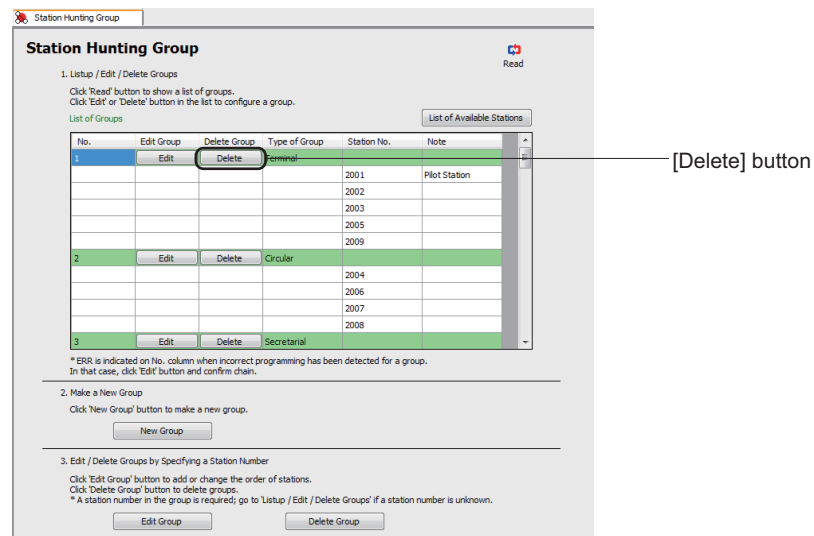
STEP3: To edit a Station Hunting Group, click the [Edit] button in the [Edit Group] field for the group of your choice.

The [Edit Group] screen is displayed.

STEP4: On the [Edit Group] screen, edit the current data.

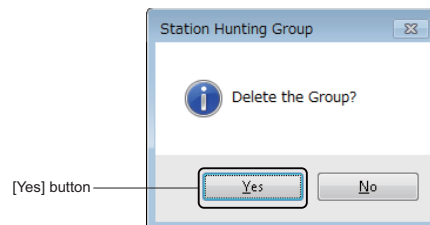
For details, see “Editing Groups.” 📖 [Page 4-204](#)

STEP5: To delete a Station Hunting Group, click the [Delete] button in the [Delete Group] field for the group of your choice.



An alert message appears, asking if you want to delete the group.

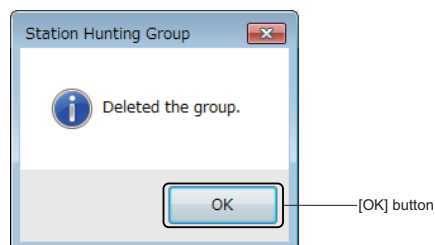
STEP6: Click the [Yes] button.



The target group is deleted.

When the process is completed, a confirmation message appears.

STEP7: Click the [OK] button.

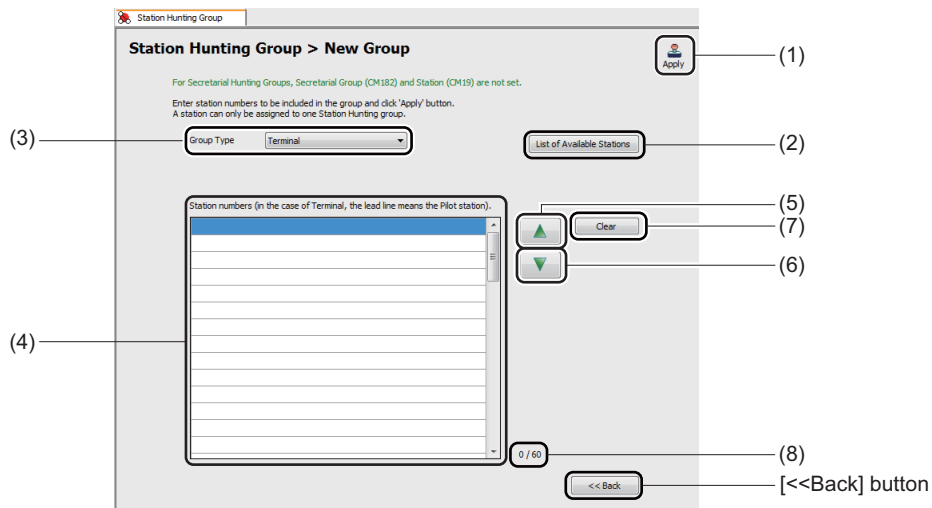


The management of existing Station Hunting Groups has now been completed.

■ Adding New Group

To add a new group, follow these steps:

STEP1: Click the [New Group] button on the [Station Hunting Group] screen.
The [New Group] screen is displayed.



No.	Item	Description
(1)	[Apply] button	Click to register the station number entered in the Station Numbers fields.
(2)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a Station Hunting Group.
(3)	Group Type field	From the dropdown list, select the group type of Station Hunting to register. • Group Type: Terminal/Circular/Secretarial (default: Terminal)
(4)	Station Numbers field	Enter a station number to register to a group. • Grid display: Up to 60 lines • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)
(5)	[Up] (▲) button	Click to move the station number selected in the Station Numbers fields one line upward.
(6)	[Down] (▼) button	Click to move the station number selected in the Station Numbers fields one line downward.
(7)	[Clear] button	Click to clear the setting of the Station Numbers fields.
(8)	<< Back button	Click to return to the previous screen.

Continued on next page

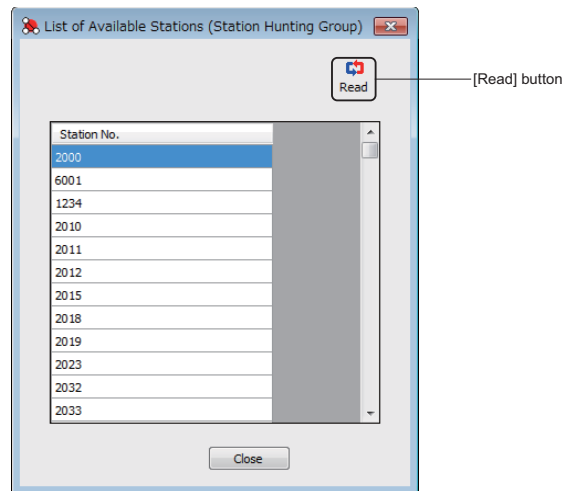
No.	Item	Description
(8)	Display of the number of Station Numbers	Displays the number of station numbers to be assigned to the group and the capacity of the group (example: 9/60).

STEP2: Set the Group Type field and the Station Numbers field.

Tips: *Finding Stations Not Assigned to a Station Hunting Group*

Stations not assigned to a Station Hunting Group can be viewed as follows:

1. On the [New Group] screen, click the [List of Available Stations] button to display the [List of Available Stations (Station Hunting Group)] screen.
2. In the [List of Available Stations (Station Hunting Group)] screen, click the [Read] button.

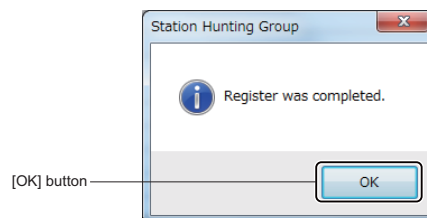


STEP3: Click the [Apply] button.

The station number entered in the Station Number fields is registered to the group.

When the process is completed, a confirmation message appears.

STEP4: Click the [OK] button.

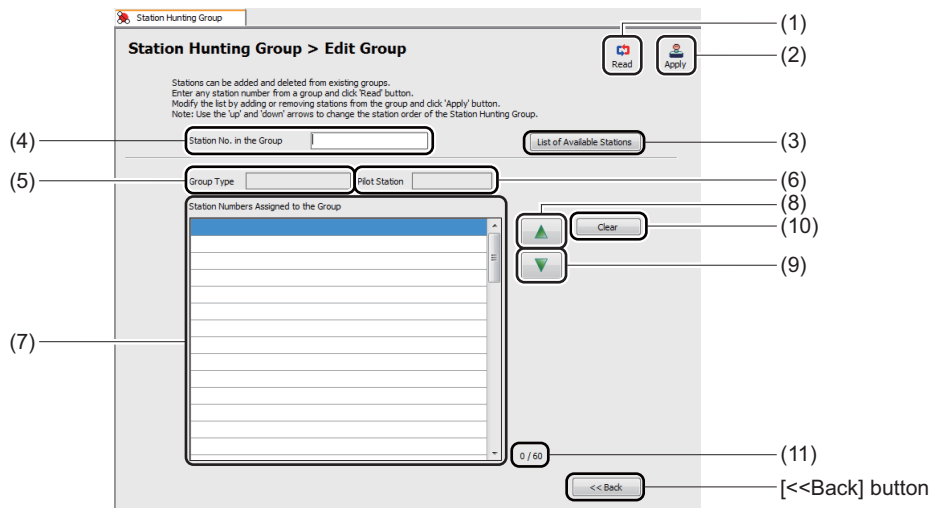


A new group has now been added.

■ Editing Groups



To view stations of a Station Hunting Group or add stations to an existing group, follow these steps:

STEP1: Click the [Edit Group] button on the [Station Hunting Group] screen.
The [Edit Group] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the station numbers assigned to the group in the Station No. in the Group field.
(2)	[Apply] button	Click to save and activate changes.
(3)	[List of Available Stations] button	Click to display the [List of Available Stations] screen and to view stations not assigned to a Station Hunting Group.
(4)	Station No. in the Group field	Enter a station number which belongs in the group (the station number pre-registered on the [New Group] screen). <ul style="list-style-type: none"> • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)
(5)	Group Type field	Displays the group type of Station Hunting to register from a dropdown list. <ul style="list-style-type: none"> • Group Type: Terminal/Circular/Secretarial * The group type of the Station Hunting is displayed only when it is correctly read by the [Read] button.

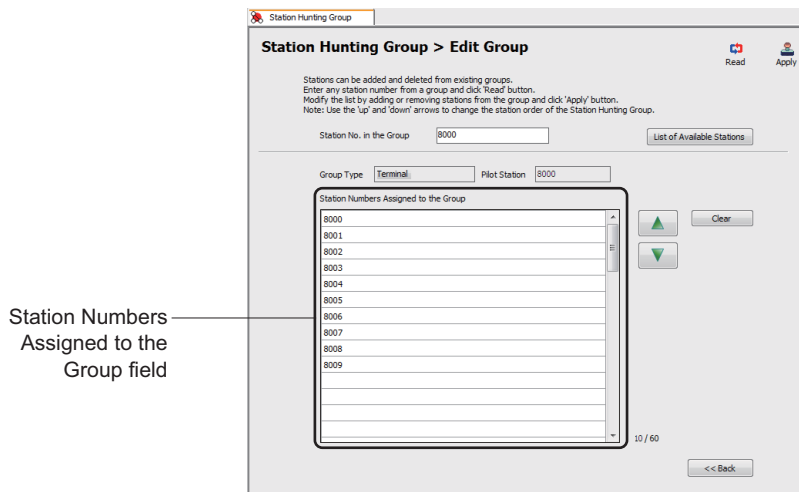
Continued on next page

No.	Item	Description
(6)	Pilot Station field	Displays the Pilot Station of the Station Hunting. * The Pilot Station of the Station Hunting is displayed only when it is correctly read by the [Read] button.
(7)	Station Numbers Assigned to the Group field	Displays the station numbers assigned to the group in the Station No. in the Group field. • Grid display: Up to 60 lines • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field) * The Station Numbers Assigned to the Group field can only be edited when the station numbers assigned to the group field are read by the [Read] button.
(8)	[Up] () button	Click to move the station number selected in the Station Numbers Assigned to the Group field one line upward. * For a Station Hunting-Terminal group, the pilot number is shown at the top of the list, and cannot be moved to anywhere else on the list.
(9)	[Down] () button	Click to move the station number selected in the Station Numbers Assigned to the Group field one line downward.
(10)	[Clear] button	Click to clear the setting of the Station No. in the Group field, Group Type field, Pilot Station field, and the Station Numbers Assigned to the Group field.
(11)	Display of the number of Station Numbers	Displays the number of stations currently assigned to the group and the capacity of the group (example: 9/60).

STEP2: In the Station No. in the Group field, enter a station number of the group, and then click the [Read] button.

The station numbers assigned to the target group are displayed in the Station Numbers Assigned to the Group field.

STEP3: View the station numbers assigned to the group which are read in the Station Numbers Assigned to the Group field.



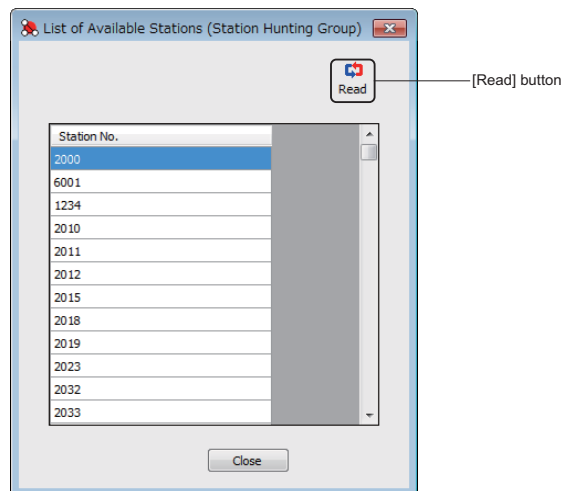
NOTE: *If the group configuration which is read by the [Read] button is wrong (a chain is not formed correctly), delete the group and then register it again. For details of deleting a Station Hunting Group, see “Viewing, Editing, or Deleting Groups” or “Deleting a Group.”*

[Page 4-200](#) or [Page 4-207](#)

Tips: ***Finding Stations Not Assigned to a Station Hunting Group***

Stations not assigned to a Station Hunting Group can be viewed as follows:

- 1. On the [Edit Group] screen, click the [List of Available Stations] button to display the [List of Available Stations (Station Hunting Group)] screen.*
- 2. In the [List of Available Stations (Station Hunting Group)] screen, click the [Read] button.*



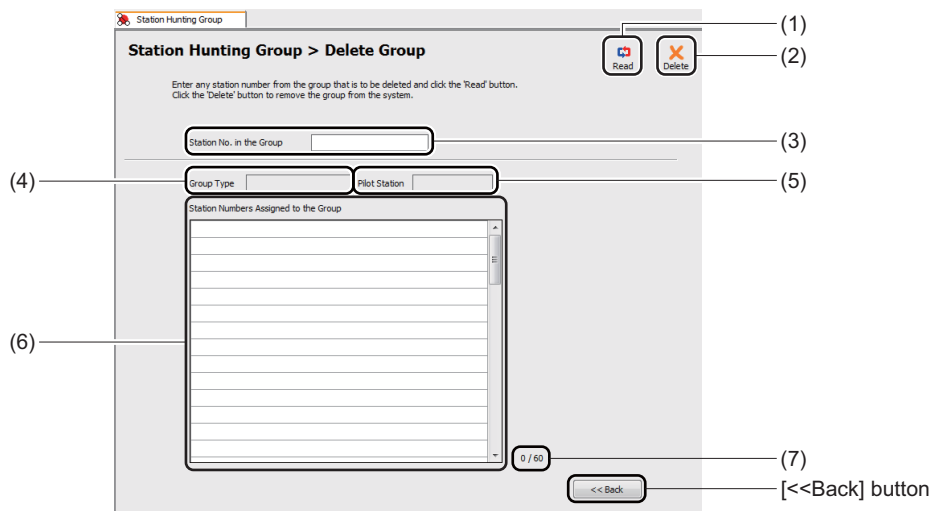
- STEP4: Enter the station numbers to be added in the Station Numbers Assigned to the Group field.
 STEP5: Change the order of the station numbers by the ▲ ▼ button, if necessary.
 STEP6: Click the [Apply] button.
 The station numbers entered in STEP4 are added to the target group.

The target Station Hunting Group has now been edited.

■ Deleting a Group

To delete a Station Hunting Group, follow these steps:

- STEP1: Click the [Delete] button on the [Station Hunting Group] screen.
 The [Delete Group] screen is displayed.



No.	Item	Description
(1)	[Read] button	Click to read the station numbers assigned to the group in the Station No. in the Group field.
(2)	[Delete] button	Click to delete the group in which the station number entered in the Station No. in the Group field belongs.
(3)	Station No. in the Group field	Enter a station number which belongs in the group to be deleted. <ul style="list-style-type: none"> • Input characters: 0 to 9, *, #, blank field • Input length: Up to 8 digits (default: blank field)

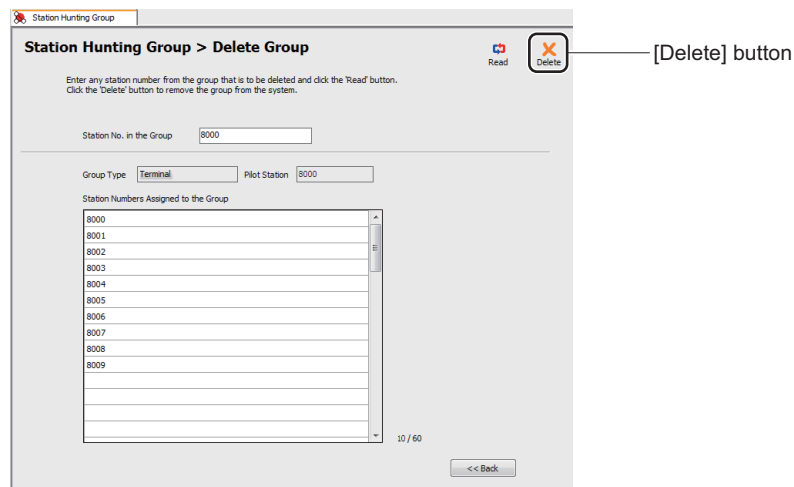
Continued on next page

No.	Item	Description
(4)	Group Type field	Displays the group type of Station Hunting to register from a dropdown list. • Group Type: Terminal/Circular/Secretarial * The group type of the Station Hunting is displayed only when it is correctly read by the [Read] button.
(5)	Pilot Station field	Displays the Pilot Station of the Station Hunting. * The Pilot Station of the Station Hunting Group is displayed only when it is correctly read by the [Read] button.
(6)	Station Numbers Assigned to the Group field	Displays the station numbers assigned to the group in the Station No. in the Group field.
(7)	Display of the number of Station Numbers	Displays the number of stations currently assigned to the group and the capacity of the group (example: 9/60).

STEP2: In the Station No. in the Group field, enter a station number of the group, and then click the [Read] button.

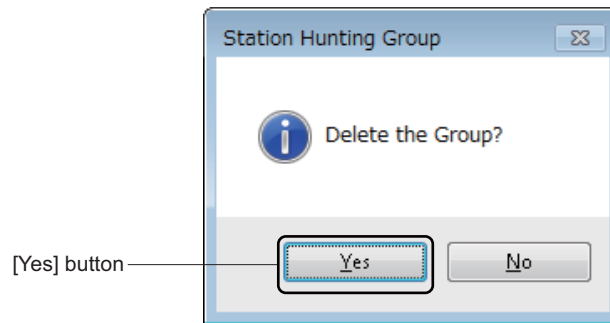
The station numbers assigned to the target group are displayed in the Station Numbers Assigned to the Group field.

STEP3: Click the [Delete] button.



An alert message appears, asking if you want to delete the group.

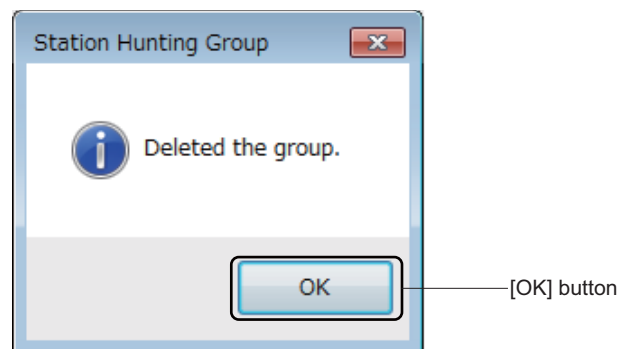
STEP4: Click the [Yes] button.



The target group is deleted.

When the process is completed, a confirmation message appears.

STEP5: Click the [OK] button.



The target group has now been deleted.

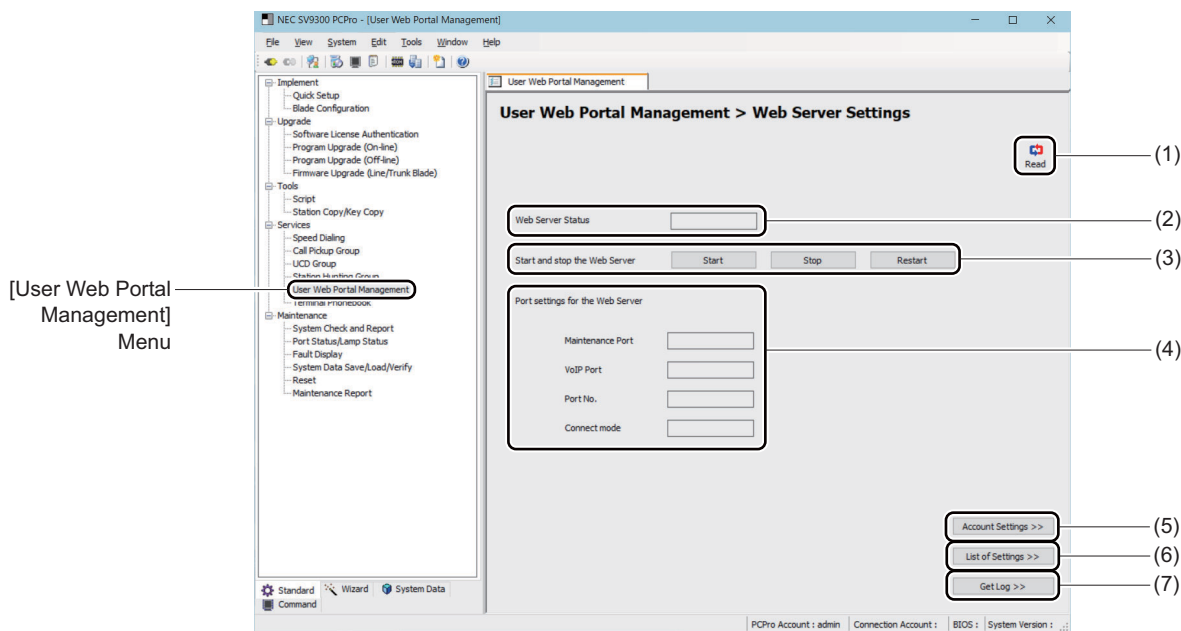
User Web Portal Management

The [User Web Portal Management] menu provides the following features.

- Verifying the Web Server Setting Status of SV9300 [Page 4-212](#)
- Starting, Stopping and Restarting Web Server [Page 4-213](#)
- Port Settings for the Web Server [Page 4-214](#)
- Account Settings [Page 4-215](#)
- Verifying or Changing List of Settings [Page 4-220](#)
- Log Collections [Page 4-225](#)
- Accessing to User Web Portal [Page 4-228](#)

Do either of the following to see the [Web Server Settings] screen of the [User Web Portal Management] menu in the work window:

- Click [User Web Portal Management] on the standard mode submenu.
- On the Main Menu, click [Edit] > [User Web Portal Management] in this order.



No.	Item	Description	
(1)	[Read] button	Click to read the Web Server status and port settings of the Web Server.	
(2)	Web Server status field	Displays the operating status of the Web Server. • Operating status of Web Server: Now Starting.../Working(HTTPS)/Working(HTTP)/Stop	
(3)	Start and stop the Web Server Area	[Start] button	Click to start the Web Server. The [User Web Portal Management] screen is displayed when you click this button.
		[Stop] button	Click to stop the Web Server.
		[Restart] button	Click to restart the Web Server. The [User Web Portal Management] screen is displayed when you click this button.
(4)	Port settings area for the Web Server	Maintenance Port field	Displays the settings of Maintenance Port • Settings of Maintenance Port: Available/Not Available
		VoIP Port field	Displays the settings of VoIP Port • Settings of VoIP Port: Available/Not Available
		Port No. field	Displays the port number of the Web Server. • HTTPS: 443, 1024-65534 • HTTP : 80, 1024-65534
		Connection mode field	Displays the connection mode used for the Web Server. • HTTPS • HTTP
(5)	[Account Settings>>] button	Click to verify or change the account settings of User Web Portal.	
(6)	[List of Settings>>] button	Click to verify or change the setting of service memory for each item set by the [User Web Portal Management] menu and the corresponding system data.	
(7)	[Get Log>>] button	Click to perform storage settings of logs or obtain logs of User Web Portal.	

■ Verifying the Web Server Setting Status of SV9300

To verify the Web Server setting status of SV9300, follow these steps:

STEP1: Click the [Read] button on the [Web Server Settings] screen.

A setting status of the Web Server is read.

STEP2: Verify the setting status displayed on the [Web Server Settings] screen.

The Web Server setting status of SV9300 has now been verified.

■ Starting, Stopping and Restarting Web Server

To start or restart the Web Server, follow these steps:

<Starting or Restarting Web Server>

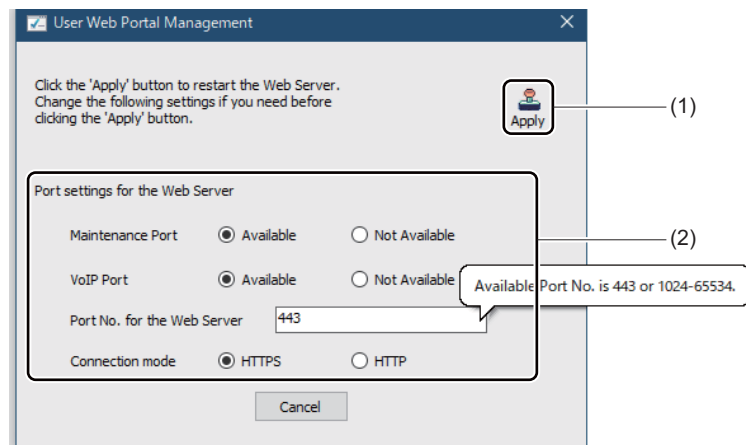
STEP1: Click the [Read] button on the [Web Server Settings] screen.

A setting status of the Web Server is read.

STEP2: Click the [Start] button or the [Restart] button on the [Web Server Settings] screen.

The [User Web Portal Management] screen is displayed.

STEP3: Set the item (2).



No.	Item	Description
(1)	[Apply] button	Click to start or restart the Web Server with set contents.
(2)	[Maintenance Port] radio button	Select “Available” when using a Maintenance Port. • Maintenance Port: Available/Not Available
	[VoIP Port] radio button	Select “Available” when using a VoIP Port. • VoIP Port: Available/Not Available
	Port No. for the Web Server field	Set the port number of the Web Server. • HTTPS: 443, 1024-65534 • HTTP : 80, 1024-65534
	[Connection mode] radio button	Select the connection mode for the Web Server. • HTTPS • HTTP

STEP4: Click the [Apply] button.
Web Server is started or restarted by the set contents.

The Web Server has now been started or restarted.

<Stopping Web Server>

STEP1: Click the [Read] button on the [Web Server Settings] screen.
A setting status of the Web Server is read.

STEP2: Click the [Stop] button on the [Web Server Settings] screen.
The Web Server is stopped.

The Web Server has now been stopped.

■ Port Settings for the Web Server

To set or change the port settings to be used for the Web Server, refer to the STEPS of <Starting or Restarting Web Server>. [📄 Page 4-213](#)

Port settings for Web Server have now been set or changed.

Account Settings

For account settings, you can set the user account to be used on User Web Portal.

NOTE: *Set the account to suit the operation of the customer. It is recommended to create one account a minimum for administrator in a system. “User” is set as the default data of User permission.*

When you click the [Account Settings >>] button on the [Web Server Settings] screen, The [Account Settings] screen is displayed.

The screenshot displays the 'User Web Portal Management > Account Settings' interface. At the top right, there is a 'Read' button (1). Below it, a 'Range Settings' button (2) is accompanied by a note: 'In case of changing the permission of more than one station at a time, select the applicable stations and click the Range Settings button. (Range Settings is not available for clearing the password.)'. A table lists user accounts with columns: User ID (Station No.), Name, User permission, Password setting, and Config. The row for User ID 12001 is highlighted in green, indicating a difference between system data and service memory. A 'Config' button (3) is located to the right of the table. At the bottom right, there is a '<< Back' button (<<Back>> button).

User ID (Station No.)	Name	User permission	Password setting	Config
100		Administrator	(Unestablished)	...
12000		Administrator	(Unestablished)	...
12001		User*	(Unestablished)	...
12002		User	(Unestablished)	...
12003		User	(Unestablished)	...
12004		User	(Unestablished)	...
12005		User	(Unestablished)	...
12006		User	(Unestablished)	...
12007		User	(Unestablished)	...
12008		User	(Unestablished)	...
12009		Administrator	(Unestablished)	...
12010		User	(Unestablished)	...
12011		User	(Unestablished)	...
12012		Administrator	(Unestablished)	...
12013		Administrator	(Unestablished)	...
12014		User	(Unestablished)	...
12015		Administrator	(Unestablished)	...
12016		Administrator	(Unestablished)	...

No.	Item		Description
(1)	[Read] button		Click to read the account information of the User Web Portal from the SV9300.
(2)	[Range Settings] button		Click to change the user permission for multiple users.
(3)	Account Information Display Area	User ID (Station No.) field	Displays User IDs (Station No.).
		Name field	Displays the names assigned to the station numbers using the Name Display feature. * For details of Name Display, refer to the “Programming Manual”.
		User permission field	Displays the user permission set for each User ID (Station No.). User permission: Administrator/Supervisor/User/Unauthorized User * Currently-operated user permission is displayed in this field. If the user permission set to the service memory and system data differs, user permission is displayed by “*” (green color). In such a case, verify the set contents on the [List of Settings] screen.
		Password setting field	Displays the password setting status for each User ID (Station No.). Password Setting Status: Set/Unestablished
		Config field	Click to change the account settings.

<Changing User Permission, Password Clear>

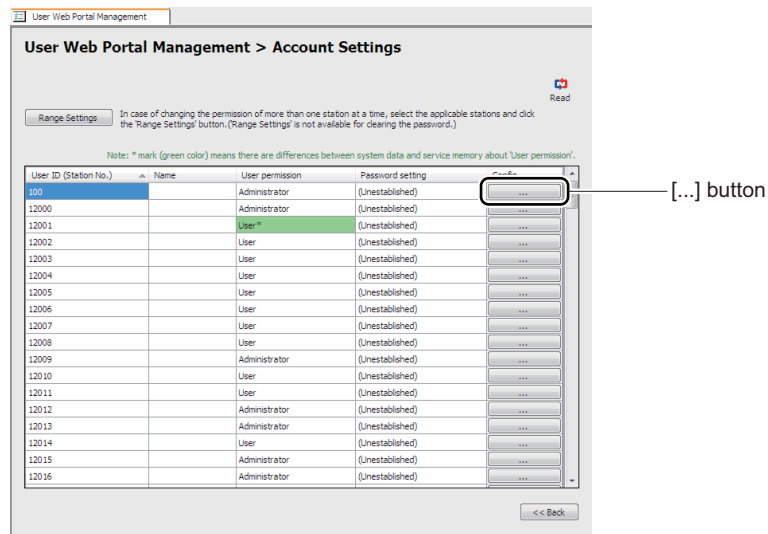
To change the User permission or clear the password for each User ID (Station No.), follow these steps:

STEP1: Click the [Read] button.

The account information of User Web Portal is read from SV9300.

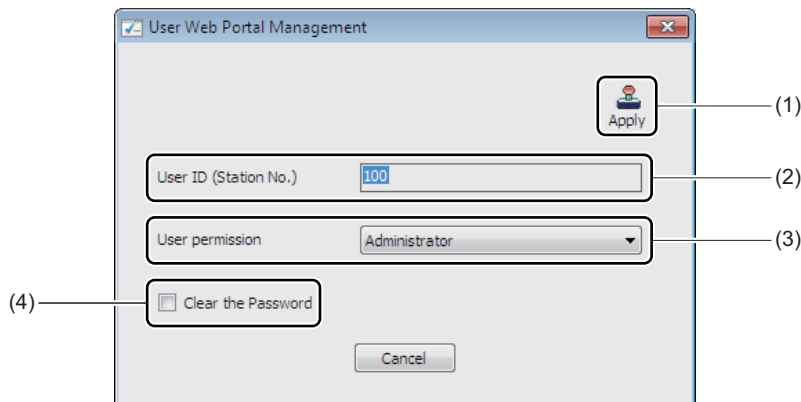
List of accounts is displayed in the work window.

STEP2: Click the [...] button of the User ID for which you want to change the setting.



If you click the [...] button, the [User Web Portal Management] screen is displayed.

STEP3: Set the items (3) and (4).



No.	Item	Description
(1)	[Apply] button	Click to write the set contents to the SV9300.
(2)	User ID (Station No.) field	Displays the Use ID (Station No.).

Continued on next page

No.	Item	Description
(3)	User permission field	Specify the user permission to the selected User ID (Station No.). User permission: Administrator/Supervisor/User/ Unauthorized User
(4)	“Clear the Password” check box	Click to clear the password for selected User ID (Station No.). * If you clear the password, a station number is assigned as a default data.

STEP4: Click the [Apply] button.
PCPro writes the set contents to the SV9300.

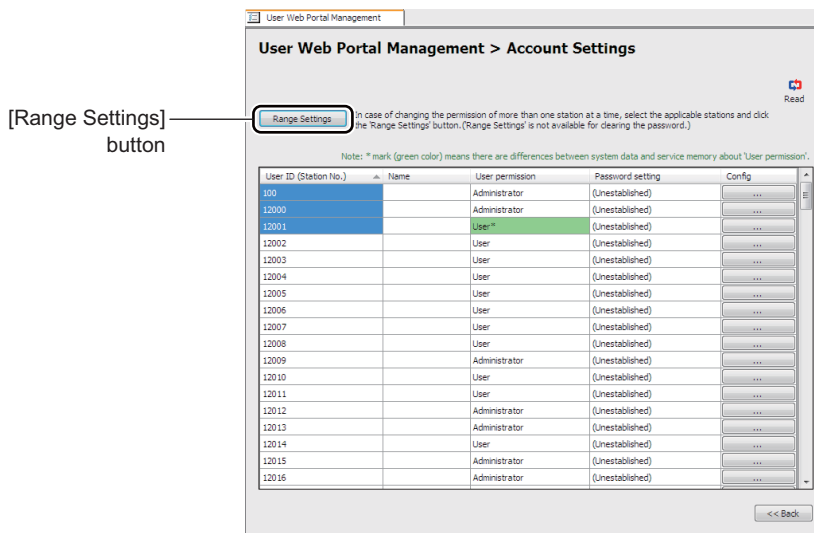
Changing user permission and password clear have now been completed.

<Changing User Permissions by Range Settings>

To change the user permission for multiple users at a time, follow these steps:

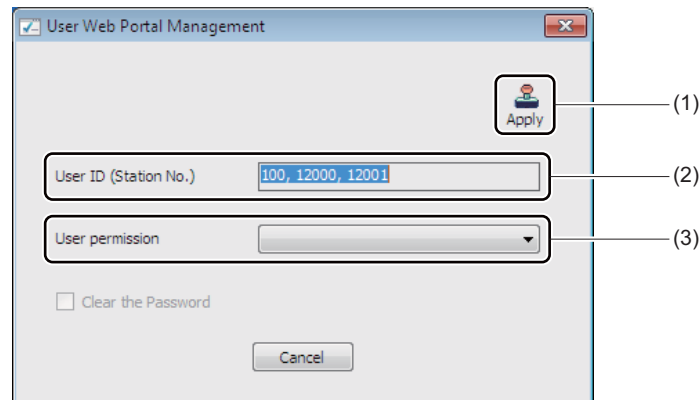
STEP1: Click the [Read] button.
The account information of User Web Portal is read from SV9300.
List of accounts is displayed in the work window.

STEP2: Select the all User IDs for which you want to change the setting. Then click the [Range Settings] button.



If you click the [Range Settings] button, the [User Web Portal Management] screen is displayed.

STEP3: Set the item (3).



No.	Item	Description
(1)	[Apply] button	Click to write the set contents to the SV9300.
(2)	User ID (Station No.) field	Display the User IDs (Station No.) selected on the [Account Settings] screen.
(3)	User permission field	Specify the user permission to the selected User IDs (Station No.). User Authority: Administrator/Supervisor/User/ Unauthorized User

STEP4: Click the [Apply] button.
PCPro writes the set contents to the SV9300.

NOTE: Passwords of users cannot be cleared by the range settings.

Changing user permissions by range settings have now been completed.

■ Verifying or Changing List of Settings

In the list of Settings, you can verify or change the settings of the service memory used for each setting item on the User Web Portal and system data corresponded to the service memory.

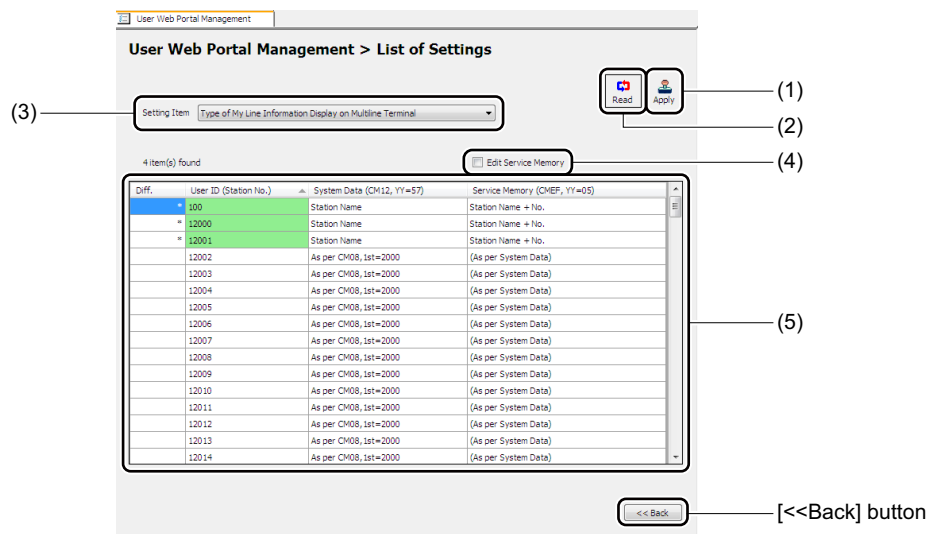
NOTE: *About List of Settings.*


- *Set contents using User Web Portal by users are saved into the service memory.*
- *The system makes contents in the service memory set by user higher priority than system data settings and operates.*
- *In the [List of Settings] screen, the setting status of system data and service memory can be compared (change the set contents if necessary).*
- *Enough care should be taken to change the contents in the service memory while the service of User Web Portal is operating.*
- *The set contents to be saved as the service memory are as follows.*
 - *Name Display*
 - *Type of My Line Information on Multiline Terminal*
 - *Illumination Color of Multiline Terminal for Internal Call*
 - *Illumination Color of Multiline Terminal for External Call*
 - *Use permission for User Web Portal*

To verify or change the settings of the service memory used for each setting item on the User Web Portal and system data corresponded to the service memory, follow these steps:

STEP1: Click the [List of Settings >>] button on the [Web Server Settings] screen.
The [List of Settings] screen is displayed.

STEP2: Select the item to be read by the Setting Item pull-down menu. Then click the [Read] button.
List of settings is read from the SV9300.



No.	Item	Description
(1)	[Apply] button	Click to write the set contents to the SV9300.
(2)	[Read] button	Click to read the list of settings from the SV9300.
(3)	Setting Item pull-down menu	Click  to select the setting item from the pull-down menu. Setting Item: <ul style="list-style-type: none"> - Name Display - Type of My Line Information on Multiline Terminal - Illumination Color of Multiline Terminal for Internal Call - Illumination Color of Multiline Terminal for External Call - User permission for User Web Portal
(4)	“Edit Service Memory” check box	Check to edit values for the service memory.

Continued on next page

No.	Item		Description
(5)	List of settings Area	Diff. field	Displays “ * ” if there is difference between the service memory and the system data setting. * In actual operations, set contents in the service memory have a higher priority than system data settings.
		User ID (Station No.) field	Displays User IDs (Station No.)
		System Data field	Displays the setting status of system data used for the item selected by the Setting Item pull-down menu.
		Service Memory field	Displays the setting status of service memory when using the item selected by the Setting Item pull-down menu on the User Web Portal.

Tips: *Setting Item for User Web Portal, Related System Data and Service Memory*
The following table shows the details of the items set on the User Web Portal and related system data and service memory.

Setting Item	System Data	Service Memory
Name Display	CM77 Y=1 • No data (default) • Station Name assignment with character (for English) (Maximum 16 characters)	CMEF Y=00 • No data (as per system data if no data is assigned) • Station Name assignment with character (for English) (Maximum 16 characters)
Type of My Line Information on Multiline Terminal	CM12 Y=57 • As per CM08, 1st=2000 (default) • Station No. • Station Name • Station No. + Name • Station Name + No.	CMEF Y=05 • As per System Data (default) • Station No. • Station Name • Station No. + Name • Station Name + No.

Continued on next page

Setting Item	System Data	Service Memory
Illumination Color of Multiline Terminal for Internal Call	CM12 Y=83 <ul style="list-style-type: none"> • Red (7 color LED terminal)/Red (3 color terminal) (default) • Green (7 color LED terminal)/Green (3 color terminal) • Blue (7 color LED terminal)/Yellow (3 color terminal) • Yellow (7 color LED terminal)/Yellow (3 color terminal) • Purple (7 color LED terminal)/Yellow (3 color terminal) • Light Blue (7 color LED terminal)/Yellow (3 color terminal) • White (7 color LED terminal)/Yellow (3 color terminal) • Rotation (7 color LED terminal)/Yellow (3 color terminal) 	CMEF Y=06 <ul style="list-style-type: none"> • As per System Data (default) • Green (7 color LED terminal)/Green (3 color terminal) • Blue (7 color LED terminal)/Yellow (3 color terminal) • Yellow (7 color LED terminal)/Yellow (3 color terminal) • Purple (7 color LED terminal)/Yellow (3 color terminal) • Light Blue (7 color LED terminal)/Yellow (3 color terminal) • White (7 color LED terminal)/Yellow (3 color terminal) • Rotation (7 color LED terminal)/Yellow (3 color terminal)
Illumination Color of Multiline Terminal for External Call	CM12 Y=84 <ul style="list-style-type: none"> • Red (7 color LED terminal)/Red (3 color terminal) (default) • Green (7 color LED terminal)/Green (3 color terminal) • Blue (7 color LED terminal)/Yellow (3 color terminal) • Yellow (7 color LED terminal)/Yellow (3 color terminal) • Purple (7 color LED terminal)/Yellow (3 color terminal) • Light Blue (7 color LED terminal)/Yellow (3 color terminal) • White (7 color LED terminal)/Yellow (3 color terminal) • Rotation (7 color LED terminal)/Yellow (3 color terminal) 	CMEF Y=07 <ul style="list-style-type: none"> • As per System Data (default) • Green (7 color LED terminal)/Green (3 color terminal) • Blue (7 color LED terminal)/Yellow (3 color terminal) • Yellow (7 color LED terminal)/Yellow (3 color terminal) • Purple (7 color LED terminal)/Yellow (3 color terminal) • Light Blue (7 color LED terminal)/Yellow (3 color terminal) • White (7 color LED terminal)/Yellow (3 color terminal) • Rotation (7 color LED terminal)/Yellow (3 color terminal)

Continued on next page

Setting Item	System Data	Service Memory
Use permission for User Web Portal	CM12 Y=55 <ul style="list-style-type: none"> • User (default) • Administrator • Supervisor • User • Unauthorized User 	CMEF Y=08 <ul style="list-style-type: none"> • As per System Data (default) • Administrator • Supervisor • User • Unauthorized User

STEP3: Verify the contents displayed on the List of settings area.

STEP4: When changing the data setting, check the “Edit Service Memory” check box.
Checking this check box, you can change the settings of the Service Memory field.

STEP5: Change the System Data field and the Service Memory field.
Enter the desired data when the Setting Item is Name Display. Other than that, select the data from the pull-down menu.

STEP6: Click the [Apply] button.
PCPro writes the set contents to the SV9300.

The list of settings has now been verified or changed.

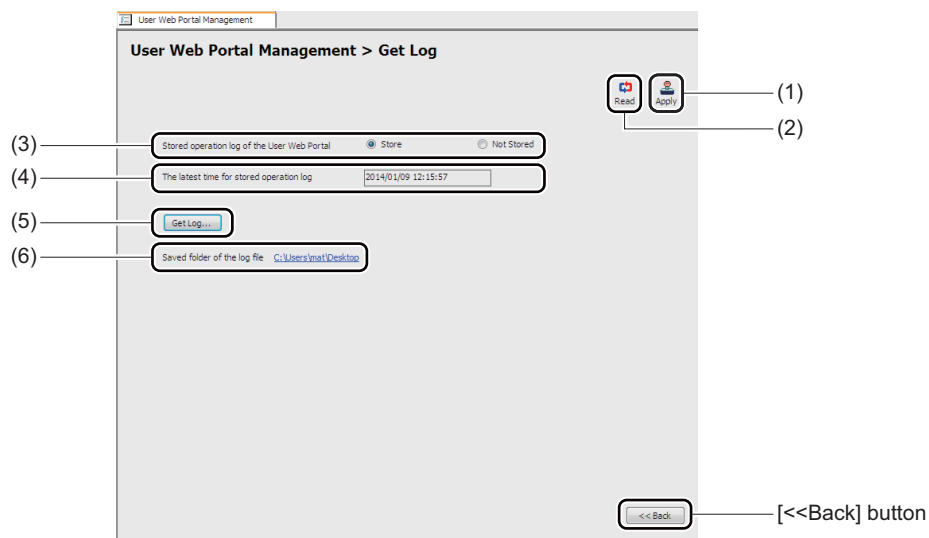
■ Log Collections

In log collections, the contents operated by customers using User Web Portal are stored in the system as logs. In the [Get Log] screen, you can collect their logs. To collect logs for User Web Portal, follow these steps:

NOTE: *Log collections are available only for a LAN connection.*

STEP1: Click the [Get Log] button on the [Web Server Settings] screen.
The [Get Log] screen is displayed.

STEP2: Click the [Read] button.
Read the log information from the SV9300.

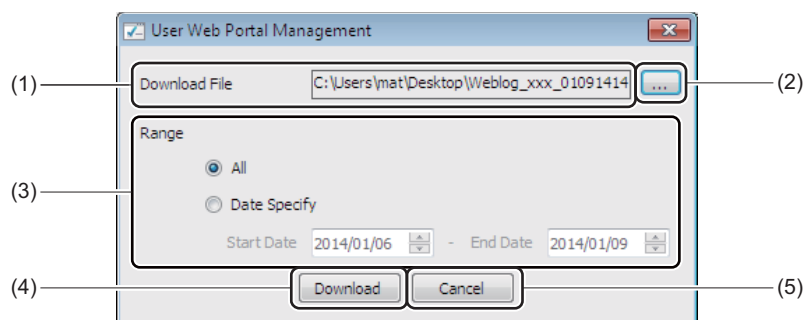


No.	Item	Description
(1)	[Apply] button	Click to write the set contents to the SV9300.
(2)	[Read] button	Click to read the log information from the SV9300.
(3)	[Stored operation log of the User Web Portal] radio button	Select whether to store the logs for User Web Portal by the radio button. [Stored operation log of the User Web Portal] radio button: Store/Not Stored

Continued on next page

No.	Item	Description
(4)	The latest time for stored operation log field	Displays the latest date and the time that the operation logs for User Web Portal are stored. *1 The latest time is updated when system data is changed from CAT/PCPro (the update of latest time is a subject not just for User Web Portal but for all system data). *2 Stored logs are cleared when SV9300 is reset.
(5)	[Get Log...] button	Click to download the logs for User Web Portal.
(6)	Saved folder of the log file field	Displays the saved folder of the downloaded file when downloading logs.

STEP3: Click the [Get Log...] button.
The output screen for logs is displayed.



No.	Item	Description	
(1)	Download File field	Displays the file name of logs to be downloaded.	
(2)	[...] button	Open the dialog box to select a log file and set the output destination of the log file to be downloaded.	
(3)	Range Area	[All] radio button	Check to download the all logs stored in the User Web Portal.
		[Date Specify] radio button	Check to download the log of the specified period. • Start Date: Specify the start date of an extracting period • End Date : Specify the end date of an extracting period
(4)	[Download] button	Click to download the logs.	
(5)	[Cancel] button	Click to cancel the operation.	

STEP4: Click the [...] button and select the destination to save the log file on the dialog box.

STEP5: Select the range of logs to download.

- When downloading all logs, check the [All] radio button.
- When downloading logs for the specific time period, check the [Date Specify] radio button and specify the Start Date and the End Date.

STEP6: Click the [Download] button.

The log file is downloaded. The destination of the saved log file is displayed on the [Get Log] screen.

*1 When downloading a log file, the port function of LAN port which is connecting PCPro (set by CM40 Y=00: 30) is changed and remained to “Operation Log Output”. In addition, when a port function of LAN port which is not connected to PCPro is set to “Operation Log Output”, the port function is cleared.

*2 Do not download logs for User Web Portal from two PCPro at a time.

Tips: *Operation Log of User Web Portal*

In the log collection, operation logs as shown below can be downloaded.

An example of operation logs:

```
-- 2014/01/26 17:02:23 - - - [floor] SC-4244 V2.1.1/1.9.0.40
```

Type	Date/Time	User Permission	Operator	Target User	Operation Log	Remarks
01	2014/01/26 05:02:27	-	-	-	Web Server start	80
01	2014/01/26 09:32:53	0	3102	3102	Login OK	
01	2014/01/26 09:43:55	0	3102	3102	Logout (User)	
01	2014/01/26 09:44:34	0	3102	3102	Login OK	
01	2014/01/26 09:45:35	0	3102	3102	Logout (User)	
01	2014/01/26 09:46:27	0	3102	3102	Login OK	
01	2014/01/26 09:49:00	0	3102	3102	Logout (User)	
01	2014/01/26 09:49:10	0	3102	3102	Login OK	
01	2014/01/26 09:49:17	0	3102	3102	Logout (User)	
01	2014/01/26 09:49:28	0	3102	3102	Login OK	
01	2014/01/26 09:49:35	0	3102	3102	Logout (User)	
01	2014/01/26 09:49:43	0	3102	3102	Login OK	
01	2014/01/26 09:51:48	0	3102	3102	Logout (User)	
01	2014/01/26 10:16:03	2	2401	2401	Login OK	
01	2014/01/26 10:16:49	0	2401	2401	Login OK	
01	2014/01/26 10:29:09	0	2401	2401	Logout (TimeOut)	
01	2014/01/26 10:30:55	0	2401	2401	Login OK	
01	2014/01/26 11:01:43	0	2401	2401	Logout (TimeOut)	

END

- Type : 01 (fixed): log related to User Web Portal
- Date/Time : Operated date/time
- User Permission: 0 (Administrator)/1 (Supervisor)/2 (User)/3 (Unauthorized User)
- Operator : User ID (Station No.) operated by User Web Portal
- Target User : User ID (Station No.) which is changed the setting by an operator
- Operation Log : Displays the operated contents
- Remarks : Additional information of operation log

The logs stored in User Web Portal have now been collected.

■ Accessing to User Web Portal

To access to User Web Portal, follow these steps:

STEP1: Open the Web browser and access to “https://xx.xx.xx.xx/” (“http://xx.xx.xx.xx/” for an HTTP communication).

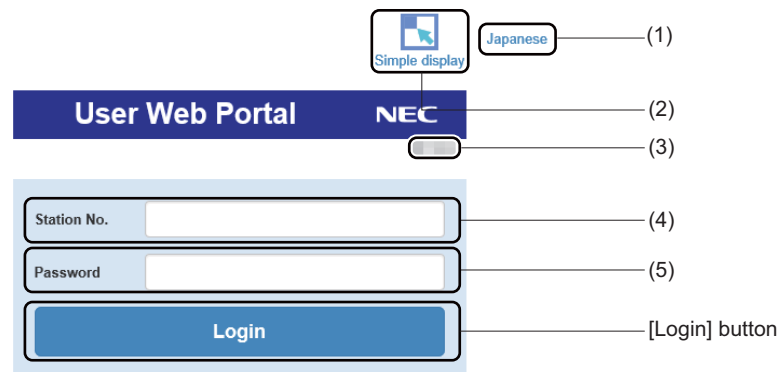
The [Login] screen for User Web Portal is displayed.

NOTE 1: The “xx.xx.xx.xx” part of URL represents an IP address for either VOIP port or Maintenance port of Unit01 of SV9300.

NOTE 2: When a port number is changed, add a colon (:) + a port number after the IP address as follows.

An example: https://xx.xx.xx.xx:443 (when the port number is changed to 443)

STEP2: Enter the Station No. and the Password to login.



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No.	Item	Description
(1)	[English/Japanese] button	Switches the display languages (English/Japanese).
(2)	[Simple display /Full display] button	Switches between Simple and Full display modes.
(3)	Version	Displays the current version of your SV9300.
(4)	[Station No.] field	As the user account, enter the station number of the station which is currently used by the user.

Continued on next page

No.	Item	Description
(5)	[Password] field	Enter the password of the station which is currently used by the user. * Default value is the same as the station number.

NOTE: *The kind of stations that can be used as the user account are as follows.*

- *Single Line Station*
- *Multiline Terminal Station (including IP Station)*
- *Standard SIP Station*

You have now been accessed to User Web Portal.

Terminal Phonebook

Terminal Phonebook is in addition to the personal directory (Station Speed Dialing) and system directory (System Speed Dialing).

Terminal Phonebook by each station number of the DT900 Series can be created on PCPro. When you create Terminal Phonebook with the same content and assign it to each terminal in your department or organization, you can provide the Terminal Phonebook shared between them.

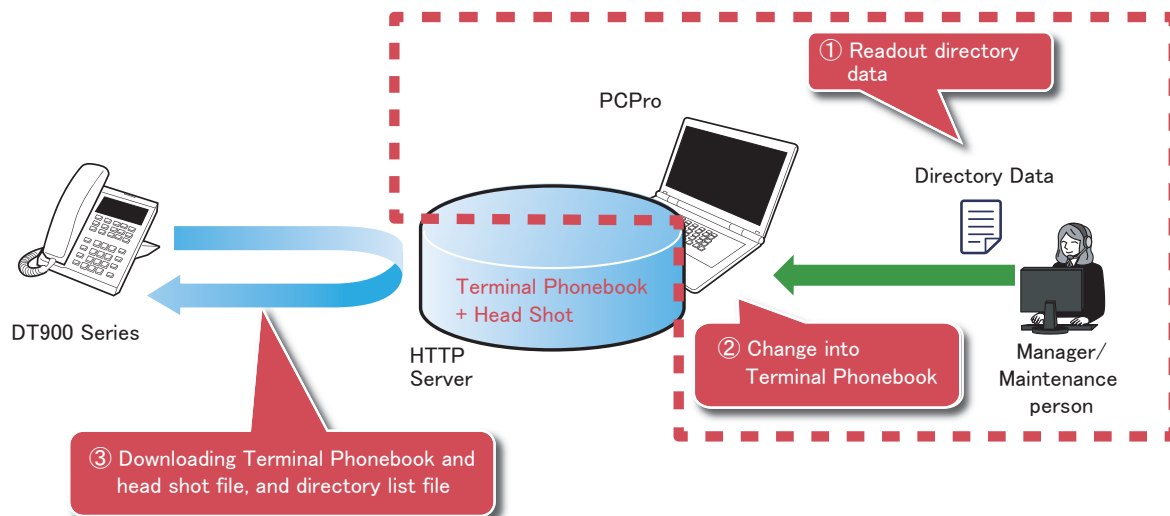
By choosing Terminal Phonebook from a list which is read from an HTTP server, Terminal Phonebook can be downloaded from an HTTP server.

Using the [Terminal Phonebook] menu, you can create Terminal Phonebook by each station number of DT900 Series and can download it to the terminals.

For creating Terminal Phonebook, an external file (Excel file) is required. For downloading Terminal Phonebook to a terminal, an HTTP server is used.

An example of Terminal Phonebook creation is as follows:

- (1) Creating directory data (Excel)
Read a sample file (Excel) of a directory data, edit the data and save it.
- (2) Changing the Excel file to a Terminal Phonebook zip
After resizing a head shot and changing the directory format, create a zip file included the head shot and directory data for downloading.



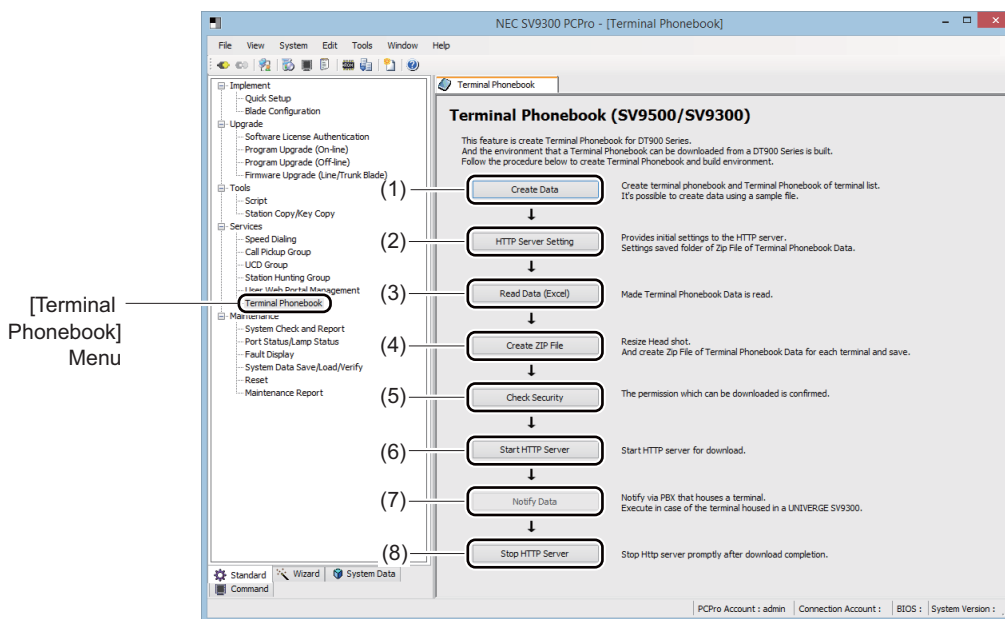
NOTE 1: A directory data created on the [Terminal Phonebook] menu is available only for DT900 Series (except DT920).

NOTE 2: Terminal Phonebook zip for downloading can be used for DT900 Series (except DT920) accommodated in the SV9300 or SV9500. For downloading to the SV9500, an HTTP server which is not used by SV9300 PCPro is required.

NOTE 3: When creating Terminal Phonebook zip used on DT900 Series (except DT920) accommodated in the SV9500, refer to the related manual of the SV9500.

The [Terminal Phonebook] screen appears by operating either of the following ways:

- Click the [Terminal Phonebook] on the sub menu in Standard Mode.
- Click the [Edit] - [Terminal Phonebook] menu in the main menu.

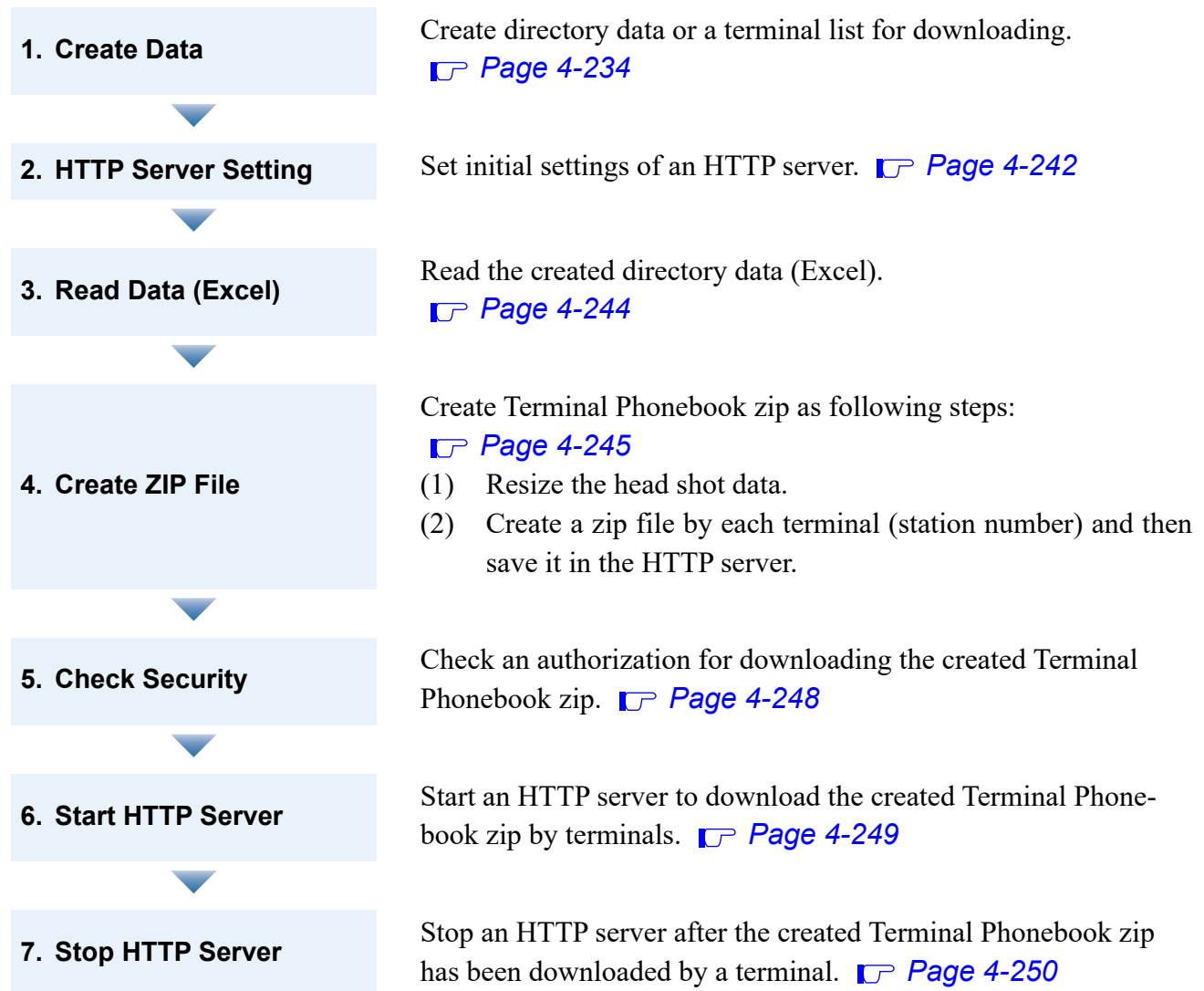


No.	Item	Description
(1)	[Create Data] button	Click to create directory data or a terminal list for downloading Terminal Phonebook. The [Terminal Phonebook] screen appears.
(2)	[HTTP Server Setting] button	Click to set the initial settings of an HTTP server. The [Whole Setting] menu in the [HTTP Server Settings] screen appears.
(3)	[Read Data (Excel)] button	Click to read the created directory data (Excel). The [Read Data (Excel)] screen appears.
(4)	[Create ZIP File] button	Click to create Terminal Phonebook zip. The [Create ZIP File] screen appears.
(5)	[Check Security] button	Click to check an authorization for downloading the created Terminal Phonebook zip. The [Starting and Stopping] menu in the [HTTP Server Setting] screen appears.

No.	Item	Description
(6)	[Start HTTP Server] button	Click to start an HTTP server. The [Starting and Stopping] menu in the [HTTP Server Settings] screen appears.
(7)	[Notify Data] button	Not used.
(8)	[Stop HTTP Server] button	Click to stop an HTTP server. The [Starting and Stopping] menu in the [HTTP Server Settings] screen appears.

■ Setting Operation

Operating environment configuration and creating Terminal Phonebook are as follows:



NOTE 1: When logging on to PCPro with a manager account, HTTP Server Settings cannot be edited (available only for readout).

NOTE 2: The Terminal Phonebook log is stored in the “TerminalPhonebook.log” file.

■ Create Data

Directory data or a terminal list for downloading can be created by editing a sample Excel file. The sample file is created during the PCPro installation.

If the Excel file has been already created, go to [HTTP Server Setting](#).

NOTE 1: *Be sure to create the following sheets in directory data (Excel):*

M_USER

M_TEL

TERMINAL

station number (by each station number)

** The maximum 100 sheets can be created as the “station number” sheet.*

NOTE 2: *An available file format is “xlsx” or “xlsm” for directory data (Excel). Other formats in Excel (such as “xls” or “csv”) cannot be used.*

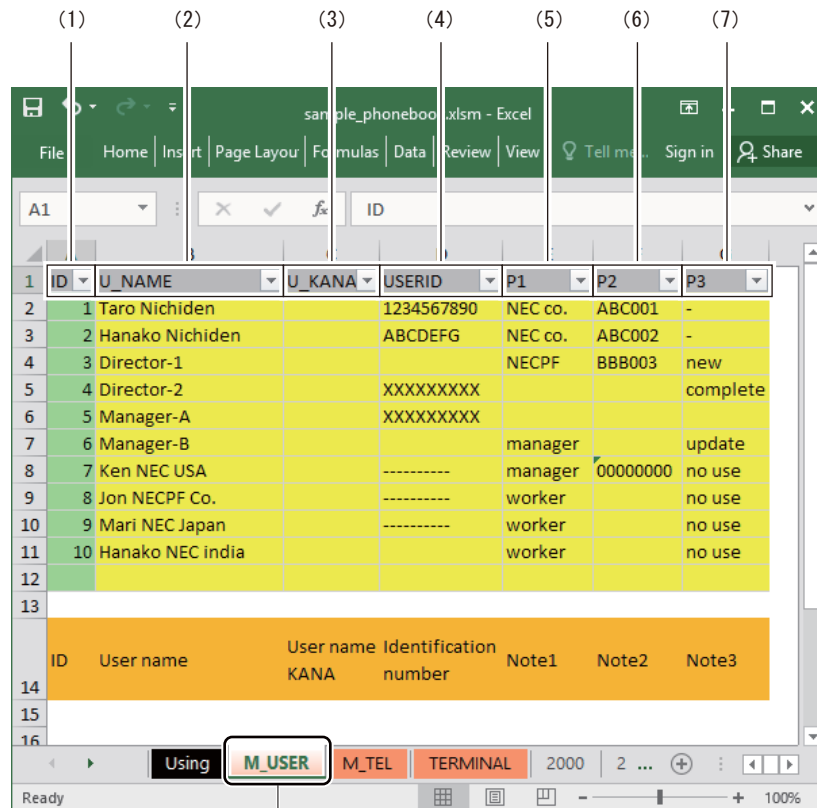
NOTE 3: *Macros in Excel is used to create directory data (Excel). Be sure to enable macros in Excel before starting the following steps. For the details, see the [<Enabling Macro in Excel>](#) in Chapter 1.*

STEP1: Click the [Create Data] button on the [Terminal Phonebook] screen.
The [Open file] screen is displayed.

STEP2: Select the Excel file for creating directory data, and then click the [Open] button.
The Excel file is opened.

STEP3: Edit the user information in the M_USER sheet.

NOTE: The user information in the M_USER sheet can be omitted.

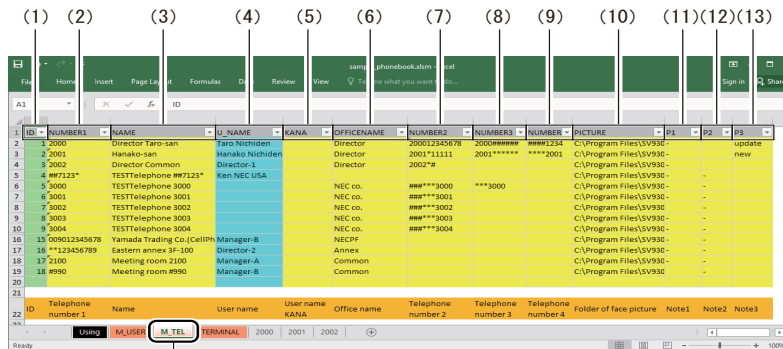


[M_USER] Sheet

No.	Column Item	Description
(1)	ID	Input the ID number. • ID: 1-10000 NOTE 1: When assigning the user information, be sure to set this item. NOTE 2: The overlapping ID number cannot be used.
(2)	U_NAME	Input the user name. • U_NAME: Any text string NOTE: When assigning the user information, be sure to set this item.
(3)	U_KANA	Not used.
(4)	USERID	Input the number such as an employee number. (Option)

No.	Column Item	Description
(5)	P1	For remarks column. (Option)
(6)	P2	
(7)	P3	

STEP4: Edit the telephone number information in the M_TEL sheet.



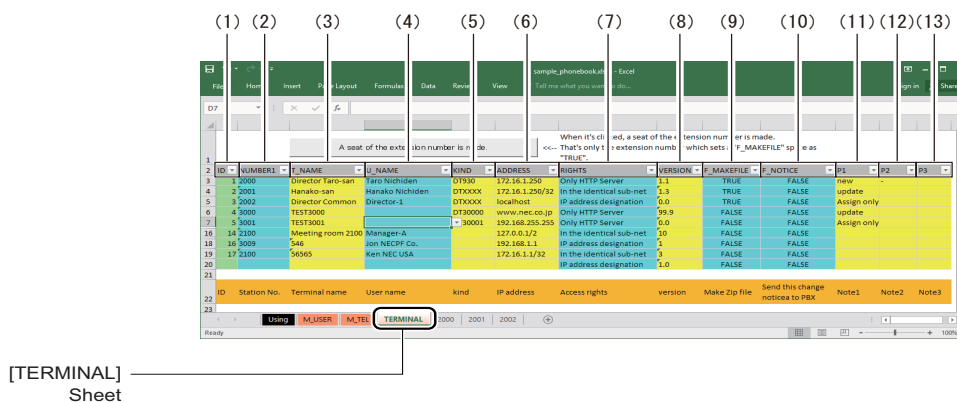
[M_TEL] Sheet

No.	Column Item	Description
(1)	ID	Input the ID number. • ID: 1-60000 NOTE 1: Be sure to set this item. NOTE 2: The overlapping ID number cannot be used.
(2)	NUMBER1	Input the telephone number. • NUMBER1: 0-9, *, # (Maximum 32 digits) NOTE 1: Be sure to set this item. NOTE 2: The overlapping telephone number cannot be used. NOTE 3: When specifying the station number, the maximum digits is 31.
(3)	NAME	Input the display name. • NAME: Maximum 32 characters NOTE: Be sure to set this item.
(4)	U_NAME	Choose the user name from the U_NAME column in the M_USER sheet or input it. (Option) • U_NAME: Any text string
(5)	KANA	Not used.

No.	Column Item	Description
(6)	OFFICENAME	Input the company name. (Option) • OFFICENAME: Maximum 32 characters
(7)	NUMBER2	Input the second telephone number. (Option) • NUMBER2: 0-9, *, # (Maximum 32 digits)
(8)	NUMBER3	Input the third telephone number. (Option) • NUMBER3: 0-9, *, # (Maximum 32 digits)
(9)	NUMBER4	Input the fourth telephone number. (Option) • NUMBER4: 0-9, *, # (Maximum 32 digits)
(10)	PICTURE	Input the photo file name with full path. (Option) • PICTURE: Maximum 128 characters
(11)	P1	For remarks column. (Option)
(12)	P2	
(13)	P3	

NOTE: When creating multiple directory data (Excel), be sure to specify the same photo file making a pair with the same telephone number on the PICTURE column. If the different photo file is specified by each directory data (Excel), the PICTURE data may be overwritten by the specified data later due to access rights.

STEP5: Edit the terminal list information (such as a terminal name, a station number, an IP address/subnet or access authority) in the TERMINAL sheet by each terminal which is downloaded directory data.



No.	Column Item	Description
(1)	ID	Input the ID number. • ID: 1-10000 NOTE 1: <i>Be sure to set this item.</i> NOTE 2: <i>The overlapping ID number cannot be used.</i>
(2)	NUMBER1	Choose the station number in the list that is displayed by clicking the NUMBER1 column. (The displayed list is the registered station number in the M_TEL sheet.) Or, input the station number. NOTE 1: <i>Be sure to set this item.</i> NOTE 2: <i>The overlapping station number cannot be used.</i> NOTE 3: <i>When the unregistered station number in the M_TEL sheet is input, an error occurs.</i>
(3)	T_NAME	Input the terminal name. • NAME: Any text string NOTE: <i>Be sure to set this item.</i>
(4)	U_NAME	Choose the user name from the U_NAME column in the M_USER sheet or input it. (Option) • U_NAME: Any text string
(5)	KIND	Input the kind of the terminal. (Option) • KIND: Any text string
(6)	ADDRESS	Input the IP address/subnet mask of the terminal. • ADDRESS: Maximum 28 characters NOTE 1: <i>Be sure to set this item.</i> NOTE 2: <i>The domain name is also available.</i> NOTE 3: <i>When the authority of the RIGHTS column is “IP address designation” or “Only HTTP Server”, this data should be input with an IPv4 format.</i> NOTE 4: <i>When the authority of the RIGHTS column is “In the identical sub-net”, this data should be input with a CIDR format.</i>
(7)	RIGHTS	Input the authority for access to Terminal Phonebook zip. • RIGHTS: IP address designation/In the identical sub-net/Only HTTP Server

No.	Column Item	Description
(8)	VERSION	Input the version of Terminal Phonebook. <ul style="list-style-type: none"> VERSION: Maximum two digits of an integer part NOTE 1: Be sure to set this item. NOTE 2: When specifying the decimal place, specify a digit of the decimal part.
(9)	F_MAKEFILE	Input whether to create a zip file. <ul style="list-style-type: none"> F_MAKEFILE: TRUE (created)/FALSE (not created) NOTE: When creating Terminal Phonebook zip, be sure to set "TRUE" (created). If this item is blank, the system handles it as "FALSE" (not created).
(10)	F_NOTICE	Input whether to inform a terminal via the system. <ul style="list-style-type: none"> F_NOTICE: FALSE (not informed) NOTE: Be sure to set to "FALSE" (not informed). If this item is blank, the system handles it as "FALSE" (not informed).
(11)	P1	For remarks column. (Option)
(12)	P2	
(13)	P3	

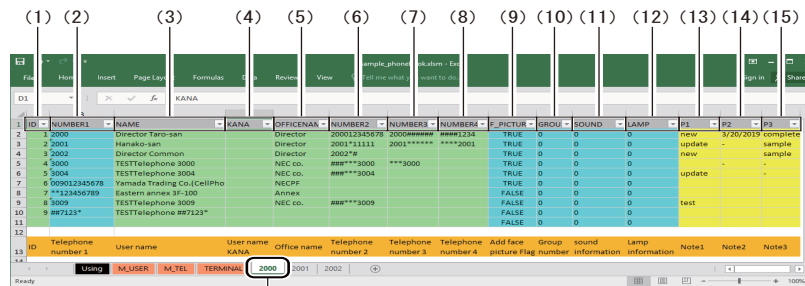
NOTE 1: The data in the ADDRESS or RIGHTS column is displayed as security information on the [Phonebook] menu in the [HTTP Server Settings] screen.

NOTE 2: The address data in the ADDRESS column must be indicated with the following formats according to the RIGHTS column:

Authority of RIGHTS	Format in ADDRESS
IP address designation	IPv4 format Example:xxx.xxx.xxx.xxx xxx: 0-255
Only HTTP Server	
In the identical sub-net	CIDR format Example: xxx.xxx.xxx.xxx/yy xxx: 0-255 yy: 8-32 When the CIDR notation (/yy) is omitted or "/32" is specified, the IP address is assumed to be an unicast address (a single IP address).

NOTE 3: When a terminal is a DHCP client, its IP address varies. In this case, set the RIGHTS column to “In the identical sub-net” and then specify the IP address with a CIDR format within the range of IP addresses assigned by the DHCP server.

STEP6: Edit the directory data information (such as a telephone number or a file path of a head shot) by each station number in the station number sheet.



Station number Sheet

No.	Column Item	Description
(1)	ID	Input the ID number. • ID: 1-1000 NOTE 1: Be sure to set this item. NOTE 2: The overlapping ID number cannot be used.
(2)	NUMBER1	Choose the station number in the list that is displayed by clicking the NUMBER1 column. (The displayed list is the registered station number in the M_TEL sheet.) Or, input the telephone number. • NUMBER1: 0-9, *, # (Maximum 32 digits) NOTE 1: Be sure to set this item. NOTE 2: The overlapping station number cannot be used. NOTE 3: When specifying the station number, the maximum digits is 31.
(3)	NAME	Display name NAME entered in the M_TEL sheet is automatically set. NOTE: Be sure to set this item.
(4)	KANA	Not used.
(5)	OFFICENAME	Company name • OFFICENAME entered in the M_TEL sheet is automatically set. (Option)

No.	Column Item	Description
(6)	NUMBER2	The second telephone number • NUMBER2 entered in the M_TEL sheet is automatically set. (Option)
(7)	NUMBER3	The third telephone number • NUMBER3 entered in the M_TEL sheet is automatically set. (Option)
(8)	NUMBER4	The fourth telephone number • NUMBER4 entered in the M_TEL sheet is automatically set. (Option)
(9)	F_PICTURE	Input whether to include a head shot to a directory data. • F_PICTURE: TRUE (included)/FALSE (not included) NOTE: <i>Be sure to set this item.</i>
(10)	GROUP	Group number (Fixed 0) • GROUP: 0-19 (Default: 0) NOTE: <i>Do not change the default value.</i>
(11)	SOUND	Sound information (Fixed 0) • SOUND: 0-18 (Default: 0) NOTE 1: <i>Do not change the default value.</i> NOTE 2: <i>Sound information cannot be set to a terminal by using Terminal Phonebook. The ringing tone follows the conditions of Distinctive Ringing in the system. For details, refer to "Features and Specifications Manual (Business/Hotel)".</i>
(12)	LAMP	Lamp information (Fixed 0) • LAMP: 0-10 (Default: 0) NOTE 1: <i>Do not change the default value.</i> NOTE 2: <i>Call indicator lamp information cannot be set to a terminal by using Terminal Phonebook. The call indicator lamp follows the conditions of Multiline Terminal in the system. For details, refer to "Programming Manual".</i>
(13)	P1	For remarks column. (Option)
(14)	P2	
(15)	P3	

You have now created the directory data (Excel).

■ HTTP Server Setting

The initial settings of the HTTP server (such as a storage location of Terminal Phonebook zip in the HTTP server) can be configured.

NOTE 1: *Set the URL/IP address to an IP address, a domain name or URL of PCPro. Do not set others (such as an existing HTTP server or an external HTTP server).*

NOTE 2: *The HTTP protocol is not supported. Use TLS for the encryption protocol.*

NOTE 3: *When using a domain name to the URL/IP address, an environment of converting a domain name to an IP address is required. Prepare any method for domain name resolution such as a DNS server.*

NOTE 4: *Do not set the Control connection port to a port number overlapped within other services such as a port number of an FTP server.*

NOTE 5: *Set the Root folder to a server or a folder which is readable/writable by PCPro.*

NOTE 6: *Set the Root folder to a storage location of head shot data, Terminal Phonebook zip and the terminal list. This field is mandatory even if the Terminal Phonebook zip is created without the HTTP server of PCPro.*

- *httproot\image*

The created head shot data is stored.

- *httproot\terminal\<station number>*

The created Terminal Phonebook zip (ContactList.zip) and the terminal list (PhoneBook-List.csv) are stored.

NOTE 7: *To download the stored Terminal Phonebook zip of each station number in the HTTP server to a terminal, the following steps are required on the Terminal Settings menu:*

- 1) *Display the setting folder name screen of the downloading file with the Terminal Settings menu on the terminal screen.*

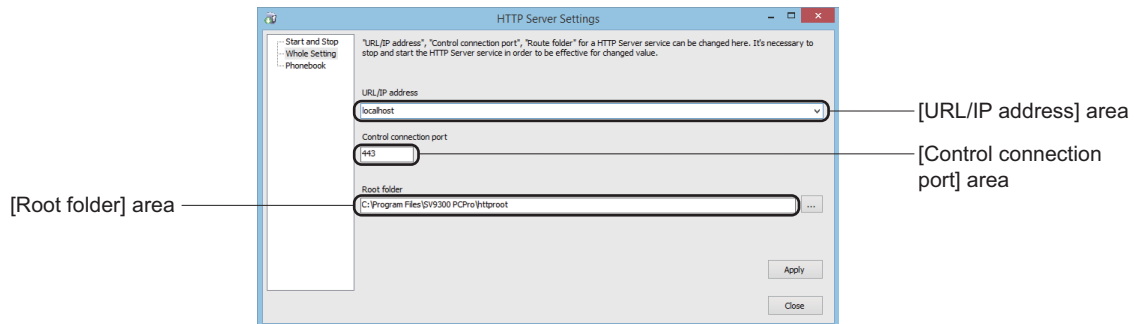
- 2) *Set to “terminal\YYYY” on the screen.*

** YYYY indicates a station number of a terminal. For example, when downloading Terminal Phonebook zip of the station number 2000, set to “terminal\2000” on the setting folder name screen.*

STEP1: Click the [HTTP Server Setting] button on the [Terminal Phonebook] screen.
The [Whole Setting] menu in the [HTTP Server Settings] screen is displayed.

NOTE: For details of the [Whole Settings] menu, refer to “HTTP Server Settings”. [Page 9-50](#)

STEP2: Specify the URI/IP address and the Control connection port.

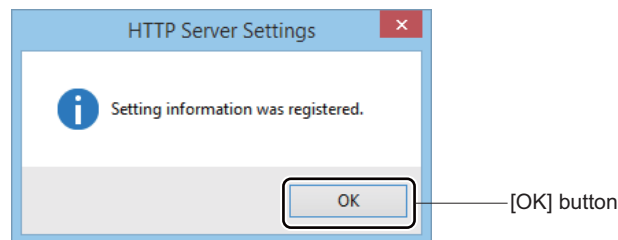


STEP3: Click the [...] button next to the Root folder field.
The [Browse for Folder] screen is displayed.

STEP4: Select the root folder, and then click the [OK] button.
The [Browse for Folder] screen closes.

STEP5: Click the [Apply] button.
The settings have been saved, the message informed process complete is displayed.

STEP6: Click the [OK] button.



STEP7: Click the [Close] button.

You have now configured the HTTP server settings.

■ Read Data (Excel)

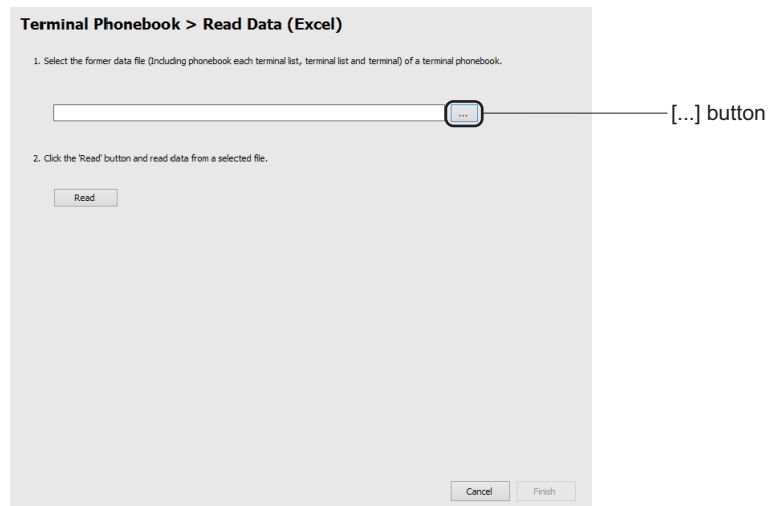
The created directory data (Excel) is read out.

STEP1: Click the [Read Data (Excel)] button on the [Terminal Phonebook] screen.

The [Read Data (Excel)] screen is displayed

STEP2: Click the [...] button.

The [Terminal Phonebook] screen is displayed.



STEP3: Select the created directory data (Excel), and then click the [Open] button.

The [Terminal Phonebook] screen closes.

STEP4: Click the [Read] button.

The data has been read, the message informed process complete is displayed in the current window.

NOTE: *If the readout failed, an error message and the [Log Display] button are displayed in the current window. Check the displayed result (log) by clicking the [Log Display] button, and read out the data again.*

STEP5: Click the [Finish] button.

The [Terminal Phonebook] screen is displayed.

You have now read the directory data (Excel).

■ Create ZIP File

Head shot data in the directory data (Excel) is changed to the suitable data size.

A zip file is created by each a terminal (station number) and the head shot data, the zip file is stored in the HTTP server.

NOTE 1: *Note the following conditions for resizing the head shot data:*

- *The head shot data making a pair with a telephone number is created by using the specified original photo data in the directory data (Excel).*
- *Available file formats of the original photo data are as follows:
JPG, PNG, BMP, GIF, TIF*
- *When creating 10,000 head shot data, the free space of about 150MB is required.
To create many head shot data may take up a large space on the hard disk of the HTTP server. Check the free hard disk space before specifying the data stored folder (the root folder in the HTTP server).*
- *For reference, to create 10,000 head shot data takes about 60 minutes (when creating all head shot data).*

NOTE 2: *Note the following conditions for creating a zip file:*

- *A zip file is created on the “terminal\YYYY” under the root folder in the HTTP server.
For example, when the root folder is “\\localhost\httproot”, a zip file will be created on the “\\localhost\httproot\terminal\YYYY” folder.*
 - * *YYYY indicates a station number of a terminal. When “*” or “#” is used as the number, the system changes into “A” or “B”.
For example, when the station number is “20*#”, the folder will be named as “20AB”.*
- *The created zip file name is “ContactList.zip” (fixed).*
- *When creating 1,000 telephone number and 1,000 head shot data, the file size of about 10MB is required.
DT900 Series requires the free space of about 1GB to register Terminal Phonebook zip of 100 terminals.*
- *For reference, to create Terminal Phonebook zip of 100 terminals (including 1,000 telephone number and 1,000 head shot data) takes about 15 minutes (when the all head shot data are previously created).*

NOTE 3: *Note the following conditions of a terminal list:*

- *Terminal Phonebook provides a terminal list together with Terminal Phonebook zip.*
- *A terminal list is created on the “\\localhost\httproot\terminal\YYYY” folder same as Terminal Phonebook zip.*
 - * *YYYY indicates a station number of a terminal.*
- *The created file name is “PhoneBookList.csv” (fixed).*

STEP1: Click the [Create ZIP File] button on the [Terminal Phonebook] screen.
The [Terminal Phonebook > Create ZIP of Phonebook > Create Head shot] screen is displayed

STEP2: Check the displayed data in the [Confirm the telephone number list of create a head shot] area.

If errors are found in the list, correct them in the external Excel file and read out the Excel file again.

Terminal Phonebook > Create ZIP of Phonebook > Create Head shot

1. Create a head shot. Please confirm the list of telephone number.
When there is a mistake, please correct the outside file (Excel) and read data once again.

Confirm the telephone number list of create a head shot. 6/6

Telephone No.	Name	Result
01#12345678	NEC co.	
10*#0000000	USA office	
2**#	Ken Michiden	
20##	Taro Nichiden	
21##	Hanako Nihonmaru	
2999	Rika Tokyo	

2. Click 'Create' button to create a head shot for terminal phonebook.
(If a head shot file has been created, can be omitted by the 'next >>' button.)

Create all a head shot. When a check mark is removed, only unregistration or a new file is create.

[Confirm the telephone number list of create a head shot.] area

STEP3: Click the [Create] button to create a head shot data.

When the head shot data has been already created, go to STEP4.

To check the “Create all a head shot. When a check mark is removed, only unregistration or a new file is create.” check box, new head shot data is created by using all of the head shot data in the Excel file even if the head shot data already created.

If you want to refresh and to create only the unregistered or new data, uncheck the check mark.

Create all a head shot. When a check mark is removed, only unregistration or a new file is create.

[Create all a head shot. When a check mark is removed, only unregistration or a new file is create.] checkbox

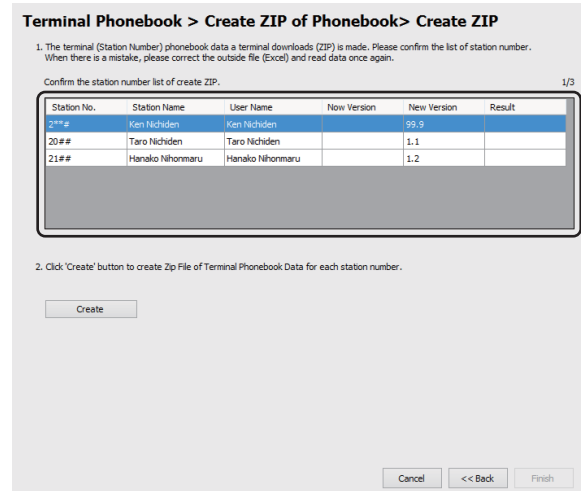
NOTE: *If the head shot data creation failed, an error message and the [Log Display] button are displayed in the current window. Check the displayed result (log) by clicking the [Log Display] button, and create the head shot data again.*

The head shot data has been created, the message informed process complete is displayed in the current window.

STEP4: Click the [Next >>] button.

The [Terminal Phonebook > Create ZIP of Phonebook > Create ZIP] screen is displayed.

STEP5: Check the displayed data in the [Confirm the station number list of create a ZIP.] area.



[Confirm the station number list of create ZIP.] area

STEP6: Click the [Create] button to create a Terminal Phonebook zip.

NOTE: *If the zip file creation failed, an error message and the [Log Display] button are displayed in the current window. Check the displayed result (log) by clicking the [Log Display] button, and create the zip file again.*

Terminal Phonebook zip or a terminal list have been created, the message informed process complete is displayed in the current window.

STEP7: Click the [Finish] button.

The [Terminal Phonebook] screen is displayed.

The data has been read, the message informed process complete is displayed in the current window.

You have now created the Terminal Phonebook zip.

■ Check Security

Check an authorization for downloading the created Terminal Phonebook zip.

NOTE 1: A terminal follows the access authority assigned on each terminal or each zip file for downloading. The zip file which is not displayed in the zip files list on the [Phonebook] menu in the [HTTP Server Settings] screen cannot be downloaded even if the zip file exists.

NOTE 2: The Terminal Phonebook information on the [Phonebook] menu in the [HTTP Server Settings] screen is created by reading the directory data (Excel) on the [Terminal Phonebook > Read Data (Excel)] screen. In default setting, an empty list is displayed. The [Redisplay] button is used to reload the newest Terminal Phonebook information. Selecting the Terminal Phonebook information in the list and clicking the [Delete] button, the Terminal Phonebook zip of the selected information is deleted.

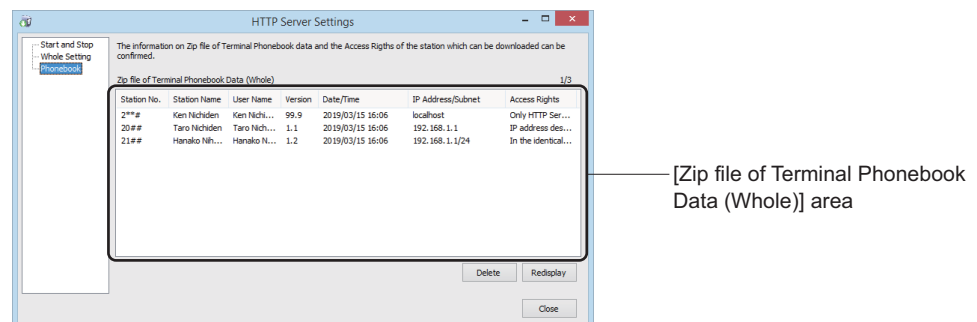
NOTE 3: The zip files list on the [Phonebook] menu in the [HTTP Server Settings] screen cannot be edited. If you want to change the data in the list, edit the directory data (Excel) and then read out the excel file again.

STEP1: Click the [Check Security] button on the [Terminal Phonebook] screen.

The [Phonebook] menu in the [HTTP Server Settings] screen is displayed

NOTE: For details of the [Phonebook] menu, refer to “HTTP Server Settings”. [🔗 Page 9-47](#)

STEP2: Check the [Access Rights] column in the [Zip file of Terminal Phonebook Data (Whole)] list. If errors are found in the list, correct them in the external excel file and read out the excel file again.



NOTE: Be sure to set the [Access Rights] data in the directory data (Excel) and read out it in advance.

You have now checked the access authority for downloading Terminal Phonebook zip.

■ Start HTTP Server

Start the HTTP server for downloading the Terminal Phonebook zip to terminals.

NOTE 1: *When PCPro is installed, a root certificate of the HTTP server is stored as the following format.*

<PCPro installed folder>\sample\http\ServerCertificate.der

NOTE 2: *When a terminal needs a root certificate of the HTTP server, register it in the terminal in advance. The root certificate can be downloaded to the terminal by using the FTP server.*

NOTE 3: *When downloading Terminal Phonebook zip to terminals with an existing HTTP server or an external HTTP server, the HTTP server of PCPro does not start. (When the URL/IP address data on the [Whole Setting] menu in the [HTTP Server Settings] screen is not assigned, the HTTP Server of PCPro cannot be started.)*

NOTE 4: *When accessing from the multiple clients (terminals) at the same time, the download request may be denied. In this case, wait for a while and try again.*

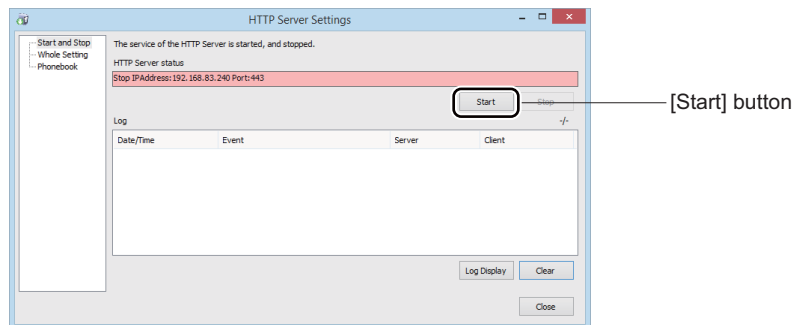
STEP1: Click the [Start HTTP Server] button on the [Terminal Phonebook] screen.

The [Start and Stop] menu in the [HTTP Server Settings] screen is displayed

NOTE: *For details of the [Start and Stop] menu, refer to “HTTP Server Settings”. [📖 Page 9-47](#)*

STEP2: Click the [Start] button.

The HTTP server started.



The HTTP server has now been started.

■ Stop HTTP Server

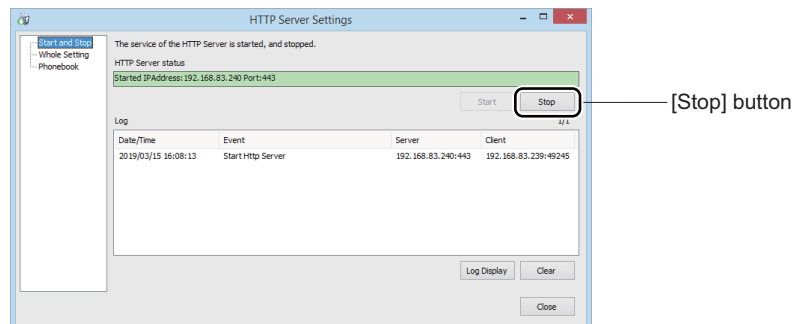
After Terminal Phonebook zip is downloaded to a terminal and the data in the terminal is updated, stop the HTTP server with the following steps:

STEP1: Click the [Stop HTTP Server] button on the [Terminal Phonebook] screen.

The [Start and Stop] menu in the [HTTP Server Settings] screen is displayed

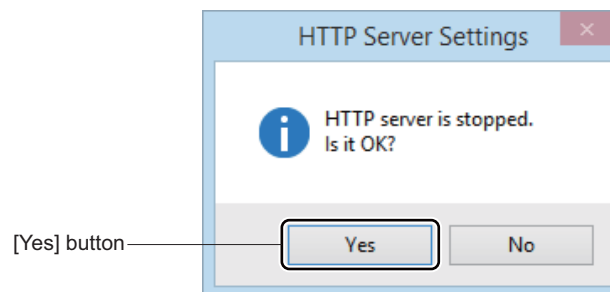
NOTE: For details of the [Start and Stop] menu, refer to “HTTP Server Settings”. [Page 9-47](#)

STEP2: Click the [Stop] button.



A confirmation message is displayed.

STEP3: Click the [Yes] button.



The HTTP server has now been stopped.

[Maintenance] Category

The [Maintenance] Category is organized into the following five submenus:

- System Check and Report
- Port Status/Lamp Status [☞ Page 4-256](#)
- Fault Display [☞ Page 4-268](#)
- System Data Save/Load/Verify [☞ Page 4-270](#)
- Reset [☞ Page 4-282](#)
- Maintenance Report [☞ Page 4-287](#)

System Check and Report

The [System Check and Report] menu reads the check result of system, system configuration, detailed information of blades and ports from the SV9300 and presents the information in HTML format. Furthermore, checks whether the duplicate IP addresses exist or not, and detects line/trunk blades requiring the firmware upgrade. Work in the following steps:

As for the items displayed in the system report and their contents, refer to the “System Report Display Item List Table”. [☞ Page 8-4](#)

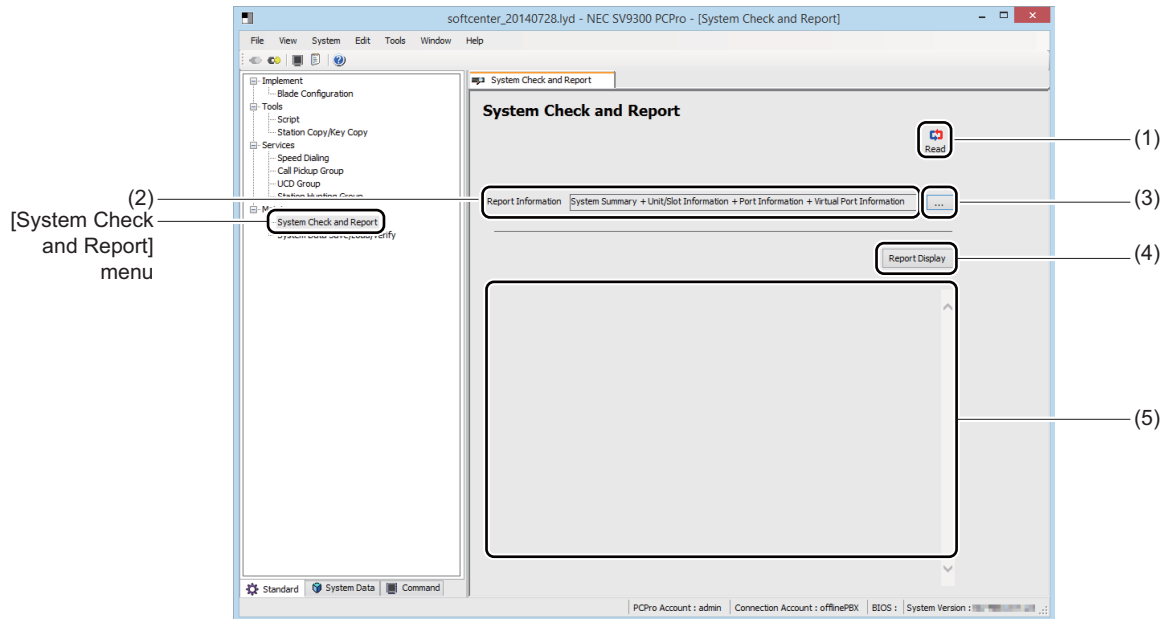
NOTE: *The [System Check and Report] menu saves one system report for one connection account.*

STEP1: Take one of these actions:

- Click submenu [System Check and Report] in Standard Mode.
- On the Main Menu, click [System] > [Maintenance] > [System Check and Report] in this order.

The [System Check and Report] screen is displayed in the work window.

- To edit the read out information from the SV9300: Go to STEP2.
- To leave the read out information from the SV9300 unchanged: Go to STEP5.

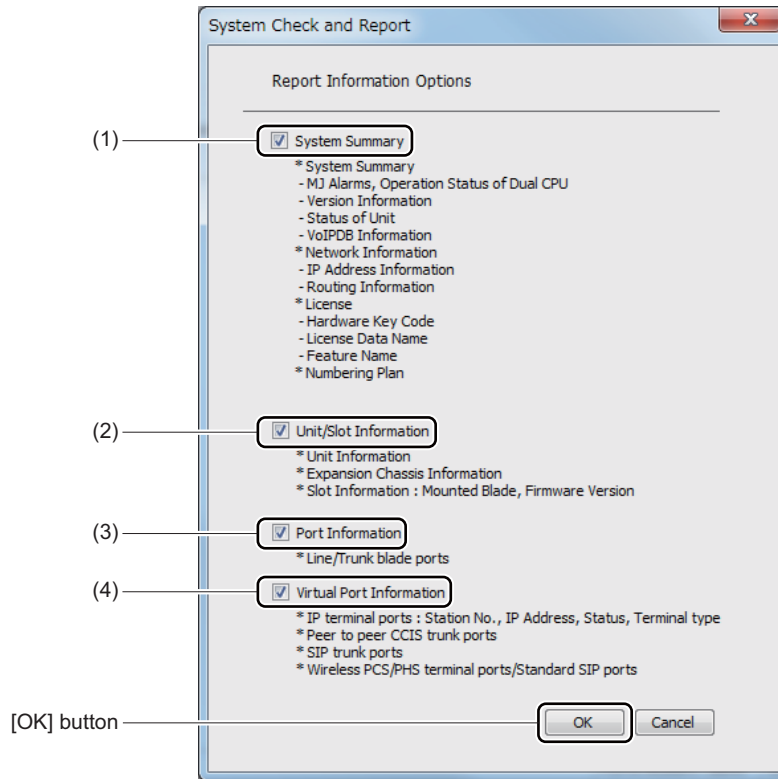


No.	Item	Description
(1)	[Read] button	Click to read a system report from the SV9300.
(2)	Read Items field	Displays the read items set currently.
(3)	[Setting of Read Item] button	Click to change the read items.
(4)	[Report Display] button	Click to display the system report again or confirm the information in off-line (Same as Report. Page 8-1)
(5)	System Check Result Display Area	Displays the check result of the system (default: blank). * The check result is displayed when various alarm such as some duplicate IP addresses, some blades with older firmware version than CPU's version, VoIPDB which needs update of firmware or controlling chassis alarm is detected.

STEP2: Click the [Setting of Read Item] button.

A screen is displayed, allowing you to select items to be read out from the SV9300.

STEP3: Check items (1) to (4) as needed.



No.	Item	Description
(1)	“System Summary” check box	<p>Check to read out the following system summary (default: checked):</p> <ul style="list-style-type: none"> • System Summary <ul style="list-style-type: none"> MJ Alarms, Operation Status of Dual CPU Version information Status of Unit VoIPDB information • Network Information <ul style="list-style-type: none"> IP Address Information Routing Information • License <ul style="list-style-type: none"> Hardware Key Code License Data Name Feature Name • Numbering Plan

Continued on next page

No.	Item	Description
(2)	“Unit/Slot Information” check box	Check to read out the Unit/Slot information for each SV9300 (default: checked). <ul style="list-style-type: none"> • Unit Information • Expansion Chassis Information • Slot Information Mounted Blade, Firmware Version * When this check box is checked, “System Summary” check box is automatically checked.
(3)	“Port Information” check box	Check to read out the port information registered in the physical port (default: checked). * When this check box is checked, “System Summary” check box and “Unit/Slot Information” check box are automatically checked.
(4)	“Virtual Port Information” check box	Check to read out the following virtual port information (default: checked): <ul style="list-style-type: none"> • IP terminal ports Station No., IP Address, Status, Terminal Type • Peer to peer CCIS trunk ports • SIP trunk ports • Wireless PCS terminal ports/Standard SIP ports

STEP4: Click the [OK] button.

You are directed back to the [System Check and Report] screen. The item that has been selected in STEP3 is displayed in the Read Item field.

STEP5: Click the [Read] button.

The browser launches to display the System Report.

Tips: *System Check Result*

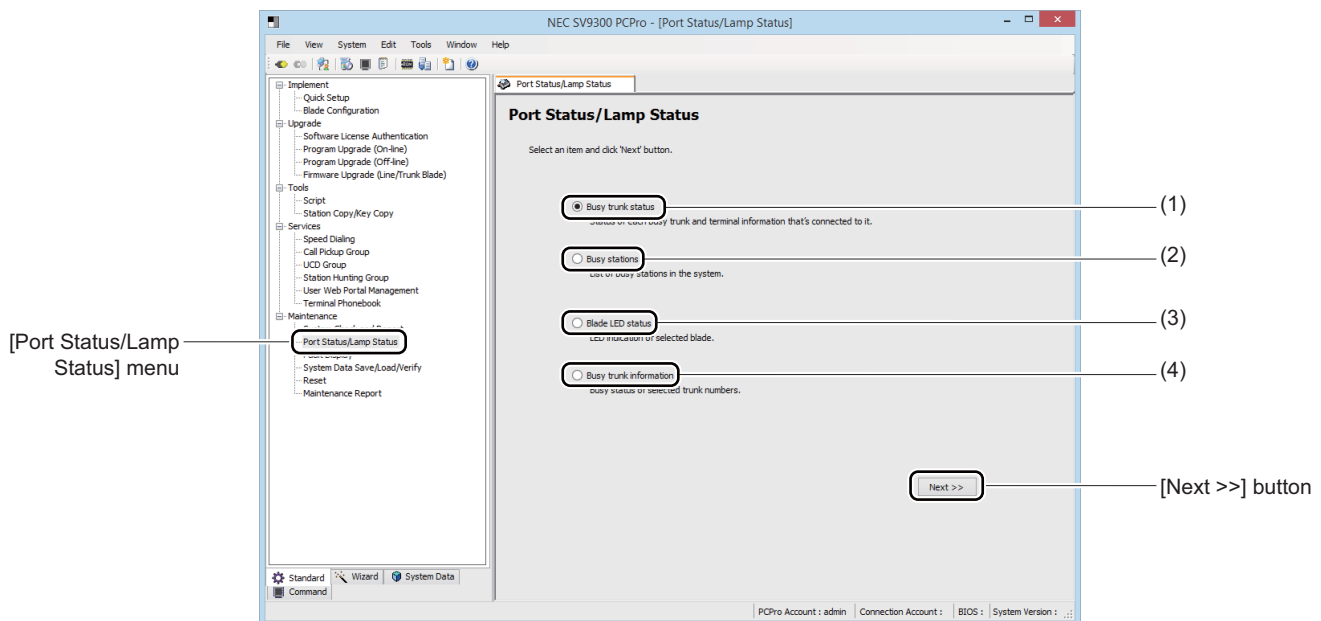
- *When the following check results are detected, please confirm the details by a system report. [☞ Page 8-3](#)*
 - *There are some duplicate IP addresses. Please confirm them.*
 - *The Default Gateway Address are set to both VoIP port and maintenance port. Please confirm the settings.*
 - *Controlling chassis alarm has occurred. [Click here for details.](#)*
 - *Expansion chassis alarm has occurred. [Click here for details.](#)*
 - *Station/Trunk blade alarm has occurred. [Click here for details.](#)*
- *When “Some blades have been detected whose firmware versions are older than CPU’s version.” or “Please update the firmware of the VoIPDB.” is displayed, execute the Firmware Upgrade. Click the link (underline part) of “[Click here for details](#)” to launch the [Firmware Upgrade (Line/Trunk Blade)] menu. [☞ Page 4-77](#)*

System report has now been displayed.

Port Status/Lamp Status

The [Port Status/Lamp Status] menu reads the list of busy trunks and busy stations, blade information and the status of port operation from the SV9300 and displays such on the screen. Because the operating status can be updated automatically for Blade LED status and Busy trunk information features, you can verify their status on the screen in real time. One of the following action will display the [Port Status/Lamp Status] screen in the work window:

- Click submenu [Port Status/Lamp Status] in Standard Mode.
- On the Main Menu, click [System] > [Maintenance] > [Port Status/Lamp Status] in this order.



No.	Item	Description
(1)	[Busy trunk status] radio button	Check to view the status of each busy trunk and terminal information that is connected to SV9300.
(2)	[Busy stations] radio button	Check to view the list of busy stations in the system.
(3)	[Blade LED status] radio button	Check to view the LED indication of selected blade.
(4)	[Busy trunk information] radio button	Check to view the busy status of selected trunk number.

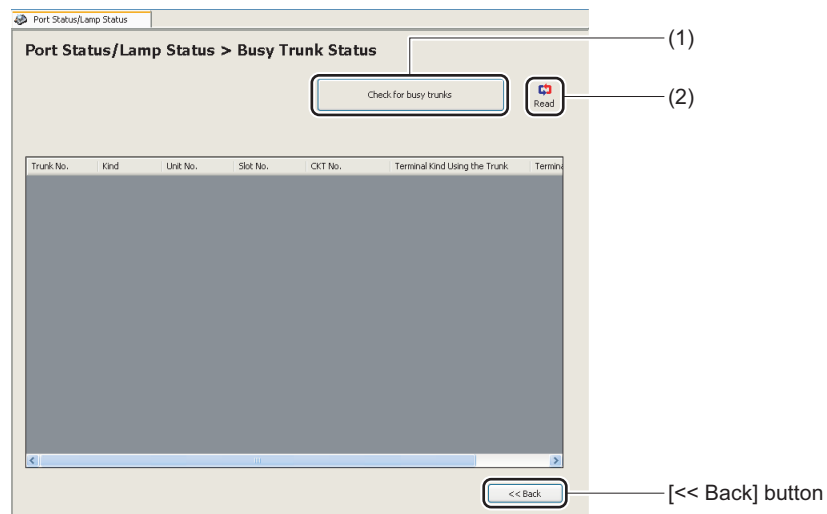
■ Busy Trunk Status

You can confirm the status of each busy trunk and terminal information that is connected to SV9300.

STEP1: Check the [Busy trunk status] radio button on the [Port Status/Lamp Status] screen.

STEP2: Check the [Next] button.

The [Status Trunk Status] screen appears on the work window.



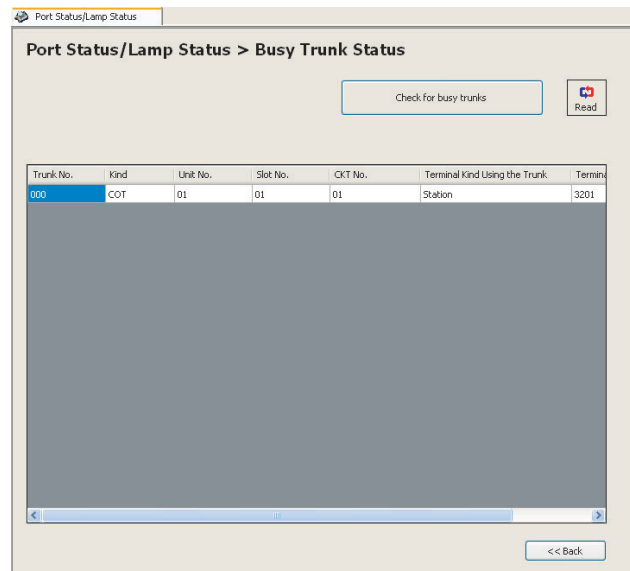
No.	Item	Description
(1)	[Check for busy trunks] button	Click to check whether the busy trunks exist or not from SV9300.
(2)	[Read] button	Click to read the busy trunks from SV9300.

Continued on next page

No.	Item		Description
(3)	Busy Trunks Information Display Area	Trunk No. field	Displays the Trunk No. of the busy trunks.
		Kind field	Displays the trunk kind of the busy trunks. <ul style="list-style-type: none"> • Trunk Kind: COT/OD/LD/DID/BRT (BLI)/PRT/CCT/DTI(T1)/DTI (E1)/QSIG/IP Trunk/SIP Trunk
		Unit No. field	Displays the Unit No. of the busy trunks. <ul style="list-style-type: none"> • 01 to 50, blank field * This field becomes a blank when the trunk kind is “IP/SIP Trunk”.
		Slot No. field	Displays the Slot No. of the busy trunks. <ul style="list-style-type: none"> • 01 to 18, blank field * This field becomes a blank when the trunk kind is “IP/SIP Trunk”.
		CKT No. field	Displays the CKT No. of the busy trunks. <ul style="list-style-type: none"> • 01 to 32, blank field * This field becomes a blank when the trunk kind is “IP/SIP Trunk”.
		Terminal Kind Using the Trunk field	Displays the terminal kind of the terminal using a trunk. <ul style="list-style-type: none"> • Terminal Kind: Station/Virtual Station/ISDN Terminal/Trunk/DESKCON/Other (EN No.)
		Terminal Information field	Displays the terminal information of the terminal using a trunk. <ul style="list-style-type: none"> • Terminal Information: Station No. /Trunk No./DESKCON No./Blank field *1 This field becomes a blank if there is no additional information. *2 For ISDN terminals, B channel No. (example: 2000_1) is added after the station number.

STEP3: Click the [Read] button.

The trunk numbers of the busy trunks and the terminal information using the trunks are displayed on the Busy Trunk Information Display Area.



Tips: *Check for Busy Trunk Status*

Before reading the busy trunk status by the [Read] button, if you want to check whether busy trunks exist or not, click the [Check for busy trunks] button. You can check whether busy trunks exist or not.

STEP4: Confirm the contents displayed on the Busy Trunks Information Display Area.

The Busy Trunks have now been confirmed.

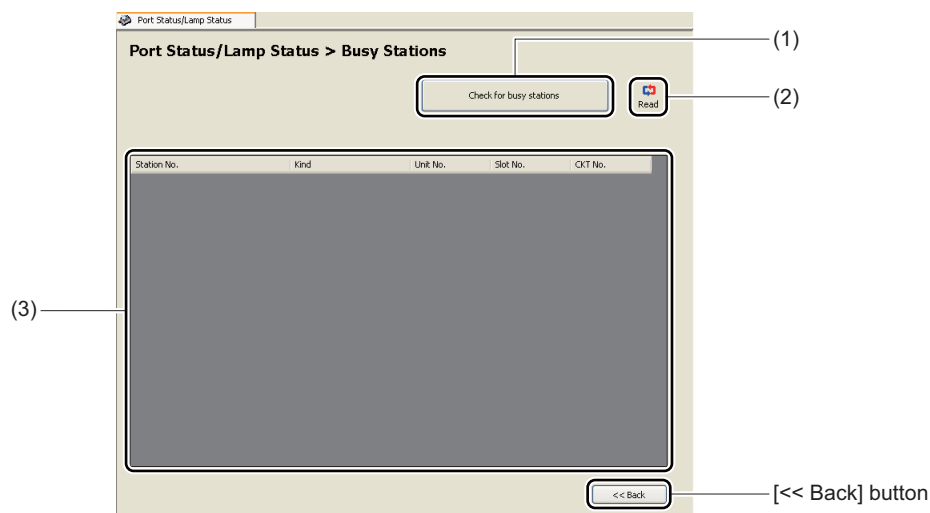
■ Busy Stations

You can confirm the list of busy stations.

STEP1: Check the [Busy stations] radio button on the [Port Status/Lamp Status] screen.

STEP2: Check the [Next] button.

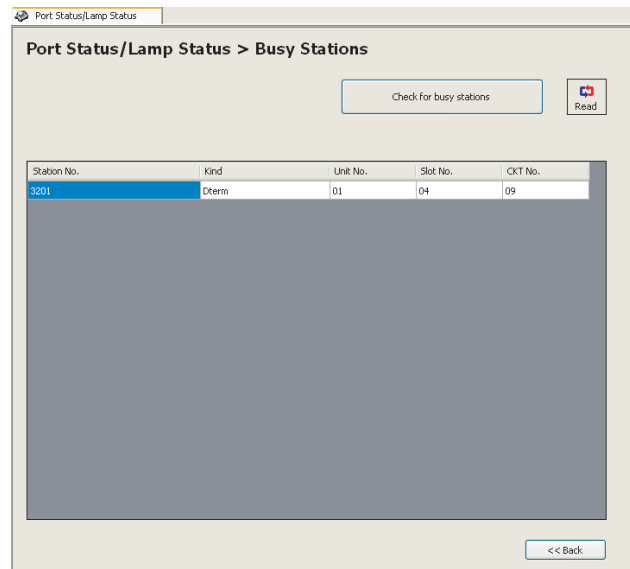
The [Busy Stations] screen appears on the work window.



No.	Item	Description	
(1)	[Check for busy stations] button	Click to check whether the busy stations exist or not from SV9300.	
(2)	[Read] button	Click to read the busy stations from SV9300.	
(3)	Busy Stations Information Display Area	Station No. field	Displays the Station No. of the busy stations.
		Kind field	Displays the station kind of the busy stations. <ul style="list-style-type: none"> Station Kind: Single Line/Digital Multiline Terminal/DT700 Series/Wireless Terminal/Standard SIP Station/Modem/ISDN Terminal/Other
		Unit No. field	Displays the Unit No. of the busy stations. <ul style="list-style-type: none"> 01 to 50, blank field
		Slot No. field	Displays the Slot No. of the busy stations. <ul style="list-style-type: none"> 01 to 18, blank field
		CKT No. field	Displays the CKT No. of the busy stations. <ul style="list-style-type: none"> 01 to 32, blank field

STEP3: Click the [Read] button.

The list of the station numbers of the busy stations are displayed on the Busy Stations Information Display Area.



Tips: *Check for Busy Stations*

Before reading the busy stations by the [Read] button, if you want to check whether busy stations exist or not, click the [Check for busy stations] button. You can check whether busy stations exist or not.

STEP4: Confirm the contents displayed on the Busy Stations Information Display Area.

The Busy Stations have now been confirmed.

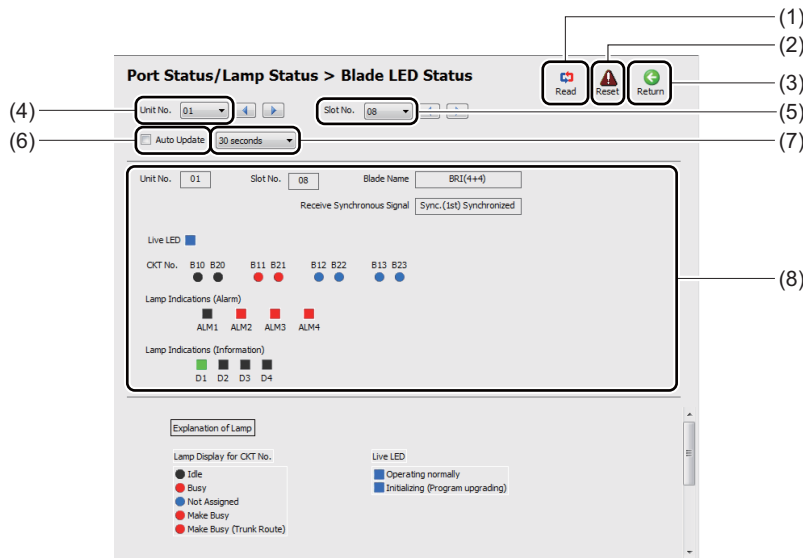
■ Blade LED Status

You can confirm the LED indication of the selected blade.

STEP1: Check the [Blade LED status] radio button on the [Port Status/Lamp Status] screen.

STEP2: Check the [Next] button.

The [Blade LED Status] screen appears on the work window.



No.	Item	Description
(1)	[Read] button	Click to read a blade information from the SV9300 having its unit number and slot number specified in (4) and (5).
(2)	[Reset] button	Click to reset the blade specified by (4) and (5).
(3)	[Return] button	Click to return the [Port Status/Lamp Status] screen.
(4)	Unit No. field	Select the unit number of blade from which you want to display the status. • 01 to 50 (default: 01)
(5)	Slot No. field	Select the slot number of blade from which you want to display the status • 01 to 18 (default: 01)
(6)	“Auto Update” check box	Check to do the Auto Update.

Continued on next page

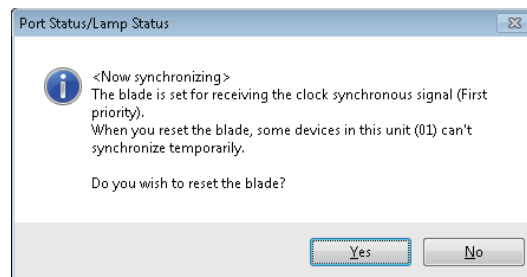
No.	Item	Description	
(7)	Auto Update Time Setting field	Select the Auto Update time. • Every 30 sec., Every 1 min. to Every 10 min. (default: Every 30 sec.)	
(8)	Status Display Area	Unit No. field	Displays the Unit No. during the status display.
		Slot No. field	Displays the Slot No. during the status display.
		Blade Name field	Displays the blade name during the status display. * When a blade for SV8300 is mounted, a blade type + “*NV” are displayed.
		Clock Source Status field	Displays the clock source status of the specified blade. • Sync.(1st): The blade is set to the first priority blade to receive the synchronization signal. • Sync.(1st) Synchronized: The blade is set to the first priority blade to receive the synchronization signal and the blade is synchronized. • Sync.(2nd): The blade is set to the second priority blade to receive the synchronization signal. • Sync.(2nd) Synchronized: The blade is set to the second priority blade to receive the synchronization signal and the blade is synchronized. * The clock source supports only for BRT/PRT/CCT/DTI blade.

Continued on next page

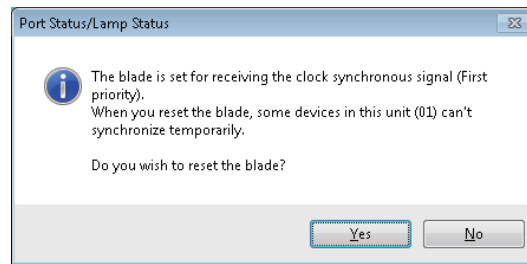
No.	Item	Description	
(8)	Status Display Area	Blade Status field	<p>View this area to confirm the status of specified blade with lamp indication. The following status display is available.</p> <ul style="list-style-type: none"> • Live LED <ul style="list-style-type: none"> Blue (blink) : Normal operation Blue (lit) : In setting up/In upgrading • Port status <ul style="list-style-type: none"> Black : The channel has not been occupied. Red : The channel has been occupied. Blue (blink) : No system data setting/etc. Red (blink) : Make busy Red (blink fast) : Make busy (Trunk Route) • Lamp Indications (Alarm) <ul style="list-style-type: none"> Red (blink) : Alarm On Black : Alarm Off • Lamp Indications (Information) <ul style="list-style-type: none"> Green (blink) : D channel link On Black : D channel link Off/etc.

NOTE: When the blade reset is executed to the blade by the [Reset] button, which is set to receive the synchronization signal, the following dialog box is displayed.

- When the blade is synchronized:



- *When the blade is not synchronized:*



- * *When the blade reset is executed to the blade, which is set to receive the synchronization signal, note that the equipment during synchronization goes into temporarily asynchronous states.*

STEP3: Specify the unit number and slot number of the blade from which you want to do the status display on the [Blade LED Status] screen, then click the [Read] button.

The LED indication of the selected blade is displayed on the Status Display Area.

STEP4: Confirm the contents displayed on the Status Display Area.

The Blade LED Status now has been confirmed.

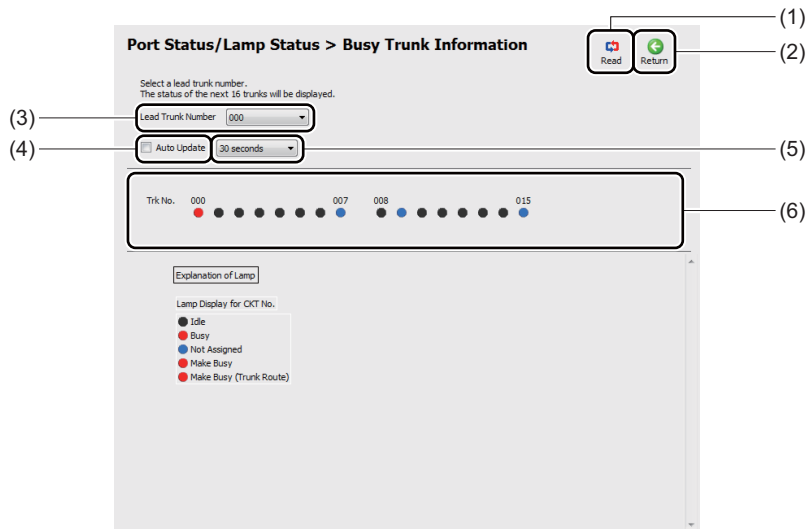
■ Busy Trunk Information

You can confirm the busy status of selected trunk.

STEP1: Check the [Busy trunk information] radio button on the [Port Status/Lamp Status] screen.

STEP2: Check the [Next] button.

The [Busy Trunk Information] screen appears on the work window.



No.	Item	Description
(1)	[Read] button	Click to read a trunk information from the SV9300 having its trunk number specified in (3).
(2)	[Return] button	Click to return the [Port Status/Lamp Status] screen.
(3)	The Lead Trunk Number field	Select the lead trunk number of trunk which you want to display the status. • 000 to 496 (default: 000)
(4)	“Auto Update” check box	Check to do the Auto Update.
(5)	Auto Update Time Setting field	Select the Auto Update time. • Every 30 sec., Every 1 min. to Every 10 min. (default: Every 30 sec.)

Continued on next page

No.	Item	Description
(6)	Status Display Area	View this area to confirm the status of specified port of trunk with lamp indication. The following status display is available. (16 trunks from the lead trunk number can be displayed.) Black : The channel is idle Red : The channel is in use Blue (blink) : No system data setting/etc. Red (blink) : Make busy Red (blink fast): Make busy (Trunk Route)

STEP3: Specify the head trunk number of trunk from which you want to do the status display on the [Busy Trunk Information] screen, then click the [Read] button.

The LED indication of the selected trunk is displayed on the Status Display Area.

STEP4: Confirm the contents displayed on the Status Display Area.

The Busy Trunk Information now have been confirmed.

Fault Display

The [Fault Display] menu lets you read fault information stored on the SV9300, and view and conform it. Fault Display provides the following functions:

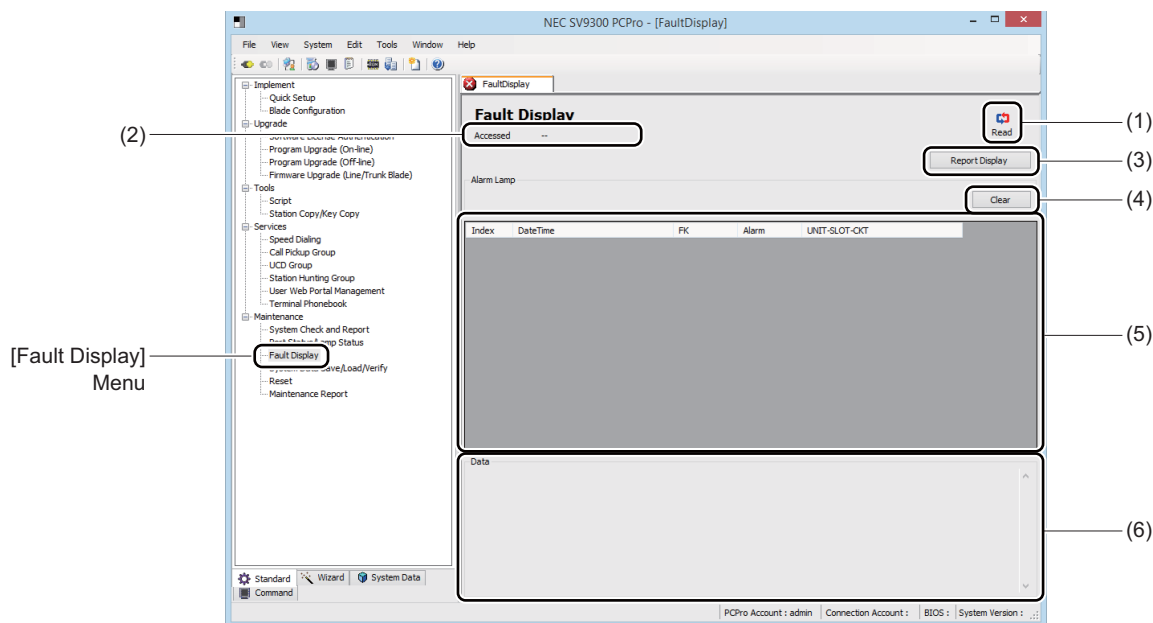
- Display a read the fault information stored on the SV9300
- Clear the alarm lamp
- Create a fault report

NOTE: To do the Fault Display, the setting of system data (CMEA) is required beforehand.

STEP1: Do either of the following:

- Click [Fault Display] on the standard mode submenu.
- On the main menu, click [System] > [Maintenance] > [Fault Display] in this order.

The [Fault Display] screen appears in the work window.



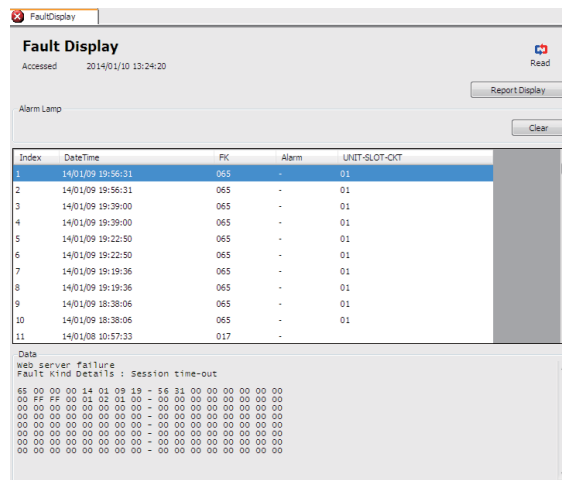
No.	Item	Description
(1)	[Read] button	Reads fault information stored on the SV9300 and displays it in the Fault Display area.
(2)	Access Date field	Displays the date and time at which the fault information was last read.
(3)	[Report Display] button	Displays the report on which the fault information was last read.

Continued on next page

No.	Item	Description	
(4)	[Clear] button	Click to clear the alarm lamp (MJ/MN).	
(5)	Fault Display Area	Number field	Displays the unique number assigned to the fault information.
		Occurrence Date and Time field	Displays the date and time at which the fault occurred.
		Error Type field	Displays the number of the fault type.
		Alarm field	Displays the alarm type of the fault. -- : No alarm MN : MN alarm MJ : MJ alarm
		Unit/Slot/Circuit field	Displays relevant information only if the fault information pertains to a unit, slot or circuit; otherwise, this field becomes a blank.
(6)	Data field	Displays detailed information about the fault selected in the Fault Display area.	

STEP2: Click the [Read] button.

The fault is displayed in the Fault Display Area and Data fields.



NOTE: The fault report (.html) is automatically displayed when a fault information is read by clicking the [Read] button. The report can be confirmed even if the connection with SV9300 is not established.

The Fault Display have now been displayed.

System Data Save/Load/Verify

The [System Data Save/Load/Verify] menu makes it possible to:

When connecting with the SV9300:

- Save : Saves system data registered on the SV9300 to PCPro.
- Load : Loads system data saved on PCPro into the SV9300.
- Verify : Compares system data registered on the SV9300 with system data saved on PCPro.

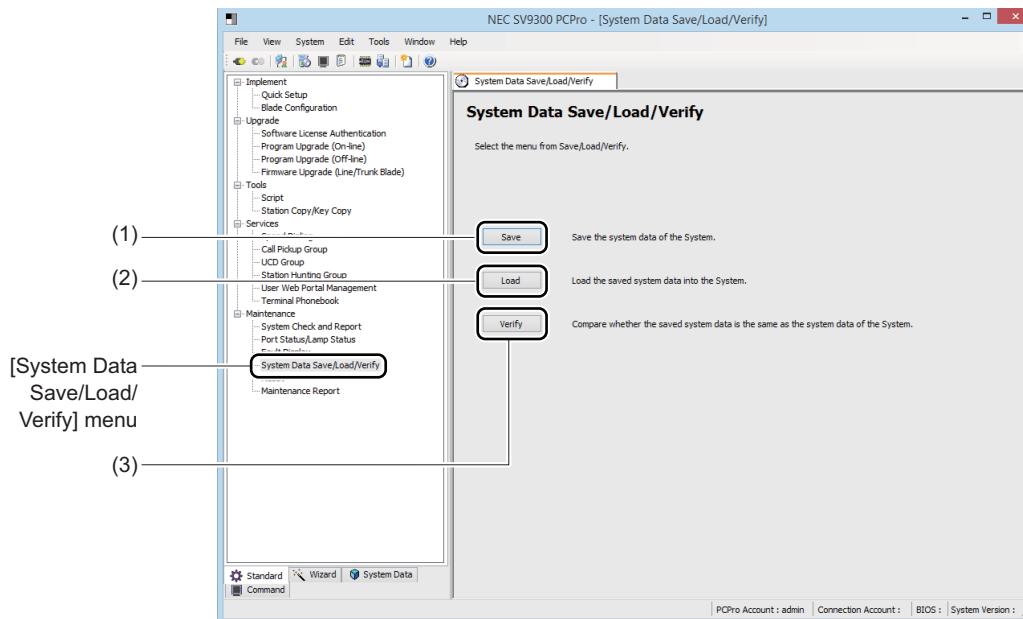
When connecting with Virtual PBX:

- Save : Saves system data on PCPro to the file which is not used on Virtual PBX.
- Load : Not used.
- Verify : Compares system data edited on PCPro with system data in the selected file.

One of the following action will display [System Data Save/Load/Verify] screen in the work window.

- Click submenu [System Data Save/Load/Verify] in Standard Mode.
- On the Main Menu, click [System] > [System Data Save/Load/Verify] in this order.

NOTE: While saving, loading or verifying system data, do not attempt to write and read system data to and from the SV9300 by using CAT or any other application.

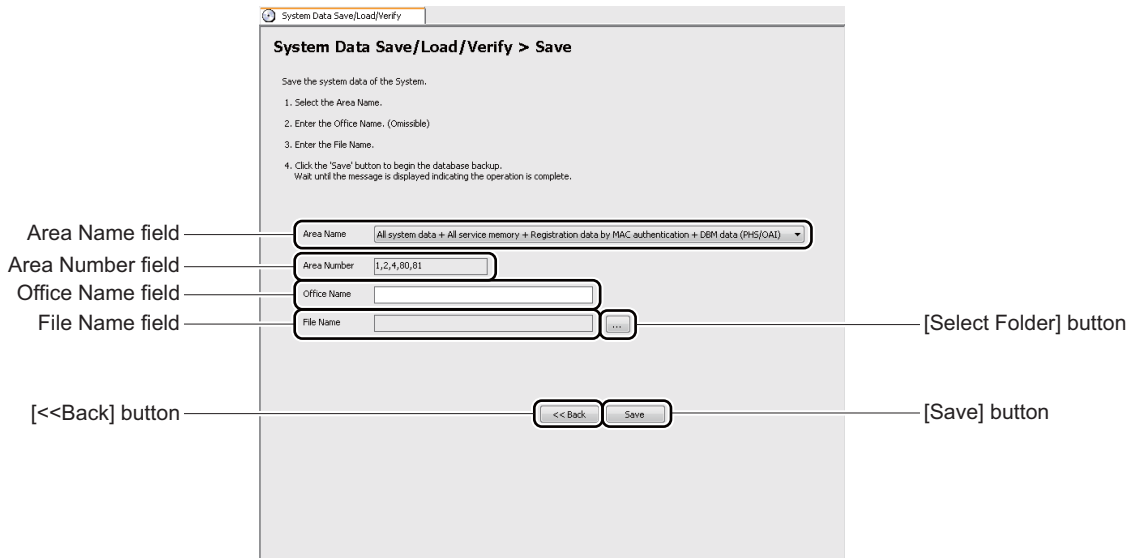


No.	Button Name	Description
(1)	[Save]	Click to save system data. The [Save] screen is displayed.
(2)	[Load]	Click to load system data. The [Load] screen is displayed. NOTE: <i>When connecting with Virtual PBX, this button is not active.</i>
(3)	[Verify]	Click to verify system data. The [Verify] screen is displayed.

■ Saving System Data

You can save the system data registered on the SV9300 to PCPro in these steps:

STEP1: Click [Save] button in the [System Data Save/Load/Verify] screen.
The [Save] screen is displayed in the work window.



STEP2: Select the area of the system data to be saved in the Area Name field.
The number of the selected system data area is displayed in the System Data Area Number field. If you have chosen to specify an Area Number, enter the Area Number of the system data in the Area Number field.

System Data Area Name	Area Number	Remarks	Verification Object ×: Applicable –: Not applicable
All system data + All service memory + Registration data by MAC authentication + DBM data (PHS/OAI)	1,2,4,80,81		×*
All system data (except Speed Dialing)	1	System data only	×
All service memory	2	Service memory only	–

* Only Area No. 1 is verified.

Continued on next page

System Data Area Name	Area Number	Remarks	Verification Object ×: Applicable –: Not applicable
Call History Data	3		–
Speed Dial Data	4	CM73,74	–
Registration data by MAC authentication	80		–
DBM data (PHS/OAI)	81		–
Voice data of VRS (CPU Memory: Flash-ROM)	84		×
Voice data of VRS (CF Memory) for Migration	83		–
–	Enter the Area Number	The area number is saved specifying it.	Depends on the specified area number.

NOTE: When the Connection Type of Connection Accounts is “Virtual PBX (office data file)”, note the following conditions:

- For System Data Area Name, the area name of Virtual PBX is automatically set. This data is not editable.
- Office Name is editable.
- While connecting with Virtual PBX, the editing system data on PCPro cannot be loaded/saved to the Virtual PBX (office data file) because the file cannot be overwritten. In this case, save the editing data as another file name.

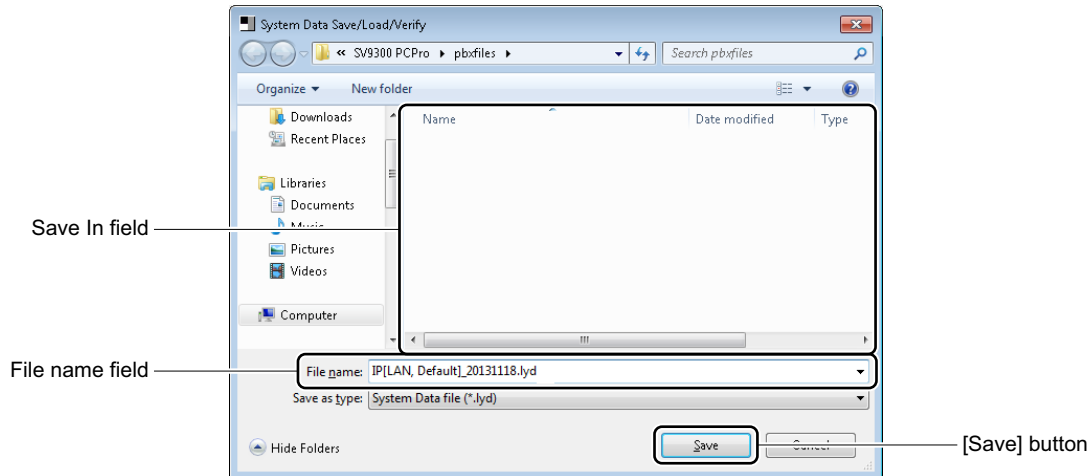
STEP3: Enter an office name.

The office name can be entered up to 32 characters (no limitation in the kind of character).

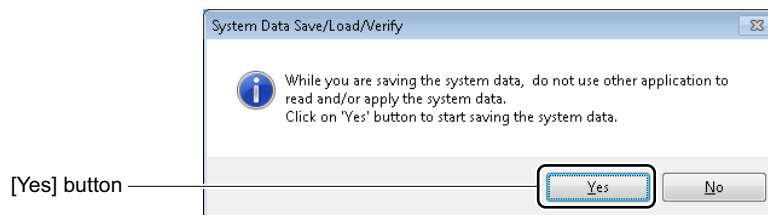
STEP4: Click the [Select Folder] button.

A dialog box is displayed for specifying a folder and file name.

- STEP5:** Specify the file name and the folder of the file to be saved in which the system data is to be saved, and click the [Save] button.
You are directed back to the [Save] screen. The specified folder and the file name are displayed in the File name field.

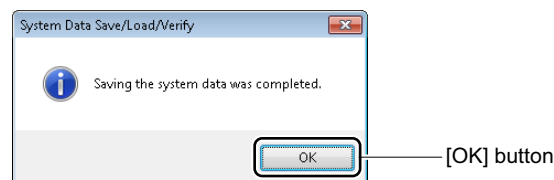


- STEP6:** Click the [Save] button.
A dialog box is displayed, confirming to save the system data.
- STEP7:** Click the [Yes] button.



A dialog box is displayed, offering a visual indication of the progress of the system data save process. To cancel the process, click the [Cancel] button.
A dialog box appears to let you know when the system data save is complete.

- STEP8:** Click the [OK] button.



You are directed back to the [Save] dialog box.

- STEP9:** Click the [<< Back] button.
You are directed back to the [System Data Save/Load/Verify] screen.

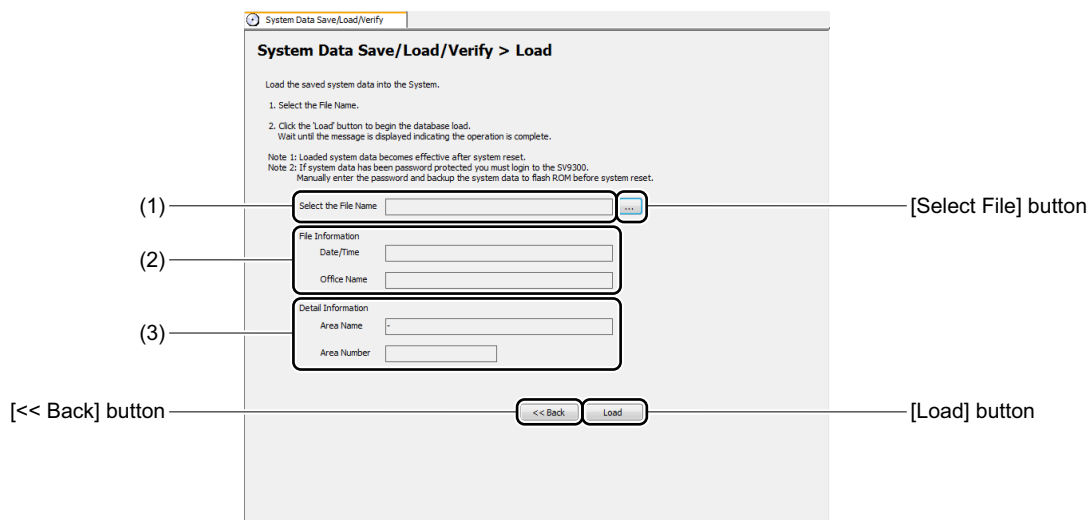
The system data has now been saved.

■ Loading System Data

You can load the system data saved onto PCPro into the SV9300 in these steps:

NOTE: Before applying system data that has been loaded into the SV9300, be sure to make a back up of the data and reset the system in STEP5 and STEP6. If the SV9300 is powered off or a system data back up is executed without first executing a system reset, the loaded system data would be lost.

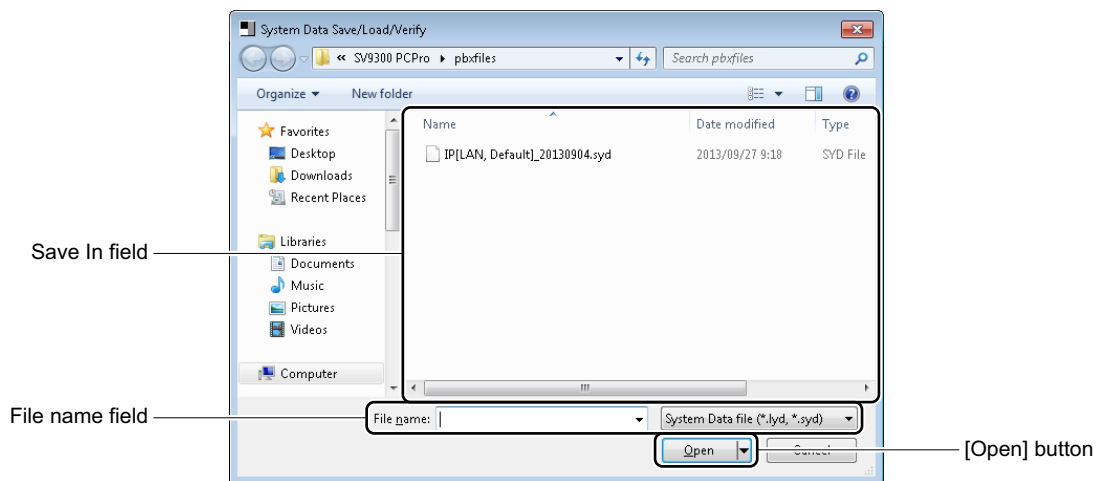
STEP1: Click [Load] button in the [System Data Save/Load/Verify] screen.
The [Load] screen is displayed in the work window.



No.	Item	Description	
(1)	Select the File Name field	Displays the specified folder and file name.	
(2)	File Information field	Date/Time field	Displays the Date & Time at which the specified system data file was saved.
		Office Name field	Displays the registered office name when the system data was saved.
(3)	Detail Information field	Area Name field	Displays the name of the area containing the system data file to be loaded.
		Area Number field	Displays the number of the area containing the system data file to be loaded.

STEP2: Click the [Select File] button.
A dialog box is displayed for specifying a folder and file name.

STEP3: Specify the file name and the folder where the system data is saved, and click the [Open] button.

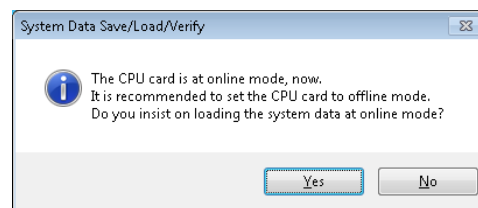


STEP4: Click the [Load] button.

A dialog box is displayed to confirm the load of the system data.

NOTE: *About Confirmation Dialog Box When Loading System Data*

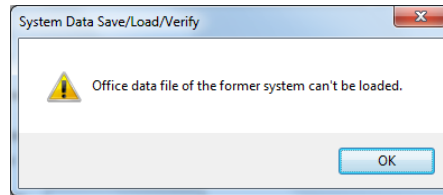
- *Clicking the [Load] button when the CPU blade is in On-line mode, the following dialog box is displayed.*



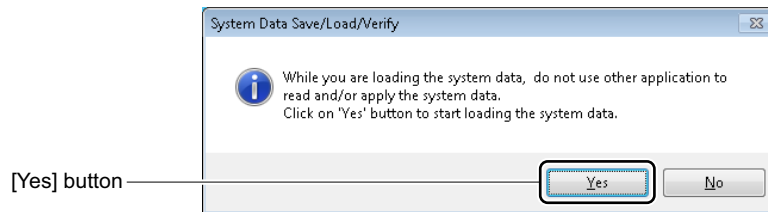
*1 *It is recommended to load the system data in Off-line mode (the SENSE switch of the CPU blade is set to E/F). Click the [No] button to return to the [Load] screen.*

*2 *System data for Area number 82, 83 and 84 can be loaded only in Off-line mode (the SENSE switch of the CPU blade is set to E/F).*

- A system data file for SV8300 cannot be loaded. If you try to load the system data file for SV8300, the following dialog box is displayed.

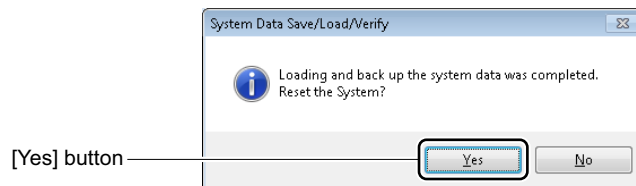


STEP5: Click the [Yes] button.



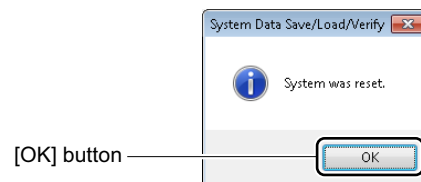
A dialog box is displayed, offering a visual indication of the progress of the system data load process. To cancel the process, click the [Cancel] button. When the system data load process completes, a dialog box is displayed, allowing you to reset the system.

STEP6: Click the [Yes] button.



The system data loaded into the SV9300 is written to flash ROM, and a system reset is executed. A dialog box is displayed to notify the completion of the system reset.

STEP7: Click the [OK] button.



You are directed back to the [Load] screen.

STEP8: Click the [<< Back] button.

You are directed back to the [System Data Save/ Load/ Verify] screen.

The system data has now been loaded.

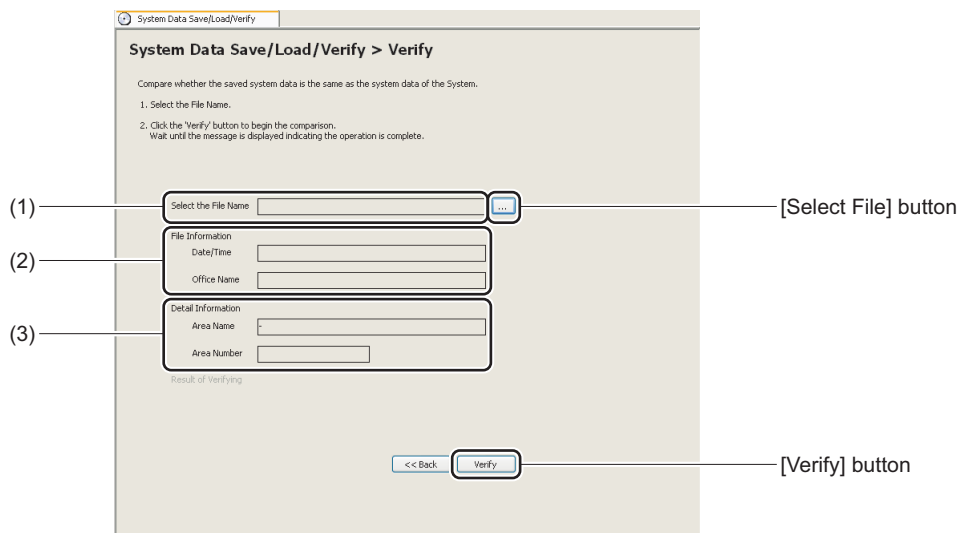
■ Verifying System Data

You can compare the following system data in these steps:

- The system data registered on the SV9300 and the system data saved on PCPro
- The editing system data of Virtual PBX on PCPro and the selected system data

* As for the Area No. to be targeted for the verification, refer to the table (STEP2) in “■ Saving System Data”. [Page 4-272](#)

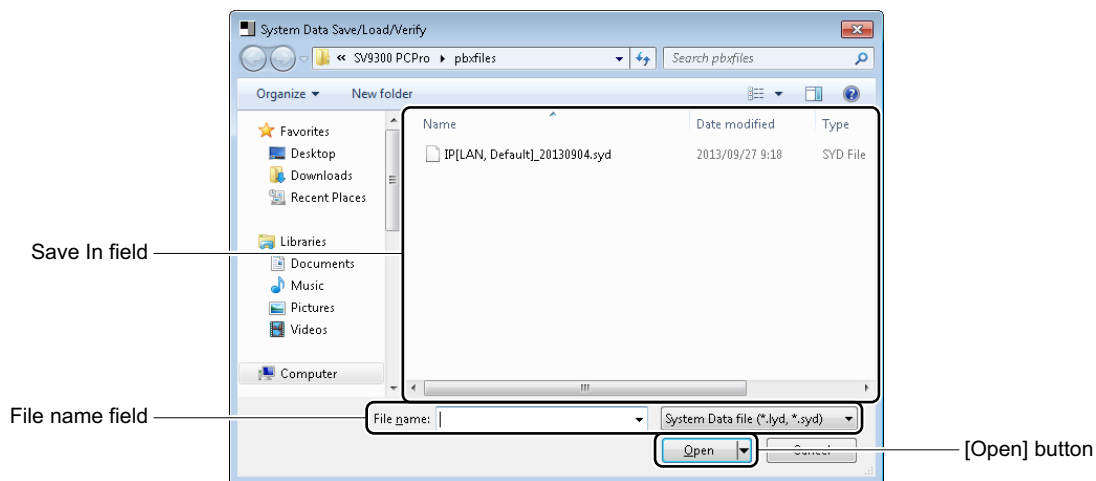
STEP1: Click [Verify] button in the [System Data Save/Load/Verify] screen.
The [Verify] screen is displayed in the work window.



No.	Item	Description	
(1)	Select the File Name field	Displays the specified folder and file name.	
(2)	File Information field	Date/Time field	Displays the Date & Time at which the specified system data file was saved.
		Office Name field	Displays the office name registered when the system data was saved.
(3)	Detail Information field	Area Name field	Displays the name of the area containing the system data file to be verified.
		Area Number field	Displays the number of the area containing the system data file to be verified.

STEP2: Click the [Select File] button.
A dialog box is displayed for specifying a folder and file name.

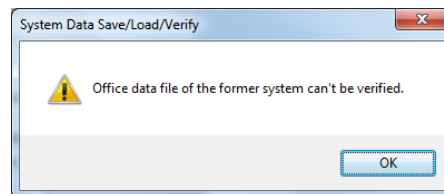
STEP3: Specify the folder in which the file to be verified is saved and the file name, and click the [Open] button.



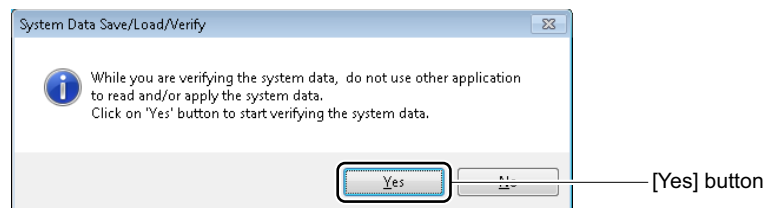
STEP4: Click the [Verify] button.

A dialog box is displayed, confirming the system data verification.

NOTE: A system data file for SV8300 cannot be verified. If you try to verify the system data file for SV8300, the following dialog box is displayed.



STEP5: Click the [Yes] button.

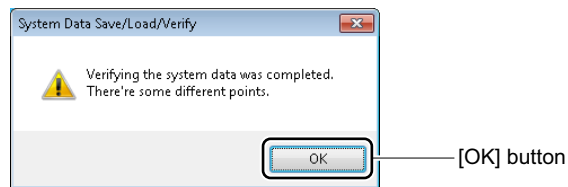


A dialog box indicating the progress of system data verification is displayed. To cancel the verification process, click the [Cancel] button.

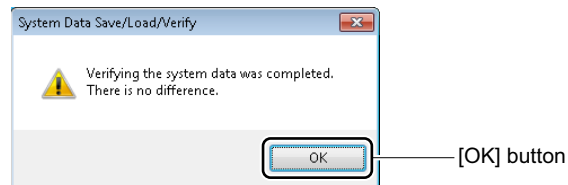
A dialog box appears to let you know when the system data verify is completed.

STEP6: Click the [OK] button.

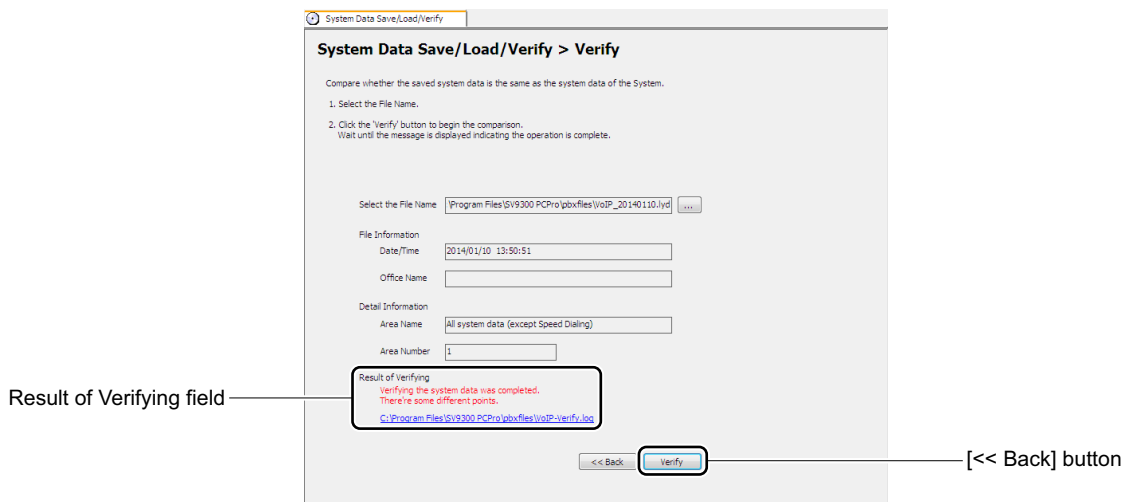
- In case that there are some different points.



- In case that there are no different points.



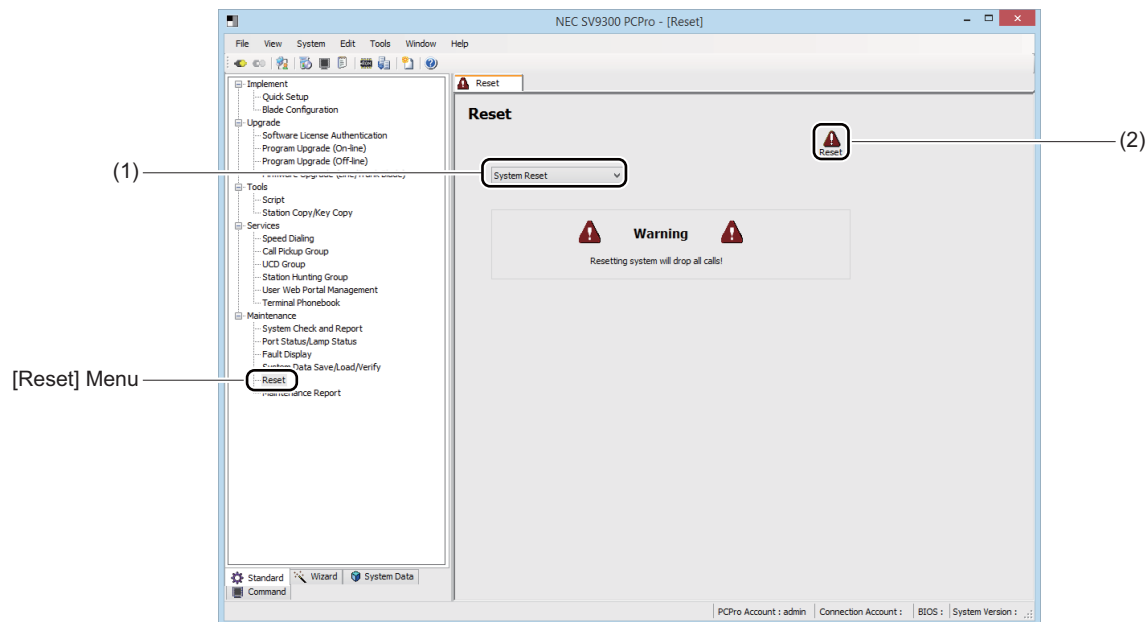
The result of verifying is displayed in the [Verify] screen.



Reset

The [Reset] lets you reset the CPU blade (System Reset), the blade reset and IP Trunk (P2P CCIS) reset. Do either of the following to see the [Reset] screen in the work window:

- Click the [Reset] on the standard mode submenu.
- On the Main Menu, click the [System] > [Reset] in this order.



No.	Item	Description
(1)	Kind of Reset field	Select the kind of reset. • System Reset/Blade Reset/IP Trunk (P2P CCIS) Reset (default: System Reset)
(2)	[Reset] button	Click to execute a reset.

■ System Reset

STEP1: Select System Reset in the Kind of Reset field.

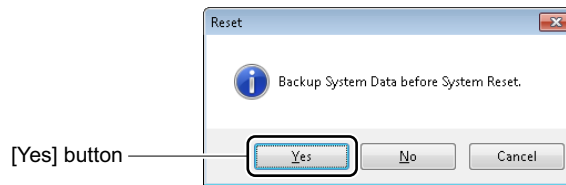
The display contents in the work window change for System Reset.

STEP2: Click the [Reset] button.

A dialog box appears to let you know whether the system data is backed up.

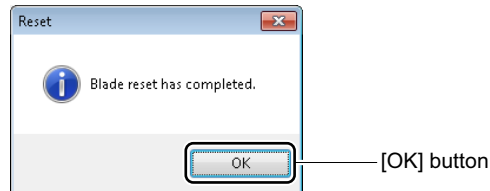
STEP3: Specify whether to back up system data or not.

- To execute a system reset after backing up system data : Click the [Yes] button.
- To execute a system reset without backing up system data: Click the [No] button.



When the system reset process completes, a dialog box appears to alert you to the completion.

STEP4: Click the [OK] button.

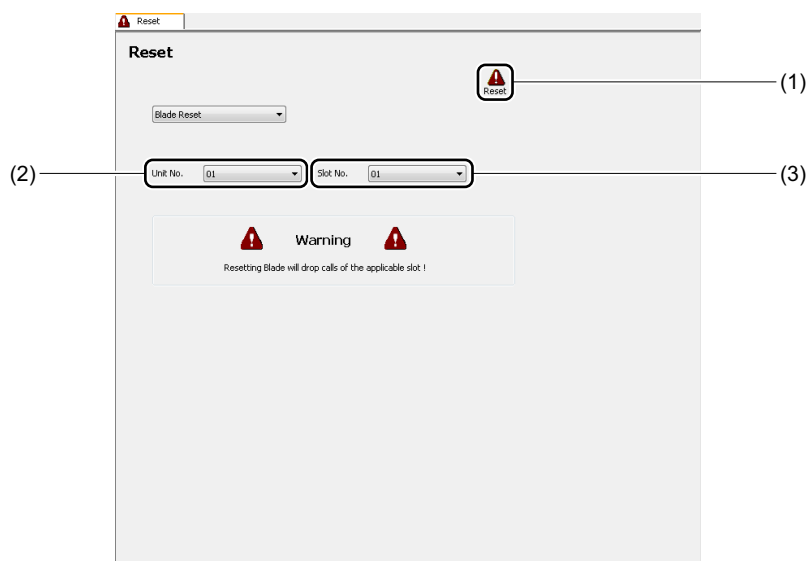


The system reset is now completed.

■ Blade Reset

STEP1: Select [Blade Reset] in the kind of Reset field.

The display contents in the work window change for Blade Reset.



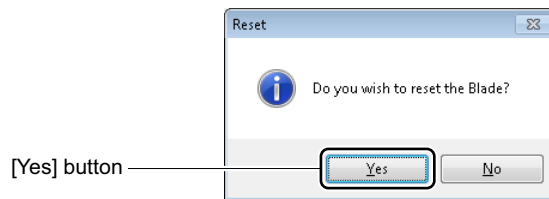
No.	Item	Description
(1)	[Reset] button	Click to execute the blade reset.
(2)	Unit No.	Select the Unit No. of blade to be reset. • 01 to 50 (default: 01)
(3)	Slot No.	Select the Slot No. of blade to be reset. • 01 to 18 (default: 01)

STEP2: Select the Unit No. and Slot No. to be reset, then click the [Reset] button.

A dialog box appears to let you know whether the blade is reset or not.

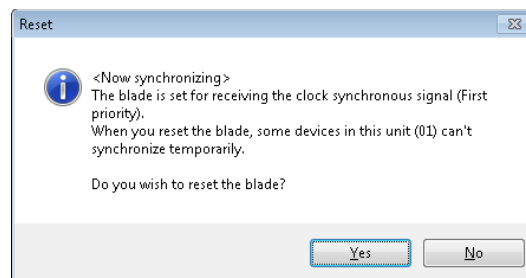
STEP3: Click the [Yes] button.

When the blade reset process completes, a dialog box appears to alert you to the completion.

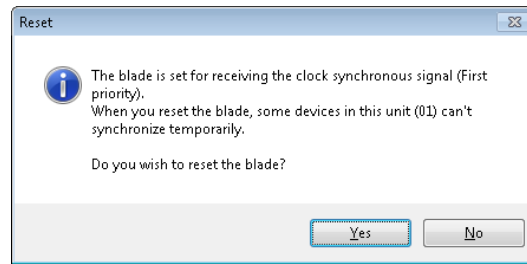


NOTE: *When the blade reset is executed to the blade by the [Reset] button, which is set to receive the synchronization signal, the following dialog box is displayed.*

- *When the blade is synchronized:*



- *When the blade is not synchronized:*



- * *When the blade reset is executed to the blade, which is set to receive the synchronization signal, note that the equipment during synchronization goes into temporarily asynchronous states.*

STEP4: Click [OK] button.

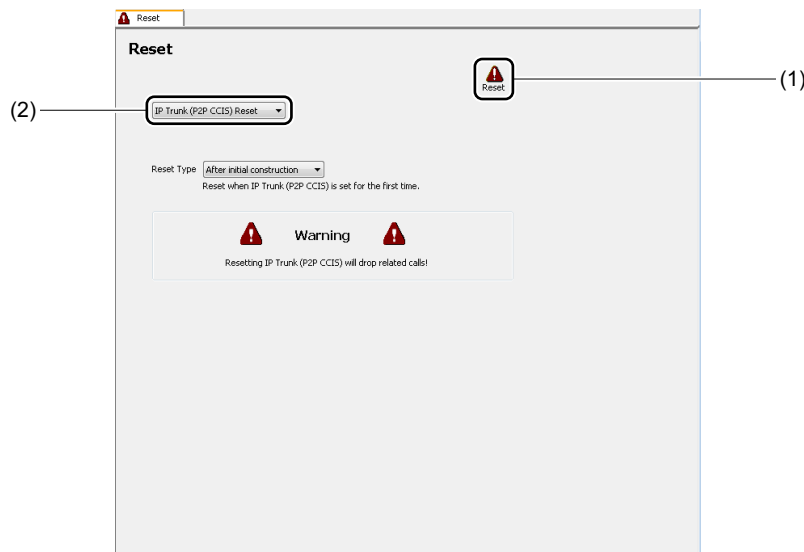


The blade reset is now completed.

■ IP Trunk (P2P CCIS) Reset

STEP1: Select [IP Trunk (P2P CCIS) Reset] in the kind of Reset field.

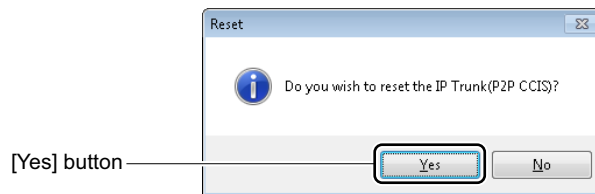
The display contents in the work window change for IP Trunk (P2P CCIS) Reset.



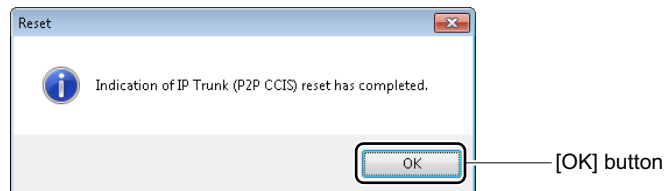
No.	Item	Description
(1)	[Reset] button	Click to execute the reset.
(2)	Reset Type field	Select the reset type. <ul style="list-style-type: none"> • After initial construction/Under operation (default: After initial construction)

STEP2: Select IP Trunk (P2P CCIS) Reset in the Kind of Reset field, then click the [Reset] button. A dialog box appears to let you know whether the IP Trunk (P2P CCIS) is reset or not.

STEP3: Click the [Yes] button. When the IP Trunk (P2P CCIS) Reset process completes, a dialog box appears to alert you to the completion.



STEP4: Click the [OK] button.



IP Trunk (P2P CCIS) Reset is now completed.

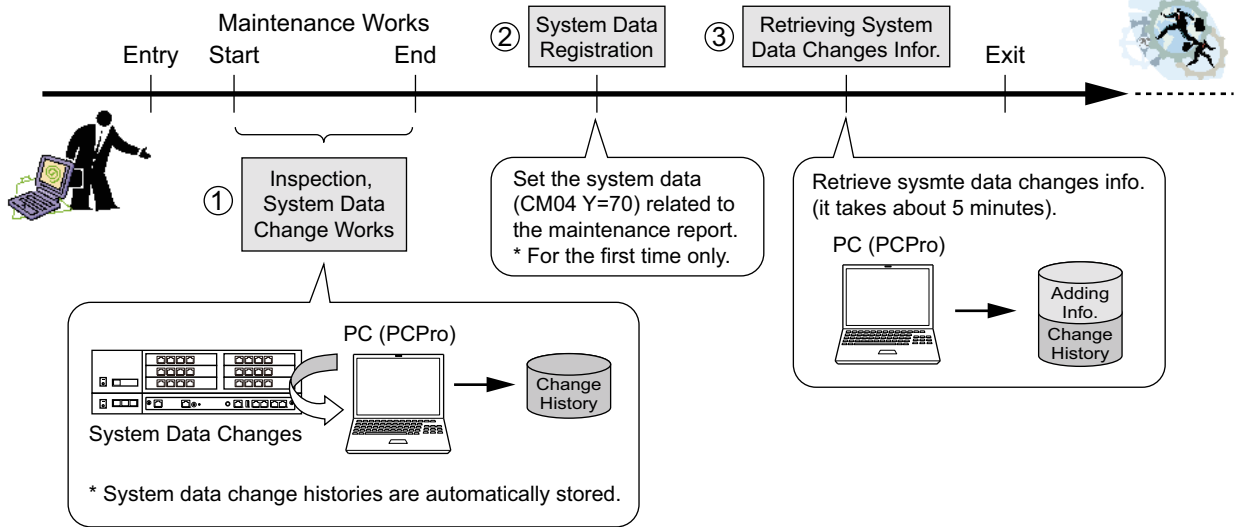
Maintenance Report

The [Maintenance Report] menu can create the maintenance report (Excel file) and output the information of maintenance work (such as inspection check and system data changes using PCPro) performed by maintenance personnels at the customers' environment. By submitting this maintenance report to the customers, you can report the details and results of the actual maintenance work.

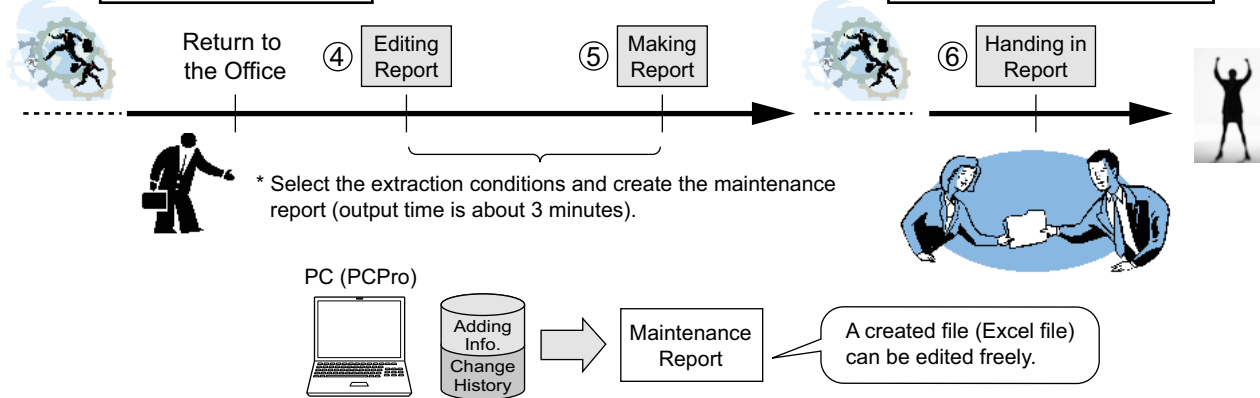
The maintenance report can be created in the following steps:

- | | |
|--|---|
| <Works at the Customers' Environment> | (1) Perform maintenance works (such as inspection check and system data changes using PCPro). |
| : | (2) Register the system data (CM04 Y=70) related to the maintenance report (the setting is required for the first time only). |
| : | (3) Retrieve system data changes information. |
| : | * The reading of station information and settings is required to include a station list in the maintenance report. |
| <Works at the Office> | (4) Edit the report data retrieved at the customer's environment. |
| : | (5) Create the maintenance report. |
| <Report to the Customer> | (6) Submit the maintenance report to the customer. |

Works at the Customer's Environment



Works at the Office



Report to the Customer

The following items can be output on a maintenance report.

- Customer's system overview
- Station information and settings^{*1}
- Result of system data change: Station^{*2 *3}
- Result of system data change: C.O.line/Tie line^{*4 *5}
- Result of system data change: DID number^{*6}
- Result of system data change: Speed dialing^{*7}
- Inspection result
- History of changed system data

*1 Details of "Station information and settings are as follows.

Tenant number, station number, IP address, service restriction class, kind of terminal connection status, the number of Station Speed Dialing, the number of One-Touch Dialing and firmware version

*2 The stations to be targeted for a maintenance report are as follows.

Single Line station, Digital Multiline Terminal station, ISDN Terminal station, IP Multiline Terminal station (including Cradle Phone), Soft Phone and Standard SIP station

*3 When the following setting is changed, they are displayed on the Change Station field of the System data change: Station as a report.

- Using memory area for Station speed dialing of stations
- Using memory area for One-Touch key of stations
- Name Display
- Contents of key numbers of stations

*4 The trunks to be targeted for maintenance reports are as follows.

C.O.line, Analog Tie line (for a local call), Analog Tie line (for a toll call), ISDN-Basic Rate Interface, ISDN-Primary Rate Interface, High-Speed Digital Tie line, No.7 CCIS, SIP trunk, IPT (P2P CCIS)

*5 When the setting of trunk routes or terminating method is changed, they are displayed on the Change Trunk field of the System data change: C.O.line/Tie line as a report.

*6 When the name to be displayed at terminating the DID calls or the setting of terminating method is changed, they are displayed on the Change DID Number field of the System data change: DID number as a report.

*7 When the setting of calling number or calling name for Speed Dialing is changed, they are displayed on the System data change: Speed dialing as a report.

The followings are also available by the [Maintenance Report] menu.

- You can specify the time period for the report to be created.
- You can create or edit the maintenance report without connecting SV9300.
- The [Maintenance Report] menu creates a report from the system data change history for the connected SV9300, regardless of connection patterns (such as LAN, Modem and RS-232C).
Example: even when changing data of A office by a modem connection from the work place beforehand, and changing data at A office by a RS-232C connection at a later date, the both data can be output into one report as data for A office.
- Reports for two or more offices can be managed by one PCPro.
- After creating the report, all the items can be edited in Microsoft Excel.
- The features such as macro or link are not included in the created maintenance report (Excel file).
- The maintenance report (excel file) is created by dividing the following 11 sheets (the number of created sheets depends on the items selected by the [Make Report (2/8)] screen).
 - Cover
 - Index
 - Customer's system overview
 - Station list
 - System data change: Station
 - System data change: C.O.line/Tie line
 - System data change: DID number
 - System data change: Speed dialing
 - Inspection result
 - History of changed system data
- *1 The page numbers of the maintenance report are assigned throughout the report instead of assigning by the sheet.
- *2 The header and footer are displayed on the pages other than Cover.
Header (upper right): page x (example: page 2)
Footer (lower right): filing date (example: Monday, March 10, 2014)

NOTE 1: *When doing maintenance work, create a connection account for each customer to connect with SV9300.*

NOTE 2: *To create the maintenance report, the following conditions must be met on PC.*

- Microsoft Excel 2010 or later is pre-installed on your PC
 - * Install the Excel on the same PC to which the PCPro is installed.
- Macro settings in Excel is effective.
 - * For details, refer to the "[<Enabling Macro in Excel>](#)" in Chapter 1.
- The printer in use is set normally.

NOTE 3: *Only assigned system data using PCPro can be output as the history of changed system data.*

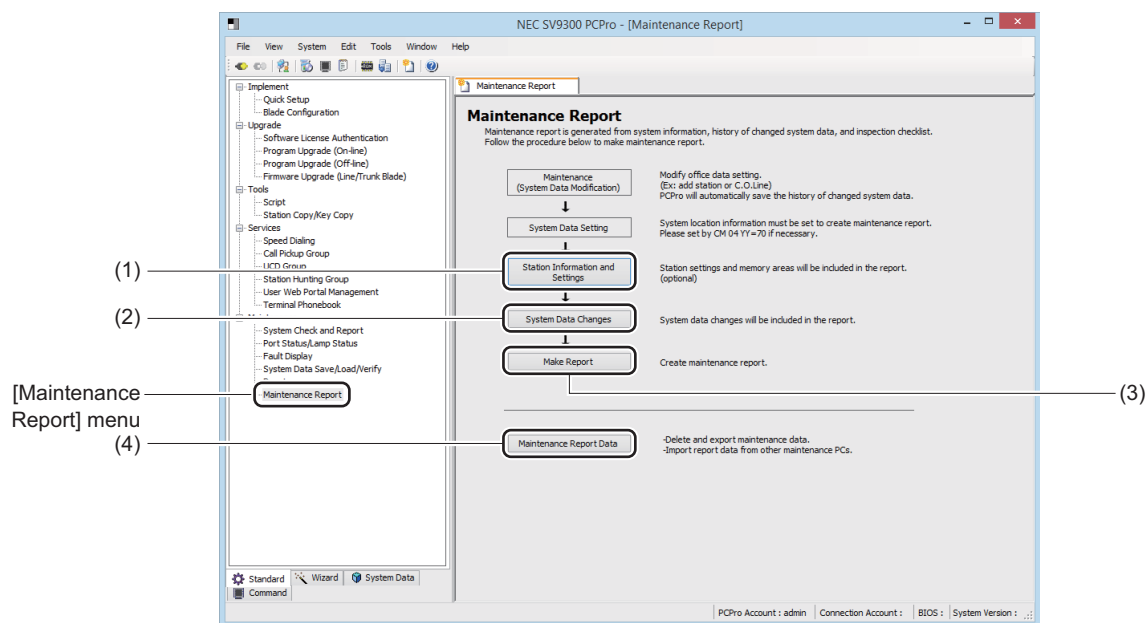
NOTE 4: *When PCPro is connected with SV9300, the part of information (such as Customer's Info. (Company Name) and Service Start Date) can be set to SV9300 side.*

The [Maintenance Report] menu allows you to read the station information and settings, retrieve system data changes information, edit/create report data and perform the maintenance of report data (such as deleting, importing, or exporting report data).

- Reading Station Information and Settings [Page 4-293](#)
- Retrieving System Data Changes [Page 4-294](#)
- Making Report [Page 4-295](#)
- Maintenance Report Data [Page 4-314](#)

One of the following action will display the [Maintenance Report] screen in the work window.

- Click submenu [Maintenance Report] in Standard Mode.
- On the Main Menu, click [System] > [Maintenance] > [Maintenance Report] in this order.



No.	Item	Description
(1)	[Station Information and Settings] button	Click to read the station information and settings. * Be sure to read the station information and settings when creating a maintenance report including them.
(2)	[System Data Changes] button	Click to read the system data changes information from the connected system. * Note that this work is performed at the customer's environment.
(3)	[Make Report] button	Click to edit the report data and create the maintenance report.
(4)	[Maintenance Report Data] button	Click to delete, import, or export report data. * Usually, this feature is not used.

Tips: *Before working with the [Maintenance Report] menu*

When creating the maintenance report for the first time, be sure to set the system data (CM04 Y=70) related to the maintenance report by System Data Mode. [Page 6-1](#)

**1 The information set by CM04 Y=70 become the default values for the following items set by the [Maintenance Report] menu.*

The [Make Report (3/8)] screen (for cover settings)

- *Customer Info. (Company Name) field: set by CM04 Y=70>01*
- *Customer Info. (Dept. Name 1) field: set by CM04 Y=70>02*
- *Customer Info. (Dept. Name 2) field: set by CM04 Y=70>03*
- *Dealer Info. (Company Name) field: set by CM04 Y=70>04*
- *Dealer Info. (Address 1) field: set by CM04 Y=70>05*
- *Dealer Info. (Address 2) field: set by CM04 Y=70>06*
- *Dealer Info. (TEL) field: set by CM04 Y=70>07*
- *Dealer Info. (FAX) field: set by CM04 Y=70>08*

The [Make Report (5/8)] screen (for customer's system overview settings)

- *System name field: set by CM04 Y=70>00*
- *Service Start Date field: set by CM04 Y=70>10*
- *Comment field: set by CM04 Y=70>11, 12*
- *Inspection Date Info. area: set by CM04 Y=70>16-19*

**2 Do this work at the customer's environment.*

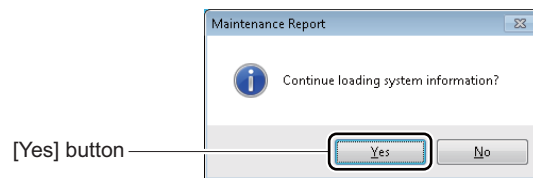
■ Reading Station Information and Settings

This feature reads the station information and settings by connecting to the system. To read the station information and settings, follow these steps:

NOTE: *Be sure to read the station information and settings when creating a maintenance report including them.*

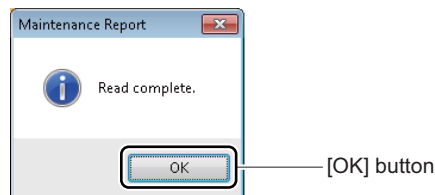
STEP1: Click the [Station Information and Settings] button on the [Maintenance Report] screen.
A dialog box is displayed to confirm the reading of station information and settings.

STEP2: Click the [Yes] button.



* When the reading of the station information and settings is completed, a dialog box is displayed to notify the completion of the process.

STEP3: Click the [OK] button.



The reading station information and settings now have been completed.

■ Retrieving System Data Changes

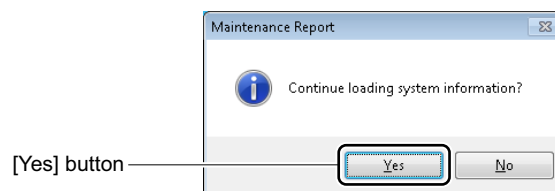
This feature reads the system data changes information by connecting to the system. To retrieve the system data changes information, follow these steps:

NOTE: Complete the system data changes work at the customer's environment before doing this work.

STEP1: Click the [System Data Changes] button on the [Maintenance Report] screen.

A dialog box is displayed to confirm the retrieving system data changes information.

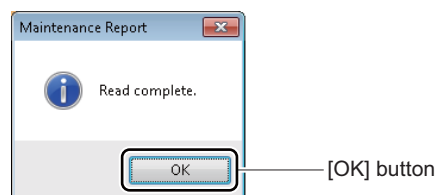
STEP2: Click the [Yes] button.



* When the system data changes information has already retrieved, a dialog box is displayed to confirm the data overwrite. Click the [No] button when using the existing data without any change.

When the reading of data requiring for the maintenance report is completed, a dialog box is displayed to confirm the completion of the process.

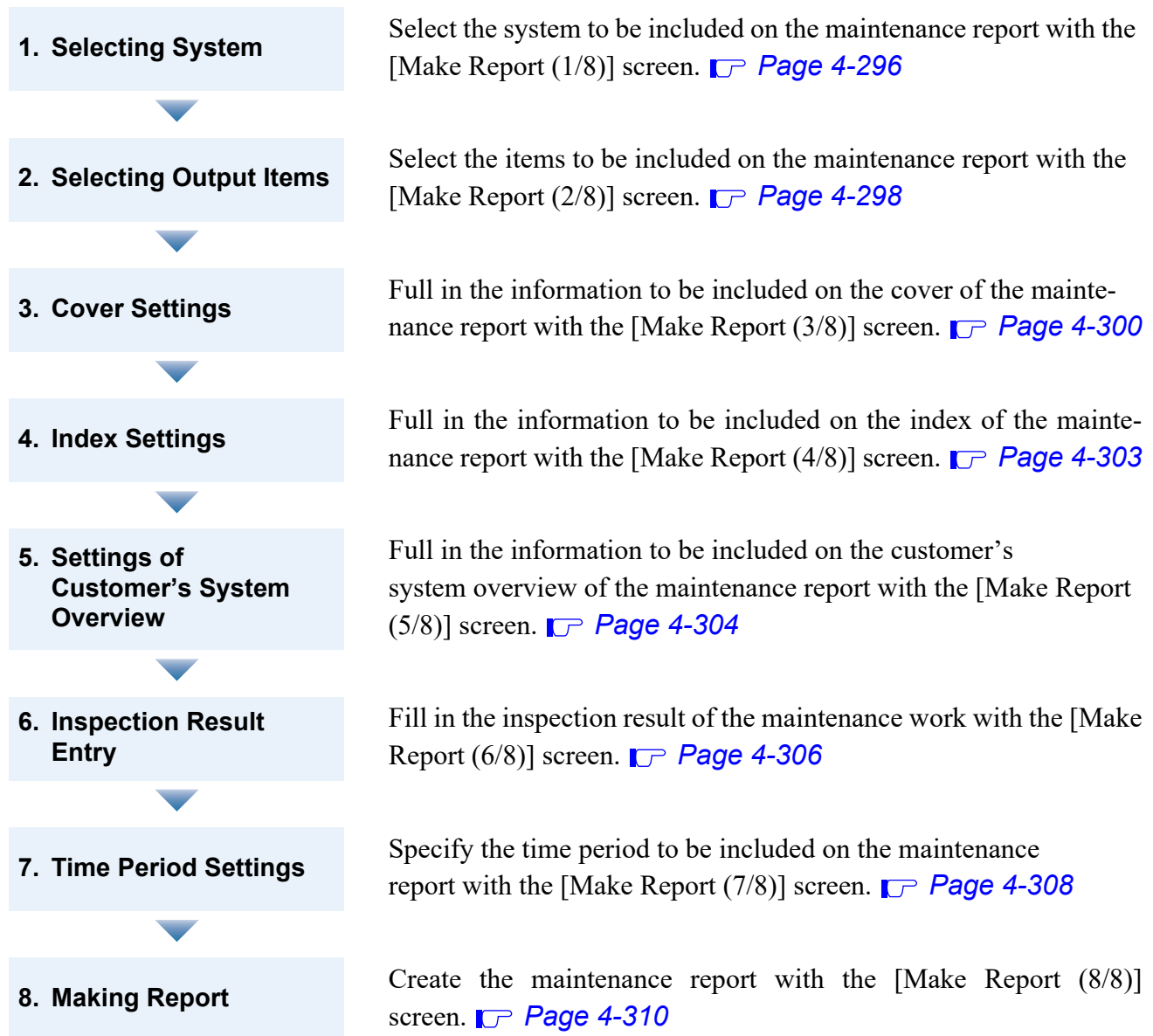
STEP3: Click the [OK] button.



The retrieving system data changes information now has been completed.

■ Making Report

You can create the maintenance report based on the system data changes information retrieved at the customer's environment and display in Microsoft Excel. In creating a report, set the following items according to the screen.

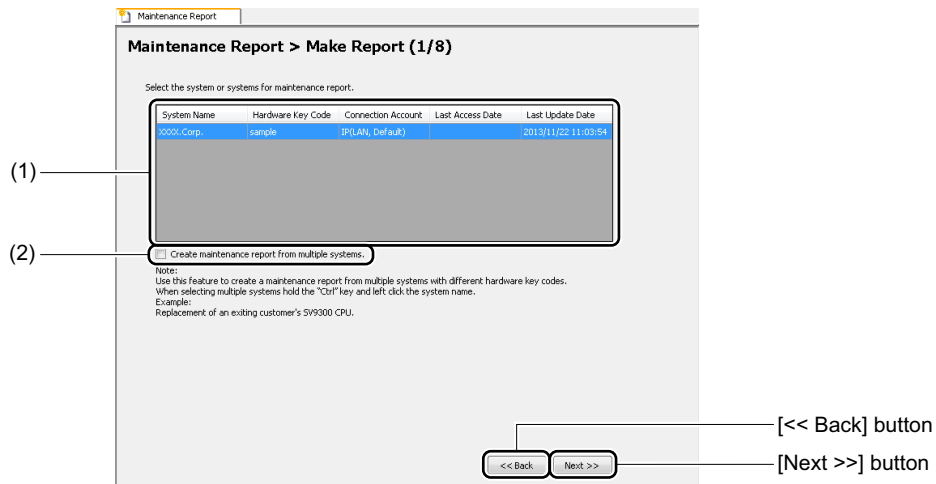


NOTE 1: “3. Cover Settings”, “4. Index Settings”, “5. Settings of Customer's System Overview” and “6. Inspection Result Entry” can be set only when these items are selected as the output items by the [Make Report (2/8)] screen.

NOTE 2: The setting values set by the each Make Report screen are maintained even if PCPro is exited.

<Selecting System>

STEP1: Click the [Make Report] button on the [Maintenance Report] screen.
The [Make Report (1/8)] screen is displayed in the work window.



No.	Item		Description
(1)	System List Area	System Name field	Displays the system name (CM04 Y=70>00) read from SV9300. *1 When a system name is changed by the [Make Report (5/8)] screen, the system name after the change is displayed. *2 This field becomes a blank when no system name is registered to SV9300.
		Hardware Key Code field	Displays the Hardware Key Codes.
		Connection Account field	Displays the connection account of the system.

Continued on next page

No.	Item		Description
(1)	System List Area	Last Access Date field	Displays the date and time at which the system data changes information was retrieved on the [Maintenance Report] screen. * This field becomes a blank when report data has not been read.
		Last Update Date field	Displays the date and time at which the maintenance report was last created on the [Maintenance Report] screen. * This field becomes a blank when the maintenance report has not been created.
(2)	“Create maintenance report from more than one report data.” check box		Such as replacing a CPU blade, check to output the report data (data for each Hardware Key Code) of the multiple systems (CPU) into one maintenance report (default: unchecked). *1 Usually, this feature is not used. *2 When using this feature, select multiple systems to create the report from the System List area (use the “Ctrl” key and left mouse button to select multiple systems). *3 When the setting of this check box (checked/unchecked) is changed, the pre-selected system is canceled.

Tips: *Using System List Area*

Click the title of each field on the System List area to sort on appropriate column.

STEP2: Select the system to be included on the maintenance report from the System List area.

Tips: *Selecting Multiple Systems for Report Output*

When more than one report data is output into one maintenance report, select multiple systems to create the report from the System List area (use the “Ctrl” key and left mouse button to select multiple systems).

STEP3: Click the [Next] button.

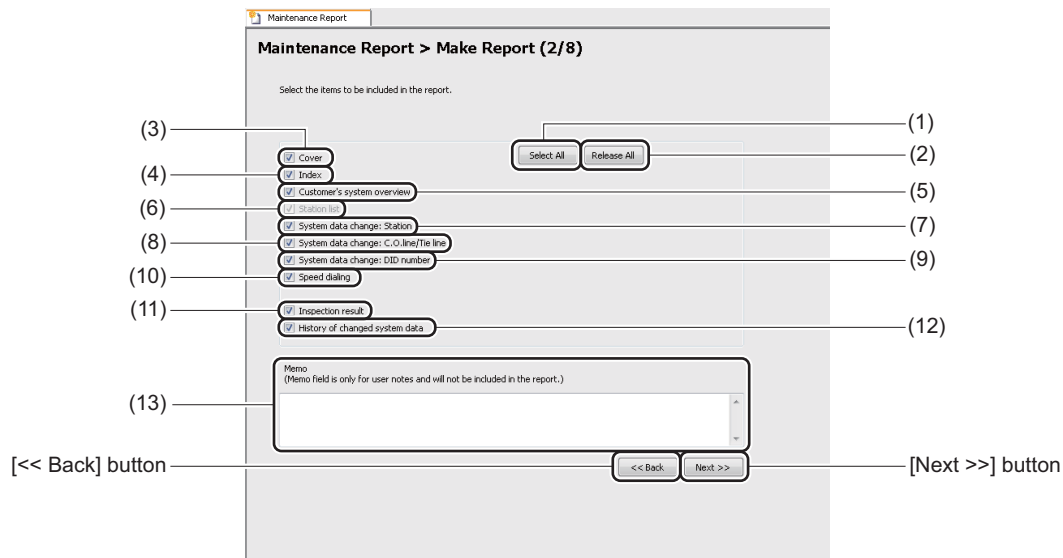
The [Make Report (2/8)] screen is displayed in the work window.

Move on the Selecting Output Items, next.

<Selecting Output Items>

STEP1: Check the check box of the items to be included on the maintenance report.

* The following steps describes for the steps when check boxes of all items are selected.



No.	Item	Description
(1)	[Select All] button	Click to check the check boxes of all items.
(2)	[Release All] button	Click to uncheck the check boxes of all selected items.
(3)	“Cover” check box	Check to include the cover on the maintenance report (default: checked). * The [Make Report (3/8)] screen is displayed only when this check box is checked.
(4)	“Index” check box	Check to include the index on the maintenance report (default: checked). * The [Make Report (4/8)] screen is displayed only when this check box is checked.
(5)	“Customer’s system overview” check box	Check to include the customer’s system overview on the maintenance report (default: checked). * The [Make Report (5/8)] screen is displayed only when this check box is checked.
(6)	“Station list” check box	Check to include the station list on the maintenance report (default: checked). * This check box cannot be selected when no station data exist.

Continued on next page

No.	Item	Description
(7)	“System data change: Station” check box	Check to include the System data change: Station on the maintenance report (default: checked). * This check box cannot be selected when no data is changed.
(8)	“System data change: C.O.line/Tie line” check box	Check to include the System data change: C.O.line/Tie line on the maintenance report (default: checked). * This check box cannot be selected when no data is changed.
(9)	“System data change: DID number” check box	Check to include the System data change: DID number on the maintenance report (default: checked). * This check box cannot be selected when no data is changed.
(10)	“Speed dialing” check box	Check to include the System data change: Speed dialing on the maintenance report (default: checked). * This check box cannot be selected when no data is changed.
(11)	“Inspection result” check box	Check to include the Inspection result on the maintenance report (default: checked). * The [Make Report (6/8)] screen is displayed only when this check box is checked.
(12)	“History of changed system data” check box	Check to include the History of changed system data on the maintenance report (default: checked). * This check box cannot be selected when no data is changed.
(13)	Memo field	Memo field can be noted such as the status of the maintenance work regarding the selected system. • Up to 1500 characters (default: blank field) *1 The information filled in the Memo field are not included on the maintenance report. *2 The line feed entry is available.

STEP2: Click the [Next] button.

The [Make Report (3/8)] screen is displayed in the work window.

NOTE: *The Make Report screen displayed when clicking the [Next >>] button differs depending on the items to be checked on the [Make Report (2/8)] screen (the Make Report screens of the unchecked items are not displayed).*

Move on the Cover Settings, next.

<Cover Settings>

STEP1: Set the items (1) through (13).

- * On the items (6) through (13) (the fields marked with “*”), the information registered to SV9300 is displayed (only when the information is registered). Edit the registered information if necessary.

Maintenance Report > Make Report (3/8)

Fill in the information to be included on the cover page of the report.

(1)	Report Name	Maintenance Report
(2)	Submit Date	Monday, March 10, 2014
(3)	Report Subtitle 1	March, 2014 Inspection
(4)	Report Subtitle 2	
(5)	Report Subtitle 3	
(6)	*Customer Info. (Company Name)	10001 Corp
(7)	*Customer Info. (Dept. Name 1)	10001 Development Office
(8)	*Customer Info. (Dept. Name 2)	10001 Group
(9)	*Dealer Info. (Company Name)	
(10)	*Dealer Info. (Address 1)	
(11)	*Dealer Info. (Address 2)	
(12)	*Dealer Info. (TEL)	
(13)	*Dealer Info. (FAX)	

<< Back button [Next >>] button

No.	Item	Description
(1)	Report Name field	Fill in the information to be included on the cover page of the maintenance report as the report name. <ul style="list-style-type: none"> • Up to 100 characters (default: Maintenance Report) * The line feed entry is not available.
(2)	Submit Date field	Fill in the date to be included on the cover page of the maintenance report as the submit date. <ul style="list-style-type: none"> • Up to 100 characters (default: Day/Month/Year [example: Monday, March 10, 2014]) *1 The line feed entry is not available. *2 The current date (date of the PC) is displayed on the Submit Date field.
(3)	Report Subtitle 1 field	Fill in the information to be included on the cover page of the maintenance report as the Report Subtitle 1. <ul style="list-style-type: none"> • Up to 100 characters (default: Month/Year Inspection) * The line feed entry is not available.

Continued on next page

No.	Item	Description
(4)	Report Subtitle 2 field	Fill in the information to be included on the cover page of the maintenance report as the Report Subtitle 2. • Up to 100 characters (default: blank field) * The line feed entry is not available.
(5)	Report Subtitle 3 field	Fill in the information to be included on the cover page of the maintenance report as the Report Subtitle 3. • Up to 100 characters (default: blank field) * The line feed entry is not available.
(6)	*Customer Info. (Company Name) field	Fill in the information to be included on the cover page of the maintenance report as the Customer Info. (Company Name). • Up to 100 characters (default: displays the Customer Info. (Company Name) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>01) is not assigned to SV9300.
(7)	*Customer Info. (Dept. Name 1) field	Fill in the information to be included on the cover page of the maintenance report as the Customer Info. (Dept. Name 1). • Up to 100 characters (default: displays the Customer Info. (Dept. Name 1) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>02) is not assigned to SV9300.
(8)	*Customer Info. (Dept. Name 2) field	Fill in the information to be included on the cover page of the maintenance report as the Customer Info. (Dept. Name 2). • Up to 100 characters (default: displays the Customer Info. (Dept. Name 2) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>03) is not assigned to SV9300.

Continued on next page

No.	Item	Description
(9)	*Dealer Info. (Company Name) field	Fill in the information to be included on the cover page of the maintenance report as the Dealer Info. (Company Name). <ul style="list-style-type: none"> • Up to 100 characters (default: displays the Dealer Info. (Company Name) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>04) is not assigned to SV9300.
(10)	*Dealer Info. (Address 1) field	Fill in the information to be included on the cover page of the maintenance report as the Dealer Info. (Address 1). <ul style="list-style-type: none"> • Up to 100 characters (default: displays the Dealer Info. (Address 1) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>05) is not assigned to SV9300.
(11)	*Dealer Info. (Address 2) field	Fill in the information to be included on the cover page of the maintenance report as the Dealer Info. (Address 2). <ul style="list-style-type: none"> • Up to 100 characters (default: displays the Dealer Info. (Address 2) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>06) is not assigned to SV9300.
(12)	*Dealer Info. (TEL) field	Fill in the information to be included on the cover page of the maintenance report as the Dealer Info. (TEL). <ul style="list-style-type: none"> • Up to 100 characters (default: displays the Dealer Info. (TEL) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>07) is not assigned to SV9300.
(13)	*Dealer Info. (FAX) field	Fill in the information to be included on the cover page of the maintenance report as the Dealer Info. (FAX). <ul style="list-style-type: none"> • Up to 100 characters (default: displays the Dealer Info. (FAX) read from SV9300) *1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>08) is not assigned to SV9300.

STEP2: Click the [Next] button.

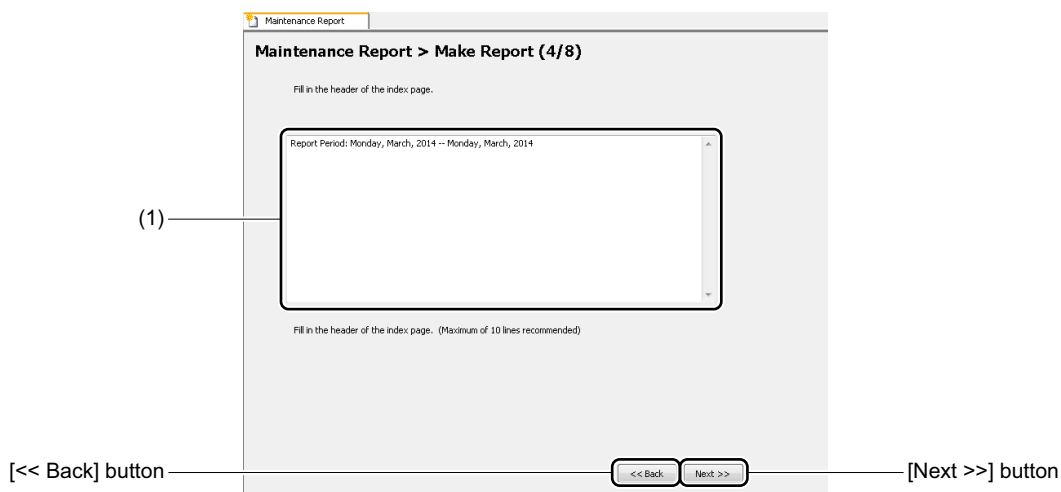
The [Make Report (4/8)] screen is displayed in the work window.

NOTE: *The Make Report screen displayed when clicking the [Next >>] button differs depending on the items to be checked on the [Make Report (2/8)] screen (the Make Report screens of the unchecked items are not displayed).*

Move on the Index Settings, next.

<Index Settings>

STEP1: In the Work Outlines area, fill in the information to be included on the index page of the maintenance report.



No.	Item	Description
(1)	Work Outlines Area	Fill in the information to be included on the index page of the maintenance report as the Work Outlines. <ul style="list-style-type: none"> • Up to 100 characters The following fixed phrases are displayed as the default. Report Period: Day/Month/Year - Day/Month/Year ^{*2} <p>*1 The line feed entry is available.</p> <p>*2 For the date of the Report Period, the current dates (the dates of PC) are displayed for both on the Start/End date (example: Report Period: Monday, March, 2014 - Monday, March, 2014).</p>

STEP2: Click the [Next] button.

The [Make Report (5/8)] screen is displayed in the work window.

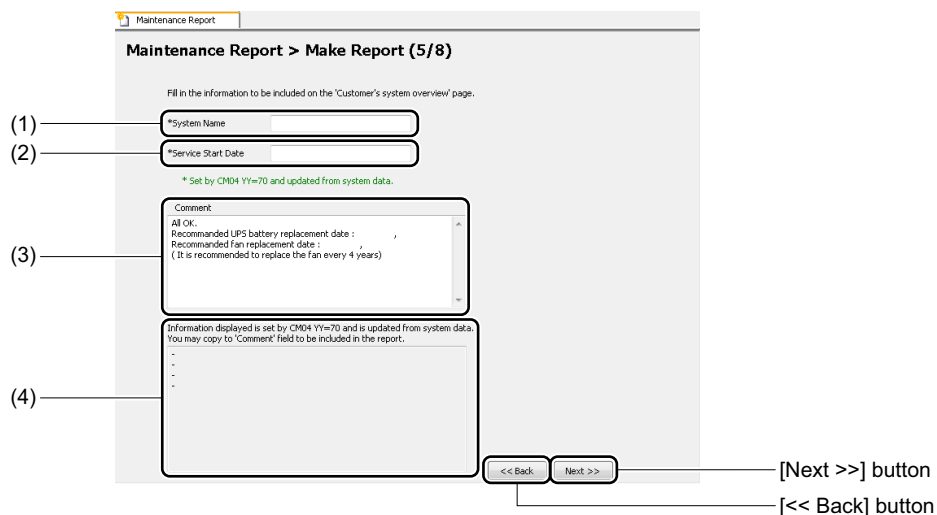
NOTE: *The Make Report screen displayed when clicking the [Next >>] button differs depending on the items to be checked on the [Make Report (2/8)] screen (the Make Report screens of the unchecked items are not displayed).*

Move on the Settings of Customer's System Overview, next.

<Settings of Customer's System Overview>

STEP1: Set the items (1) through (3).

* On the items (1) and (2) (the fields marked with “*”), the information registered to SV9300 is displayed (only when the information is registered). Edit the registered information if necessary.



No.	Item	Description
(1)	*System Name field	<p>Fill in the information to be included on the customer's system overview of the maintenance report as the System Name.</p> <ul style="list-style-type: none"> Up to 100 characters (default: displays the system name (CM04 Y=70>00) read from SV9300) <p>*1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>00) is not assigned to SV9300.</p>

Continued on next page

No.	Item	Description
(2)	*Service Start Date field	<p>Fill in the information to be included on the customer's system overview of the maintenance report as the Service Start Date.</p> <ul style="list-style-type: none"> Up to 100 characters (default: displays the service start date (CM04 Y=70>10) read from SV9300) <p>*1 The line feed entry is not available. *2 This field becomes a blank when the system data (CM04 Y=70>10) is not assigned to SV9300.</p>
(3)	Comment Area	<p>Fill in the information to be included on the customer's system overview of the maintenance report as the Comment.</p> <ul style="list-style-type: none"> Up to 1000 characters <p>The following fixed phrases are displayed as the default. All OK, Recommended UPS battery replacement date: Recommended fan battery replacement date: (It is recommended to replace the fan every 4 years)</p> <p>*1 The line feed entry is available. *2 The date read from SV9300 (CM04 Y=70>11, 12) is displayed (example: Recommended UPS battery replacement date: Monday, March 10, 2014).</p>
(4)	Inspection Date Info. field	<p>Displays the Inspection Date information registered to SV9300. This field can be used for editing the Comment area as a auxiliary field (default: displays the registered data in CM04 Y=70>16-19).</p>

STEP2: Click the [Next] button.

The [Make Report (6/8)] screen is displayed in the work window.

NOTE: *The Make Report screen displayed when clicking the [Next >>] button differs depending on the items to be checked on the [Make Report (2/8)] screen (the Make Report screens of the unchecked items are not displayed).*

Move on the Inspection Result Entry, next.

<Inspection Result Entry>

STEP1: Fill in the inspection result of the maintenance work for each field of the Inspection Checklist area.

No.	Item	Description
(1)	[Check All] button	Click to check the check boxes of all items.
(2)	[Release All] button	Click to uncheck the check boxes of all selected items.
(3)	Inspection Checklist Area	“Output to report” check box
		Item field
		Sub Item field
		Recommended Inspection Frequency field
		Measurement field
		<p>Outputs the inspection items of the checked rows to the maintenance report (default: checked*).</p> <p>* Some items in Station category, Trunk category and Accessory Device category are excluded.</p> <p>Displays the items to be inspected.</p> <p>Displays the target for verification of the inspection items.</p> <p>Displays the recommended cycle of the inspection items.</p> <p>Fill in the information or result of the inspected items.</p> <ul style="list-style-type: none"> Up to 100 characters <p>* The line feed entry is not available.</p>

Continued on next page

No.	Item		Description
(3)	Inspection Check-list Area	Result field	Evaluate the inspection result and check to the appropriate check boxes (such as OK, NG, N/A) (default: unchecked).
		Treatment field	Check to the appropriate check boxes whether the corrective action is taken or not (default: unchecked). When the corrective action is taken, fill in the information of the action. <ul style="list-style-type: none"> • Up to 100 characters *1 The line feed entry is not available except the Self Check Item field, the Customer's Indication field and the Operator's Comment field. *2 For the Customer's Indication field and the Operator's Comment field, up to 1000 characters can be entered.

STEP2: Click the [Next] button.

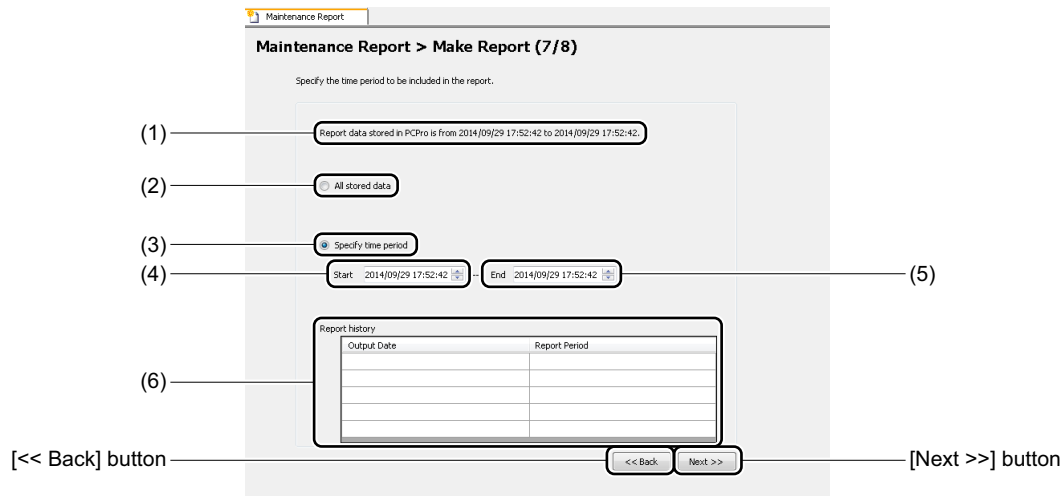
The [Make Report (7/8)] screen is displayed in the work window.

Move on the Time Period Settings, next.

<Time Period Settings>

STEP1: Specify the time period to be included in the maintenance report.

- To include the all system data change histories without specifying the time period:
Click the [All stored data (not specify time period)] radio button.
- To include the system data change histories with specifying the time period:
Click the [Specify time period] radio button, then specify the Start field and End field.



No.	Item	Description
(1)	Explanation field	Displays the time period of existing report data (example: Report data stored in PCPro is from 2014/09/29 17:52:42 to 2014/09/29 17:52:42). * For the time period, the report data from beginning to end which is the targeted system is displayed.
(2)	[All stored data] radio button	Click to include the system data change histories of the all time periods (default: unchecked).
(3)	[Specify time period] radio button	Click to include the system data change histories with specifying the time period (default: checked).
(4)	Start field	Specify the start time/date of the time period to be included in the maintenance report when the [Specify time period] radio button is checked (default: displays the time period of the report data which has not been output yet).

Continued on next page

No.	Item		Description
(5)	End field		Specify the end time/date of the time period to be included in the maintenance report when the [Specify time period] radio button is checked (default: end time/date* of the report data). * When the report data history which was output by the end time/date exists, the end time/date + one second is displayed.
(6)	“Report history” Area*	Output Date field	Displays the time/date at which the maintenance report is output.
		Report Period field	Displays the report period of the maintenance report.

* On the Report history area, up to five report histories are displayed in order of the latest histories.

STEP2: Click the [Next] button.

The [Make Report (8/8)] screen is displayed in the work window.

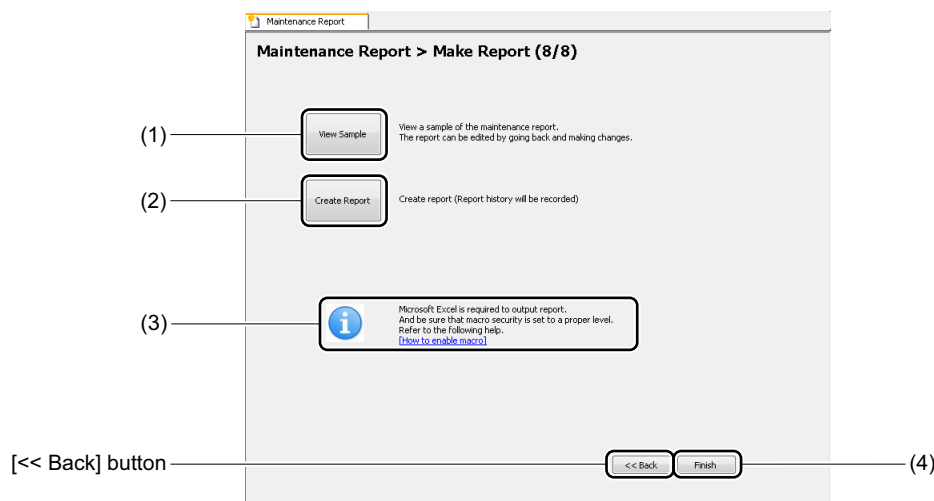
Move on the Making Report, next.

<Making Report>

NOTE: To create the maintenance report, the following conditions must be met on PC.

- Microsoft Excel 2010 or later is pre-installed on your PC.
 - * Install the Excel on the same PC to which the PCPro is installed.
- Macro settings in Excel is effective.
 - * For details, refer to the “<Enabling Macro in Excel>” in Chapter 1.
- The printer in use is set normally.
- Close all other Excel files when creating the maintenance report.

STEP1: Click the [View Sample] button.

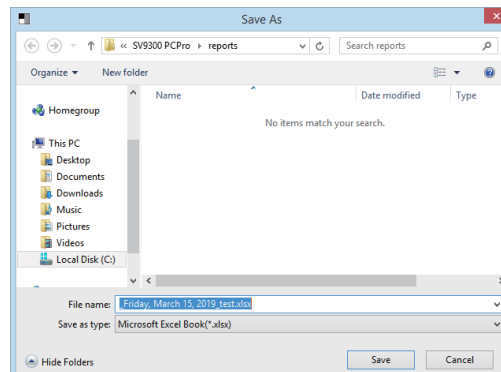


No.	Item	Description
(1)	[View Sample] button	Click to view a sample of the maintenance report. * The report histories of the time/date and the time period are not maintained when viewing the sample of the maintenance report.
(2)	[Create Report] button	Click to create the maintenance report. * When the maintenance report is created by this button, the report histories (such as the time/date and the time period of the report) is saved.
(3)	Note field	A note for the installation of Microsoft Excel and macro settings are described. Click the link (underline part) of “And be sure that macro security is set to a proper level. Refer to the following help. [How to enable macro]” to display the help for macro settings.
(4)	[Finish] button	Click to return to the [Maintenance Report] screen.

Tips: *Using View Sample feature*

The View Sample feature is used to confirm the information entered so far in the sample of the maintenance report. When editing is required for the output sample, return to the previous Make Report screen and edit the entered data. The View Sample feature can be used any number of times. Make the report when no problem is found in the sample of the maintenance report.

The [Save As] screen is displayed.



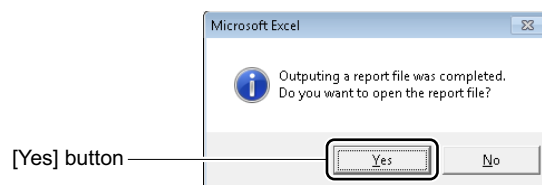
STEP2: Specify the folder and file name to which the sample of the maintenance report is created, then click the [Save] button.

Excel is launched and starts creating the sample of the maintenance report.

* When the report file of the same file name exists, the dialog box is displayed to confirm the file overwrite. Click the [No] button to output with an another file name without overwriting the file.

When creating the sample of the maintenance report is completed, a dialog box is displayed to notify the completion of the process.

STEP3: Click the [Yes] button.

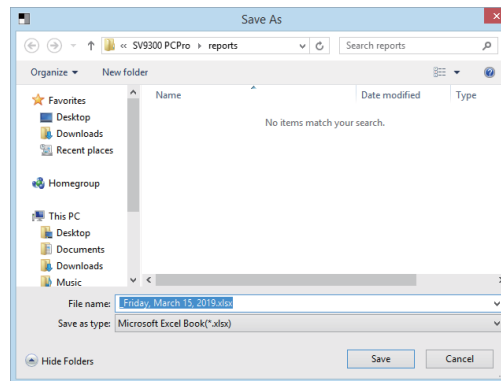


The sample of the maintenance report is displayed in Excel.

STEP4: Verify the information displayed on the sample of the maintenance report.

* Go to STEP6 to create the report by the displayed information.

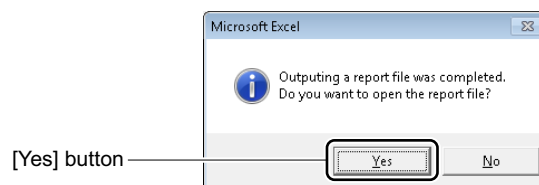
- STEP5: Change the entered data of the Make Report screen for which the editing is required. Then, repeat the STEP1 to STEP4.
- STEP6: Click the [Create Report] button.
The [Save As] screen is displayed.



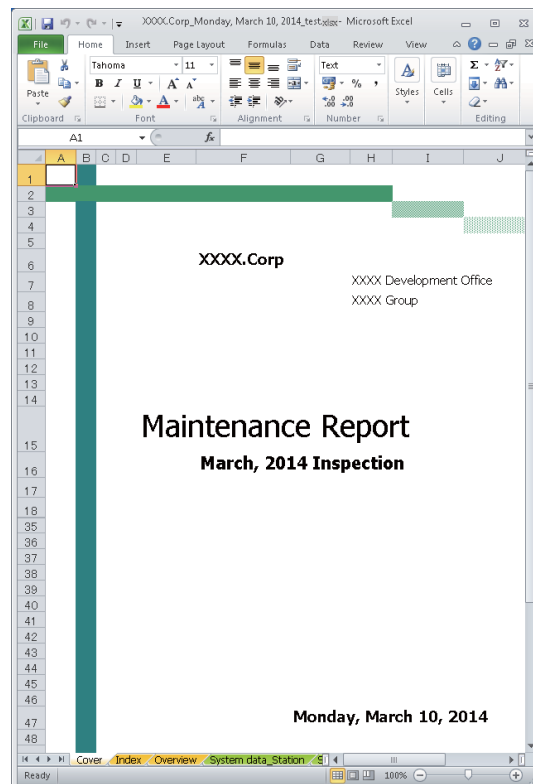
- STEP7: Specify the folder and file name to which the maintenance report is created, then click the [Save] button.
Excel is launched and starts creating the maintenance report.
- * When the report file of the same file name exists, the dialog box is displayed to confirm the file overwrite. Click the [No] button to output with an another file name without overwriting the file.

When creating the maintenance report is completed, a dialog box is displayed to notify the completion of the process.

- STEP8: Click the [Yes] button.



The maintenance report is displayed in Excel.



STEP9: Edit the information of the maintenance report in Excel, if necessary.

STEP10: Print the maintenance report from Excel.

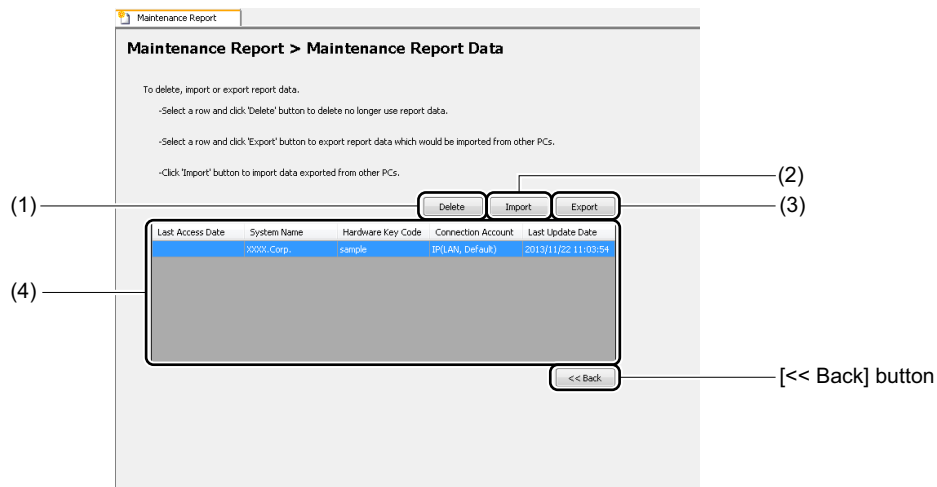
STEP11: Click the [Finish] button.

You are directed back to the [Maintenance Report] screen.

The creation of the maintenance report has now been completed.

■ Maintenance Report Data

The [Maintenance Report Data] menu can delete the unnecessary report data, import the report data which is used on the other PCs to an own PC and export the report data which is used on an own PC to other PCs.



No.	Item	Description
(1)	[Delete] button	Click to delete the report data and the history of output report.
(2)	[Import] button	Click to import the stored report data on other PCs to an own PC and create the report from an own PC. *1 Usually, this feature is not used. *2 When the report data in the same system as the report data stored in the PC used was imported, the report data is automatically merged. *3 When there is no stored report data in the PC used, or report data in other systems was imported, the report data is newly added in the System List area.
(3)	[Export] button	Click to export the stored report data on an own PC to other PCs and create the report from other PCs. *1 Usually, this feature is not used. *2 The exported report data will be saved in ZIP format.

Continued on next page

No.	Item		Description
(4)	System List Area	Last Access Date field	Displays the date and time at which the system data changes information was retrieved on the [Maintenance Report] screen. • Display format: YYYY/MM/DD HH:MM:SS (Example: 2014/03/10 15:20:12) * This field becomes a blank when report data has not been read.
		System Name field	Displays the system name (CM04 Y=70>00) read from SV9300. *1 When a system name is changed by the [Make Report (5/8)] screen, the system name after the change is displayed. *2 This field becomes a blank when no system name is registered to SV9300.
		Hardware Key Code field	Displays the Hardware Key Codes.
		Connection Account field	Displays the latest connection account connected to the system.
		Last Update Date field	Displays the date and time at which the maintenance report was last created on the [Maintenance Report] screen. • Display format: YYYY/MM/DD HH:MM:SS (Example: 2014/03/10 15:20:12) * This field becomes a blank when a maintenance report has not been output.

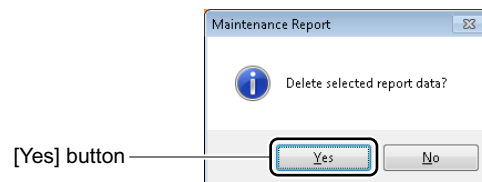
<Deleting Report Data>

STEP1: Select the row of the report data to delete from the System List area.

STEP2: Click the [Delete] button.

A dialog box is displayed to confirm the deletion of the report data.

STEP3: Click the [Yes] button.



The selected report data and the output report history are deleted.

The report data has now been deleted.

<Importing Report Data>

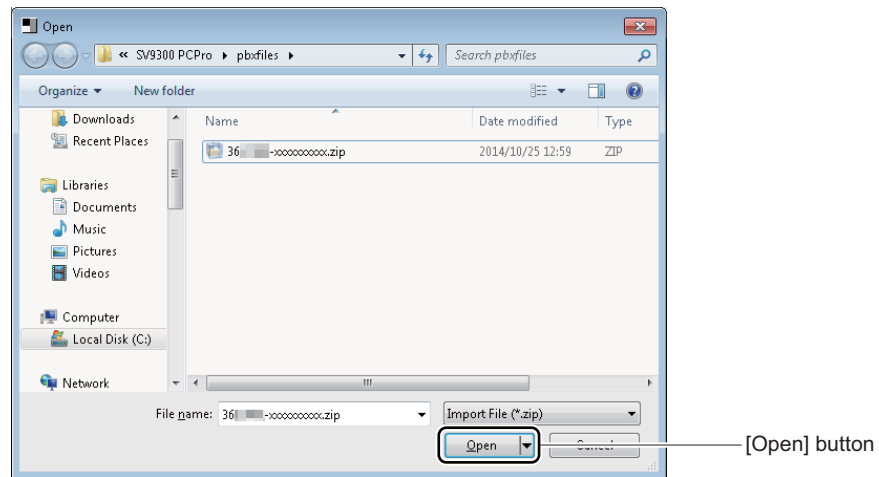
NOTE: For importing report data, the following data is exempt.

- The [Make Report (2/8)] screen: the selecting status of the output items
- The [Make Report (3/8)] screen: Report Name, Report Subtitle 1-3
- The [Make Report (4/8)] screen: Work Outlines area of the Index
- The [Make Report (5/8)] screen: Comment field of the customer's system overview
- The [Make Report (6/8)] screen: Inspection checklist area

STEP1: Select the row from the System List Area, then click the [Import] button.

The [Open] screen is displayed.

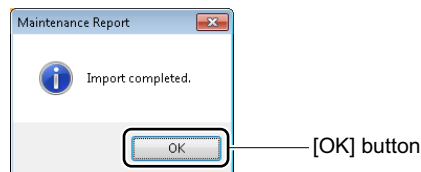
STEP2: Select the report data in the [Open] screen, then click the [Open] button.



The importing report data starts.

When the importing report data is completed, a dialog box is displayed to notify the completion of the import process.

STEP3: Click the [OK] button.



The report data has now been imported.

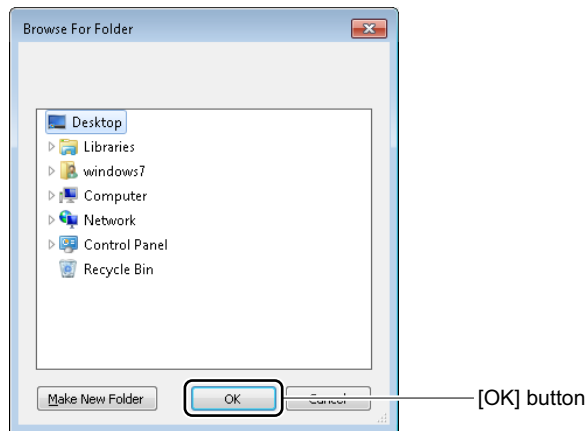
<Exporting Report Data>

NOTE: For exporting report data, the following data is exempt.

- The [Make Report (2/8)] screen: the selecting status of the output items
- The [Make Report (3/8)] screen: Report Name, Report Subtitle 1-3
- The [Make Report (4/8)] screen: Work Outlines area of the Index
- The [Make Report (5/8)] screen: Comment field of the customer's system overview
- The [Make Report (6/8)] screen: Inspection checklist area

STEP1: Select the row from the System List Area, then click the [Export] button.
The screen to specify where to save the report data is displayed.

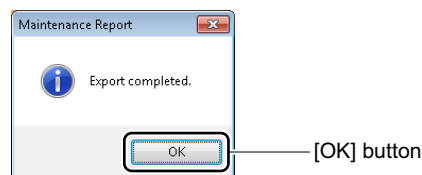
STEP2: Specify the destination to save the report data, then click the [OK] button.



The exporting report data starts and the data is saved in ZIP format.

When the exporting report data is completed, a dialog box is displayed to notify the completion of the export process.

STEP3: Click the [OK] button.



The report data has now been exported.

Wizard Mode

Wizard Mode provides screens, which are the equivalent of system data settings of the Programming Manual.

- By entering system data in order according to the screen, settings of the service feature will be completed.
- Because supplemental remarks of the system data and recommended value to implement the service are displayed on the screen, the system data for the service can be set easily.

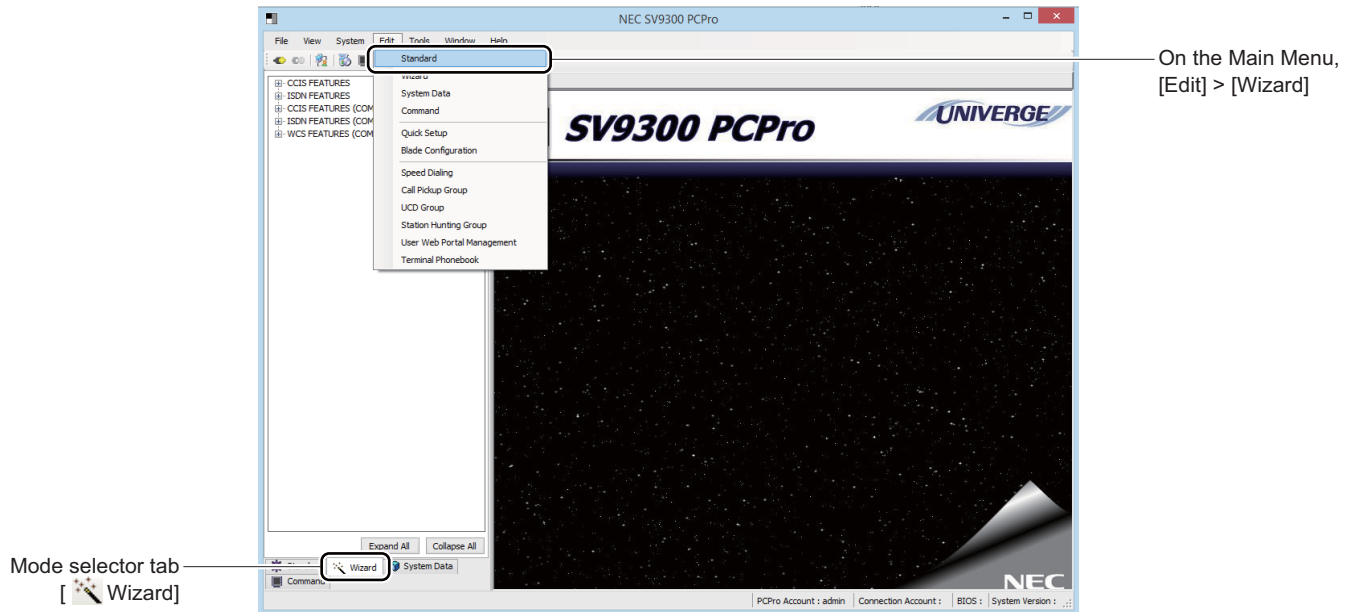
This chapter explains how to switch to Wizard Mode, use Wizard Mode and to set each category.

- Switching to Wizard Mode
- Using Wizard Mode
- [CCIS Features] Category
- [ISDN Features] Category
- [CCIS Features (Command Mode)] Category
- [ISDN Features (Command Mode)] Category
- [WCS Features (Command Mode)] Category

Switching to Wizard Mode

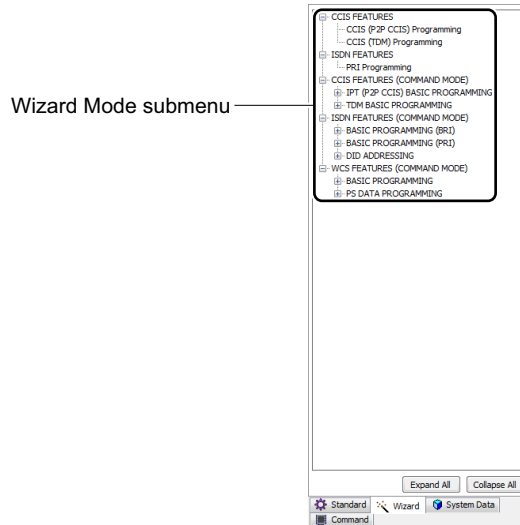
You can switch the submenu view to Wizard Mode in one of the following operations:

- Click mode selector tab [ Wizard] tab.
- On the Main Menu, click [Edit] > [Wizard] in this order.



Using Wizard Mode

The Wizard Mode is organized into the following submenus. Work with the setup screen as instructed in the page shown in the Refer column.



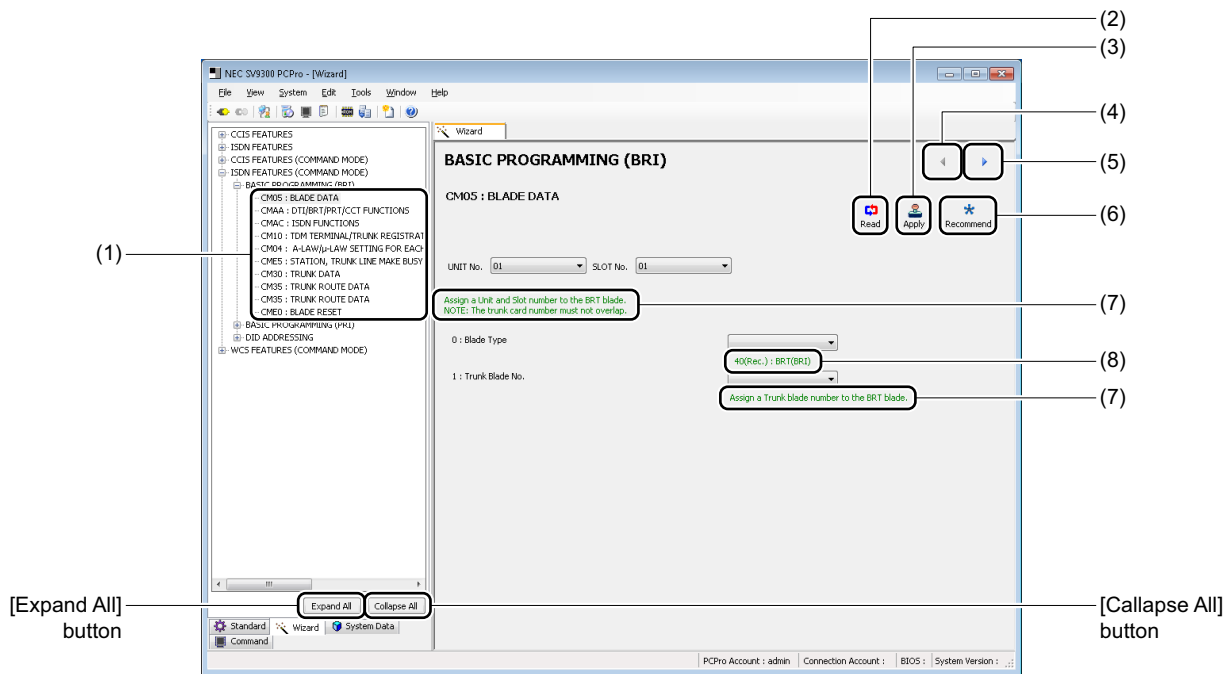
Submenu Category	Menu Choice	Reference Page
CCIS Features ^{*1 *4}	CCIS (P2P CCIS) Programming ^{*3}	Page 5-6
	CCIS (TDM) Programming	Page 5-15
ISDN Features ^{*1}	PRI Programming ^{*4}	Page 5-23
CCIS Features (Command Mode) ^{*2 *5}	IPT (P2P CCIS) Basic Programming	Page 5-30
	TDM Basic Programming	Page 5-33
ISDN Features (Command Mode) ^{*2 *5}	Basic Programming (BRI)	Page 5-36
	Basic Programming (PRI)	Page 5-39
	DID Addressing	Page 5-42
WCS Features (Command Mode) ^{*2 *5}	Basic Programming	Page 5-44
	PS Data Programming	Page 5-47

*1 You can set the service feature by assigning multiple commands (such as more than one trunk numbers) at a time. By saving the setting data into a script file, you can work in off-line mode.

*2 You can set the service feature to read or write system data per command (available only in on-line mode).



Continued on next page

- *3 CCIS (P2P CCIS) Programming is intended for IPT (P2P CCIS).
- *4 When setting CCIS Features or doing PRI Programming, use the CCIS Features menu or the ISDN Features menu. However, when reading the system data after these service features are set, use the CCIS Features (Command Mode) menu or the ISDN Features (Command Mode) menu.
- *5 In command modes such as the CCIS Features (Command Mode) and the ISDN Features (Command Mode), if **[+]** in submenus of each category is clicked, the system data menu necessary to provide the service feature are expanded to the tree. By assigning the system data menu expanded to the tree in order, the basic system data of the appropriate category can be assigned.



No.	Item	Description
(1)	System Data menus	Displays system data necessary to assign for each feature. * When the connection with SV9300 is established, reads and displays system data in the work window (if there is no select/entry item such as Unit number).
(2)	[Read] button	Click to read system data registered in the SV9300. * Effective only when system data to be read exists.
(3)	[Apply] button	Click to write the assigned system data to the SV9300. * Effective only when system data to be written exists.
(4)	[Previous] (◀) button	Click to switch the previous system data setting screen.

Continued on next page

No.	Item	Description
(5)	[Next] () button	Click to switch the next system data setting screen. * When switching to the last screen to set the system data (such as for a system reset and a blade reset),  is displayed.
(6)	[Recommend] button	Click to change the assigned system data to recommended values. * Effective only when system data to be written exists.
(7)	Supplemental Remarks Display	Displays supplemental remarks (displays only when preconditions and precautions of the service settings exist).
(8)	Recommended Value Display	Displays recommended values (displays only when recommended values exist).

[CCIS Features] Category

In the [CCIS Features] category, the following CCIS features can be set.

- CCIS (P2P CCIS) Programming
- CCIS (TDM) Programming [Page 5-15](#)

CCIS (P2P CCIS) Programming

The CCIS (P2P CCIS) data can be set by the following procedures.

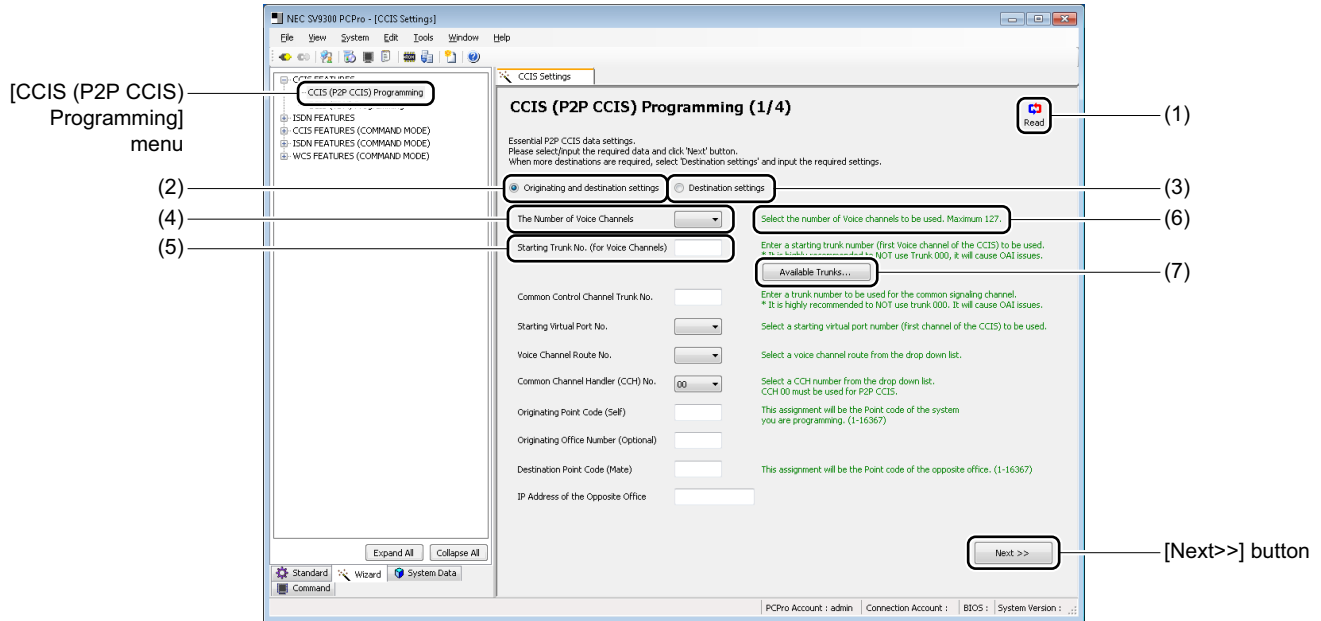
- (1) Essential Data Settings : Assign the essential data for CCIS (P2P CCIS) Programming with the [CCIS (P2P CCIS) Programming (1/4)] screen.
- (2) Numbering Plan Data Settings: Assign the numbering plan data with the [CCIS (P2P CCIS) Programming (2/4)] screen.
- (3) Optional Data Settings : Assign the optional data with the [CCIS (P2P CCIS) Programming (3/4)] screen.
- (4) System Data Registration : Register the assigned data to SV9300 with the [CCIS (P2P CCIS) Programming (4/4)] screen.

Tips: *Concerning the Setting Method*

When doing the following settings, assign the data according to the “explanation” and “setting values” described in the setting items on each screen.

STEP1: Click the [CCIS (P2P CCIS) Programming] menu from submenu of the [CCIS FEATURES] category.

The [CCIS (P2P CCIS) Programming (1/4)] screen is displayed in the work window.



No.	Item	Description
(1)	[Read] button	Click to read the data by focusing on the available data (available only in on-line mode).
(2)	[Originating and destination settings] radio button	Click to register the originating and destination data.
(3)	[Destination settings] radio button	Click to register the additional destination data.
(4)	Data selection pulldown menu	Click <input type="checkbox"/> to select data to be assigned for the following items. <ul style="list-style-type: none"> • The Number of Voice Channel • Starting Virtual Port No. • Voice Channel Route No. • Common Channel Handler (CCH) No.

Continued on next page

No.	Item	Description
(5)	Data Entry field	Enter the data to be assigned for the following items. <ul style="list-style-type: none"> • Starting Trunk No. (for Voice Channel) • Common Control Channel Trunk No. • Originating Point Code (Self) • Originating Office Number • Destination Point Code (Mate) • IP Address of the Opposite Office *1 Only 0-9 (up to 4 digits) can be set for Originating Office Number. *2 Enter the Destination Point Code (Mate) including periods. “0.0.0.0” and “255.255.255.255” cannot be set.
(6)	Explanation field	Describes the set contents of each item.
(7)	[Available Trunks] button	Click to display the [List of Available Trunks] screen. This screen is used to confirm the available trunk number when assigning the Starting Trunk number.

Tips: *Reading Feature by Focusing on the Available Data*

When launching the [CCIS (P2P CCIS) Programming (1/4)] screen, or clicking the [Read] button on the screen, you can read the data by focusing on the available data for the following fields. Because the only available data is displayed in each field, each data can be assigned easily.

- Starting Virtual Port No.
 - Voice Channel Route No.
 - Common Channel Handler (CCH) No.
- * This feature is available only when connected to the SV9300.*

STEP2: Click the [Read] button, if necessary.

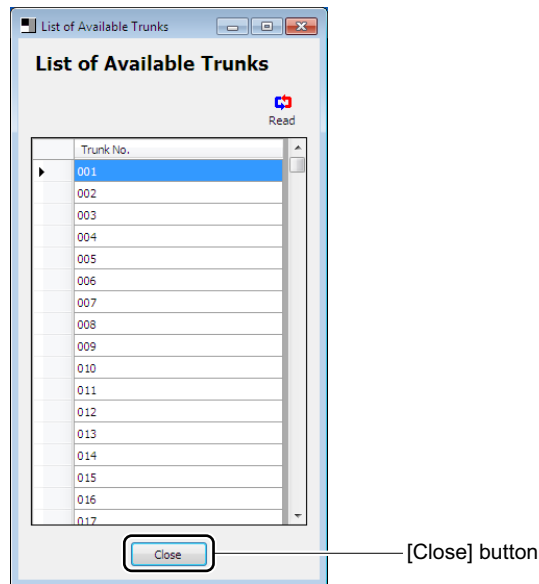
STEP3: Check the [Originating and destination settings] radio button or the [Destination settings] radio button.

- When the [Originating and destination settings] radio button is checked: Go to STEP4.
- When the [Destination settings] radio button is checked: Go to STEP6.

STEP4: Click the [Available Trunk] button.

The [List of Available Trunks] screen is displayed.

STEP5: Confirm the available trunk numbers, then click the [Close] button.



NOTE: *The list of available trunk numbers can be read only in on-line mode.*

STEP6: Set the necessary items, then click the [Next >>] button.
The [CCIS (P2P CCIS) Programming (2/4)] screen is displayed in the work window.

NOTE: *The entry conditions differ depending on the registration method specified by the STEP3. Set the data according to the entry conditions as shown the table below.*

×: Data entry/selection required, –: Random entry/selection

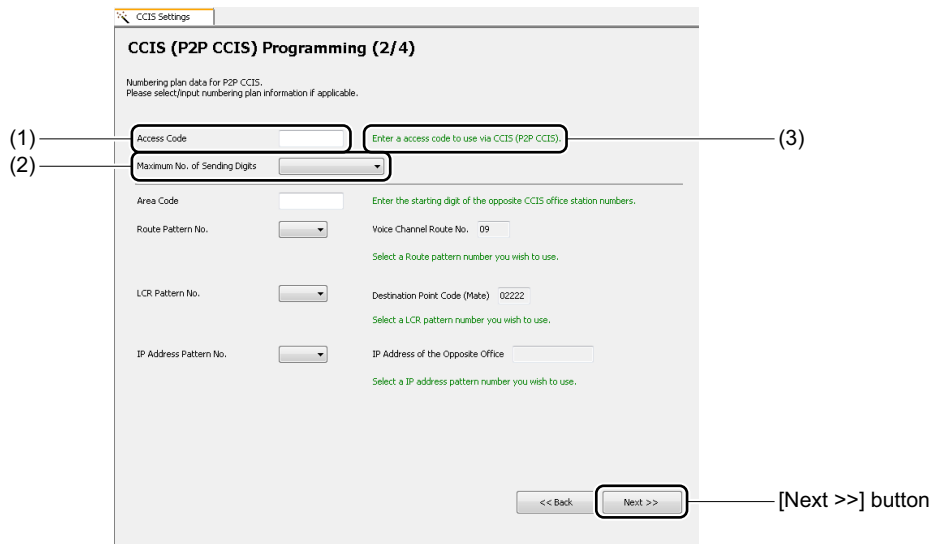
Setting Item	Entry Condition	
	When Setting Originating and Destination	When Setting Destination
The Number of Voice Channel	×	(Unselectable)
Starting Trunk No. (for Voice Channel)	×	(No entry is available)
Common Control Channel Trunk No.	×	×
Starting Virtual Port No.	×	(Unselectable)
Voice Channel Route No.	×	×
Common Channel Handler (CCH) No.	×	×
Originating Point Code (Self)	×	–
Originating Office Number	–	–
Destination Point Code (Mate)	–	×
IP Address of the Opposite Office	–	×


Tips: ***A Starting Trunk Number Assignment***

Match the Starting Trunk No. (for Voice Channel) field with the available trunk numbers confirmed by the [List of Available Trunks] screen.

** In the CCIS (P2P CCIS) Programming, the trunk numbers for voice channel are assigned for the number of voice channels in order from the Starting Trunk number.*

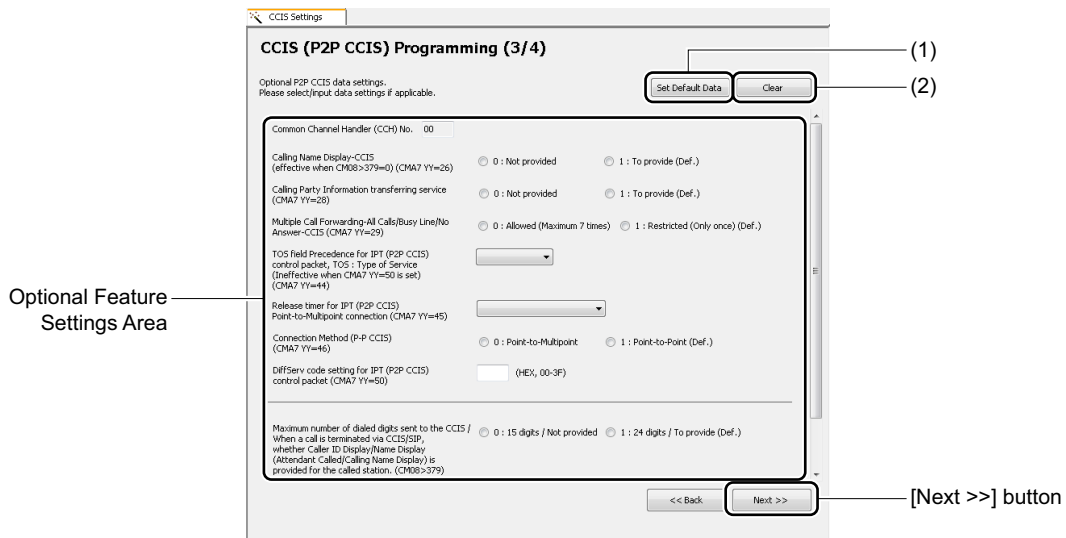
STEP7: When setting the Numbering Plan, set the necessary items, then click the [Next >>] button.



No.	Item	Description
(1)	Data Entry field	Enter the data to be assigned for the following items. <ul style="list-style-type: none"> • Access Code • Area Code
(2)	Data selection pull-down menu	Click  to select data to be assigned for the following items. <ul style="list-style-type: none"> • Maximum No. of Sending Digits • Route Pattern No. • LCR Pattern No. • IP Address Pattern No.
(3)	Explanation field	Describes the set contents of each item.

The [CCIS (P2P CCIS) Programming (3/4)] screen is displayed in the work window.

STEP8: Set the necessary items for the optional features, then click the [Next >>] button.
Set the data related to Common Channel Handler (CCH) No. and the system (CM08) here.



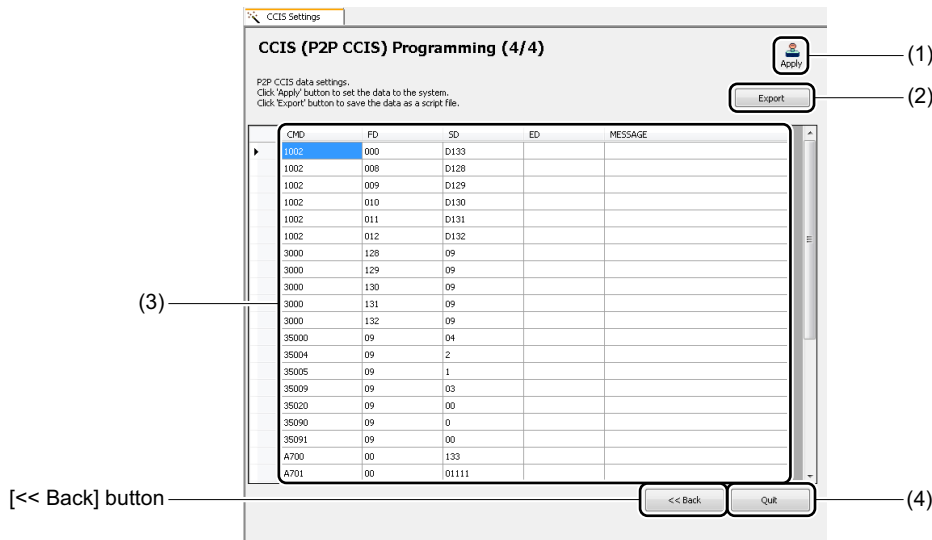
Tips: *When Applying Default Data*

To assign the default data for each setting item in the Optional Feature Settings Area, click the [Set Default Data] button, then click the [Next >>] button.

No.	Item	Description
(1)	[Set Default Data] button	Click to assign the default data for each item in the Optional Feature Settings Area.
(2)	[Clear] button	Click to clear the input data in the Optional Feature Settings Area.

The assigned data for CCIS (P2P CCIS) Programming is generated, and the [CCIS (P2P CCIS) Programming (4/4)] screen is displayed in the work window.

STEP9: Confirm the generated data, then click the [Apply] button.



No.	Item	Description	
(1)	[Apply] button	Click to write the generated data to the SV9300.	
(2)	[Export] button	Click to export the generated data to the script file.	
(3)	Setting Data Area	CMD field	Displays the command code and Y number assigned in the [CCIS (P2P CCIS) Programming] screen.
		FD field	Displays the first data of the command code assigned in the [CCIS (P2P CCIS) Programming] screen.
		SD field	Displays the second data of the command code assigned in the [CCIS (P2P CCIS) Programming] screen.
		ED field	Displays the command code-specific SV9300 response data assigned in the [CCIS (P2P CCIS) Programming] screen.
		Message field	Uses to edit the script file created by the export feature.
(4)	[Quit] button	Click to return the [CCIS (P2P CCIS) Programming (1/4)] screen.	

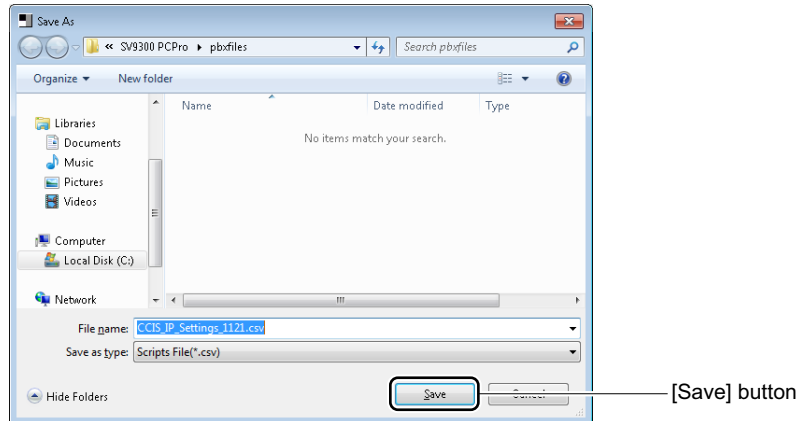
After clicking the [Apply] button, a dialog box is displayed to confirm the registration of the input data.

NOTE: The [Apply] button is effective only in on-line mode.

Tips: *Creating a Script File*

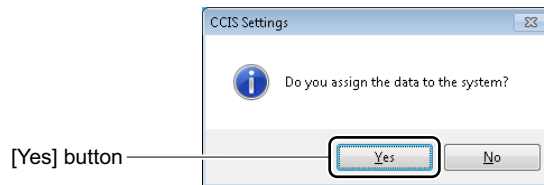
With the export feature, you can save the input data to a script file without registering to the system. The created script file can be used in off-line mode.

After clicking the [Export] button, the [Save As] screen is displayed. Specify the folder to which the script file is saved, then click the [Save] button.



** For the reading method of the script file, see “Script”. [Page 4-90](#)*

STEP10: Click the [Yes] button.



STEP11: Click the [Quit] button.

You are directed back to the [CCIS (P2P CCIS) Programming (1/4)] screen.

The CCIS (P2P CCIS) Programming has now been set.

CCIS (TDM) Programming

The CCIS (TDM) data can be set by the following procedures.

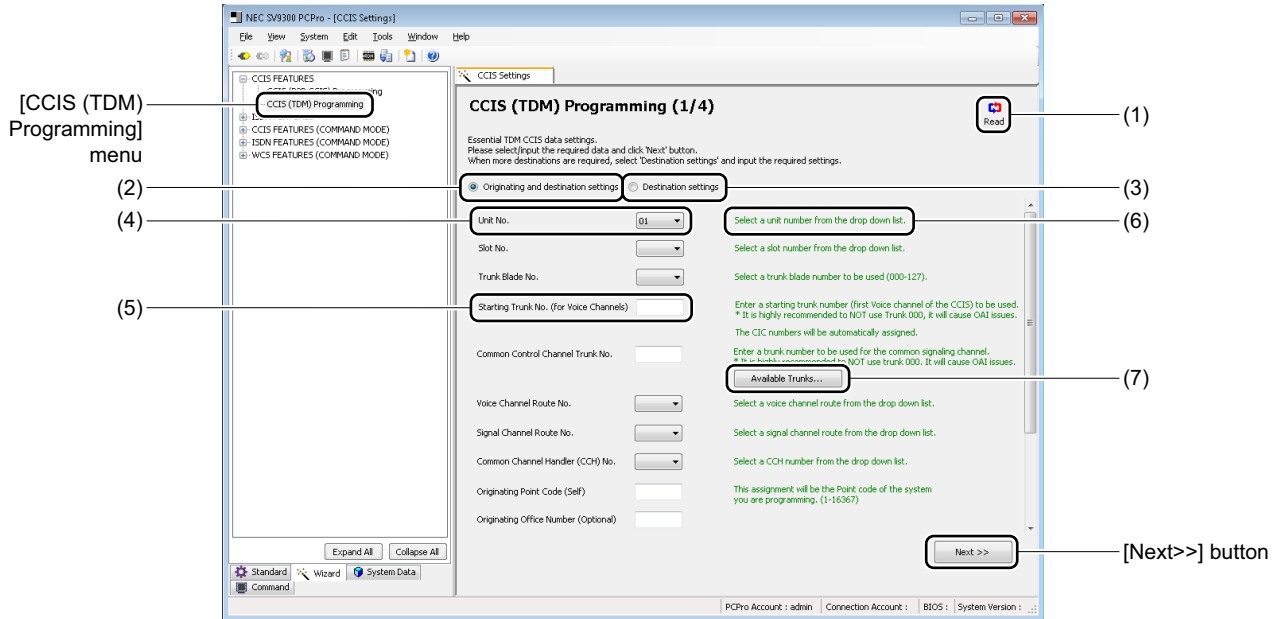
- (1) Essential Data Settings : Assign the essential data for CCIS (TDM) Programming with the [CCIS (TDM) Programming (1/4)] screen.
- (2) Numbering Plan Data Settings: Assign the numbering plan data with the [CCIS (TDM) Programming (2/4)] screen.
- (3) Optional Data Settings : Assign the optional data with the [CCIS (TDM) Programming (3/4)] screen.
- (4) System Data Registration : Register the assigned data to SV9300 with the [CCIS (TDM) Programming (4/4)] screen.


Tips: *Concerning the Setting Method*

When doing the following settings, assign the data according to the “explanation” and “setting values” described in the setting items on each screen.

STEP1: Click the [CCIS (TDM) Programming] menu from submenu of the [CCIS FEATURES] category.

The [CCIS (TDM) Programming (1/4)] screen is displayed in the work window.



No.	Item	Description
(1)	[Read] button	Click to read the data by focusing on the available data (available only in on-line mode).
(2)	[Originating and destination settings] radio button	Click to register the originating and destination data.
(3)	[Destination settings] radio button	Click to register the additional destination data.
(4)	Data selection pulldown menu	Click  to select data to be assigned for the following items. <ul style="list-style-type: none"> • Unit No. • Slot No. • Trunk Blade No. • Voice Channel Route No. • Signal Channel Route No. • Common Channel Handler (CCH) No. • Clock Source
(5)	Data Entry field	Enter the data to be assigned for the following items. <ul style="list-style-type: none"> • Starting Trunk No. (for Voice Channel) • Common Control Channel Trunk No. • Originating Point Code (Self) • Originating Office Number • Destination Point Code (Mate) * Only 0-9 (up to 4 digits) can be set for Originating Office Number.
(6)	Explanation field	Describes the set contents of each item.
(7)	[Available Trunks] button	Click to display the [List of Available Trunks] screen. This screen is used to confirm the available trunk number when assigning the Starting Trunk No.

Tips: *Reading Feature by Focusing on the Available Data*

- When launching the [CCIS (TDM) Programming (1/4)] screen, or clicking the [Read] button on the screen, you can read the data by focusing on the available data for the following fields. Because the only available data is displayed in each field, each data can be assigned easily.
 - Unit No.
 - Slot No.
 - Trunk Blade No.
 - Voice Channel Route No.
 - Signal Channel Route No.
 - Common Channel Handler (CCH) No.
 - Clock Source
 - When the Unit number is changed, the available Slot numbers and the Clock Source setting are automatically read.
- * This feature is available only in on-line mode.

STEP2: Click the [Read] button, if necessary.

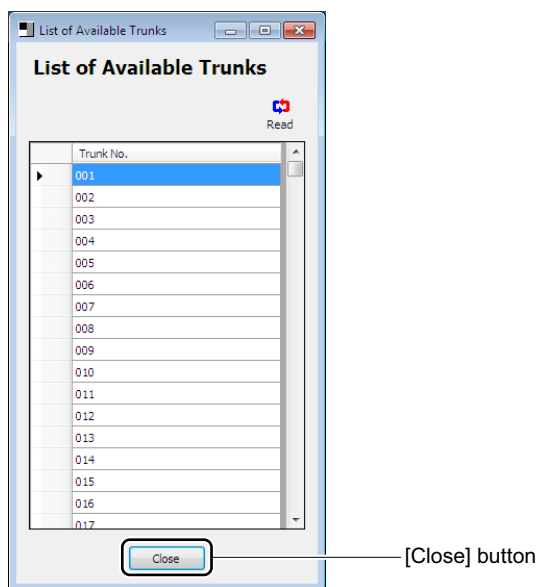
STEP3: Check the [Originating and destination settings] radio button or the [Destination settings] radio button.

- When the [Originating and destination settings] radio button is checked: Go to STEP4.
- When the [Destination settings] radio button is checked: Go to STEP6.

STEP4: Click the [Available Trunk] button.

The [List of Available Trunks] screen is displayed.

STEP5: Confirm the available trunk numbers, then click the [Close] button.



NOTE: *The list of available trunk numbers can be read only in on-line mode.*

STEP6: Set the necessary items, then click the [Next >>] button.
The [CCIS (TDM) Programming (2/4)] screen is displayed in the work window.

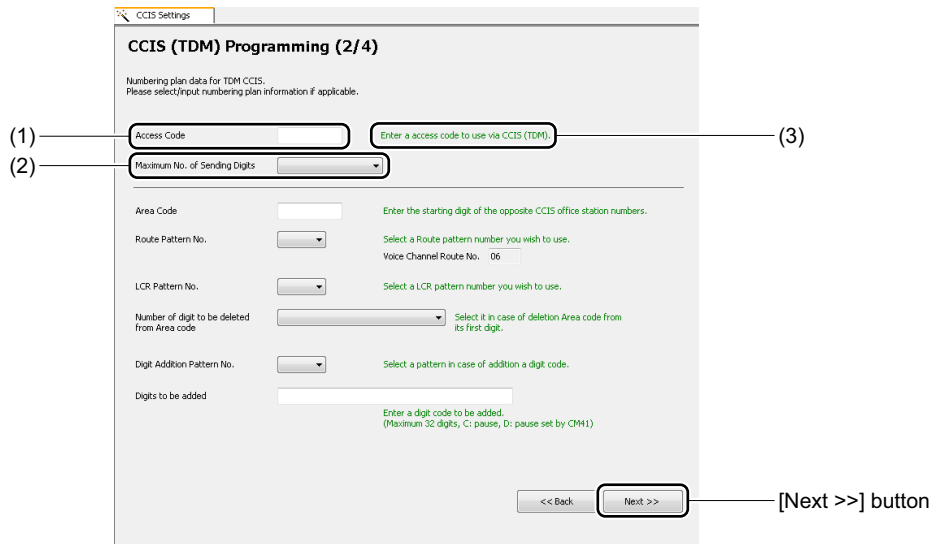
NOTE: *The entry conditions differ depending on the registration method specified by the STEP3. Set the data according to the entry conditions as shown the table below.*

×: Data entry/selection required, –: Random entry/selection

Setting Item	Entry Condition	
	When Setting Originating and Destination	When Setting Destination
Unit No.	×	(Unselectable)
Slot No.	×	(Unselectable)
Trunk Blade No.	×	(Unselectable)
Starting Trunk No. (for Voice Channel)	×	(No entry is available)
Common Control Channel Trunk No.	×	×
Voice Channel Route No.	×	×
Signal Channel Route No.	×	(Unselectable)
Common Channel Handler (CCH) No.	×	×
Originating Point Code (Self)	×	–
Originating Office Number	–	–
Destination Point Code (Mate)	–	×
Clock Source	–	(No entry is available)

Tips: ***A Starting Trunk Number Assignment**
Match the Starting Trunk No. (for Voice Channel) field with the available trunk numbers confirmed by the [List of Available Trunks] screen.
* In the CCIS (TDM) Programming, the 23 trunk numbers (for voice channel) are assigned in order from the Starting Trunk number.*

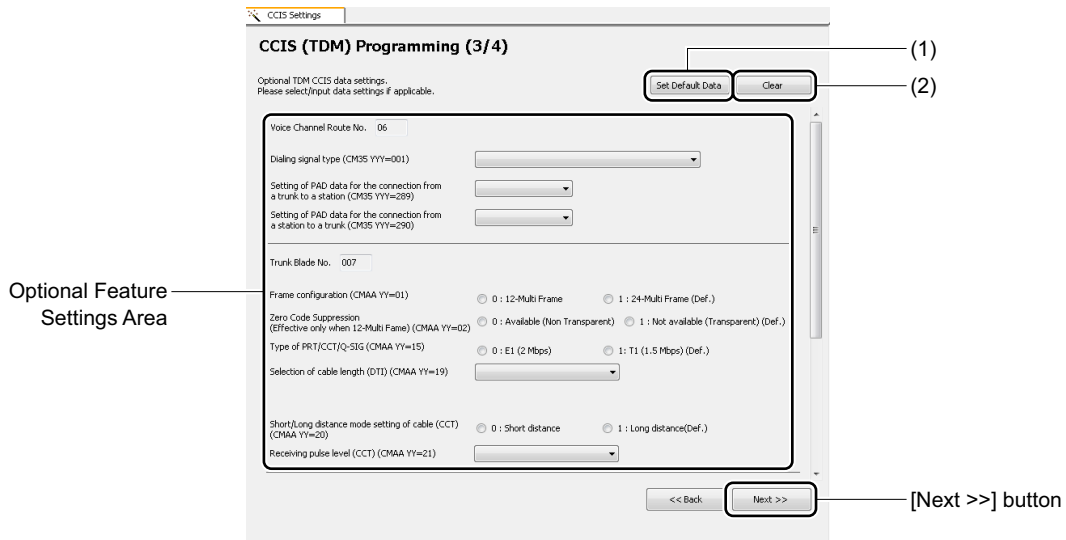
STEP7: When setting the Numbering Plan, set the necessary items, then click the [Next >>] button.



No.	Item	Description
(1)	Data Entry field	Enter the data to be assigned for the following items. <ul style="list-style-type: none"> • Access Code • Area Code • Digits to be added
(2)	Data selection pull-down menu	Click <input type="checkbox"/> to select data to be assigned for the following items. <ul style="list-style-type: none"> • Maximum No. of Sending Digits • Route Pattern No. • LCR Pattern No. • Number of digit to be deleted from Area Code
(3)	Explanation field	Describes the set contents of each item.

The [CCIS (TDM) Programming (3/4)] screen is displayed in the work window.

STEP8: Set the necessary items for the optional features, then click the [Next >>] button.
Set the data related to Voice Channel Route No., Trunk Blade No., Common Channel Handler (CCH) No. and the system (CM08) here.

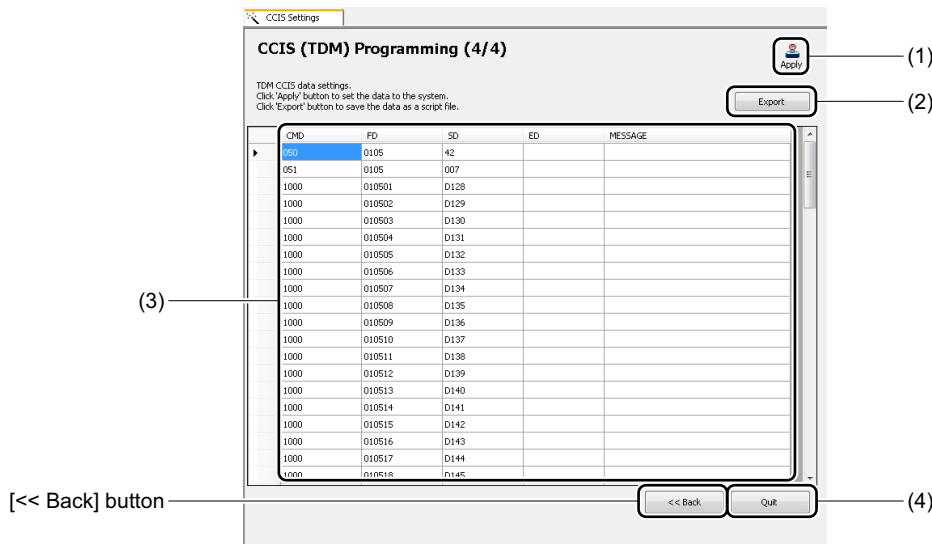


Tips: *When Applying Default Data*
To assign the default data for each setting item in the Optional Feature Settings Area, click the [Set Default Data] button, then click the [Next >>] button.

No.	Item	Description
(1)	[Set Default Data] button	Click to assign the default data for each item in the Optional Feature Settings Area.
(2)	[Clear] button	Click to clear the input data in the Optional Feature Settings Area.

The assigned data for CCIS (TDM) Programming is generated, and the [CCIS (TDM) Programming (4/4)] screen is displayed in the work window.

STEP9: Confirm the generated data, then click the [Apply] button.



No.	Item	Description	
(1)	[Apply] button	Click to write the generated data to the SV9300.	
(2)	[Export] button	Click to export the generated data to the script file.	
(3)	Setting Data Area	CMD field	Displays the command code and Y number assigned in the [CCIS (TDM) Programming] screen.
		FD field	Displays the first data of the command code assigned in the [CCIS (TDM) Programming] screen.
		SD field	Displays the second data of the command code assigned in the [CCIS (TDM) Programming] screen.
		ED field	Displays the command code-specific SV9300 response data assigned in the [CCIS (TDM) Programming] screen.
		Message field	Uses to edit the script file created by the export feature.
(4)	[Quit] button	Click to return the [CCIS (TDM) Programming (1/4)] screen.	

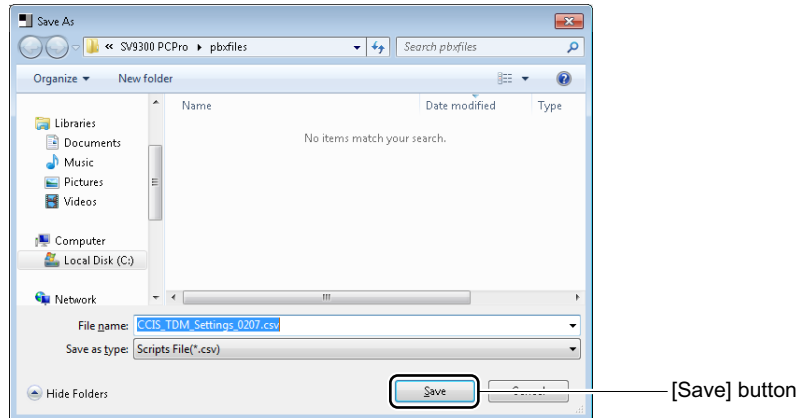
After clicking the [Apply] button, a dialog box is displayed to confirm the registration of the input data.

NOTE: The [Apply] button is effective only in on-line mode.

Tips: *Creating a Script File*

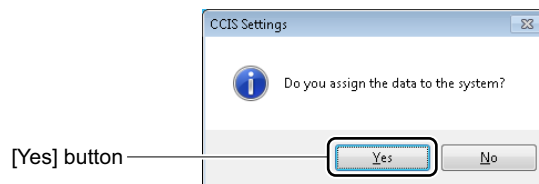
With the export feature, you can save the input data to a script file without registering to the system. The created script file can be used in off-line mode.

After clicking the [Export] button, the [Save As] screen is displayed. Specify the folder to which the script file is saved, then click the [Save] button.



** For the reading method of the script file, see “Script”. [Page 4-90](#)*

STEP10: Click the [Yes] button.



STEP11: Click the [Quit] button.

You are directed back to the [CCIS (TDM) Programming (1/4)] screen.

The CCIS (TDM) Programming has now been set.

[ISDN Features] Category

In the [ISDN Features] category, the ISDN PRI data can be set.

PRI Programming

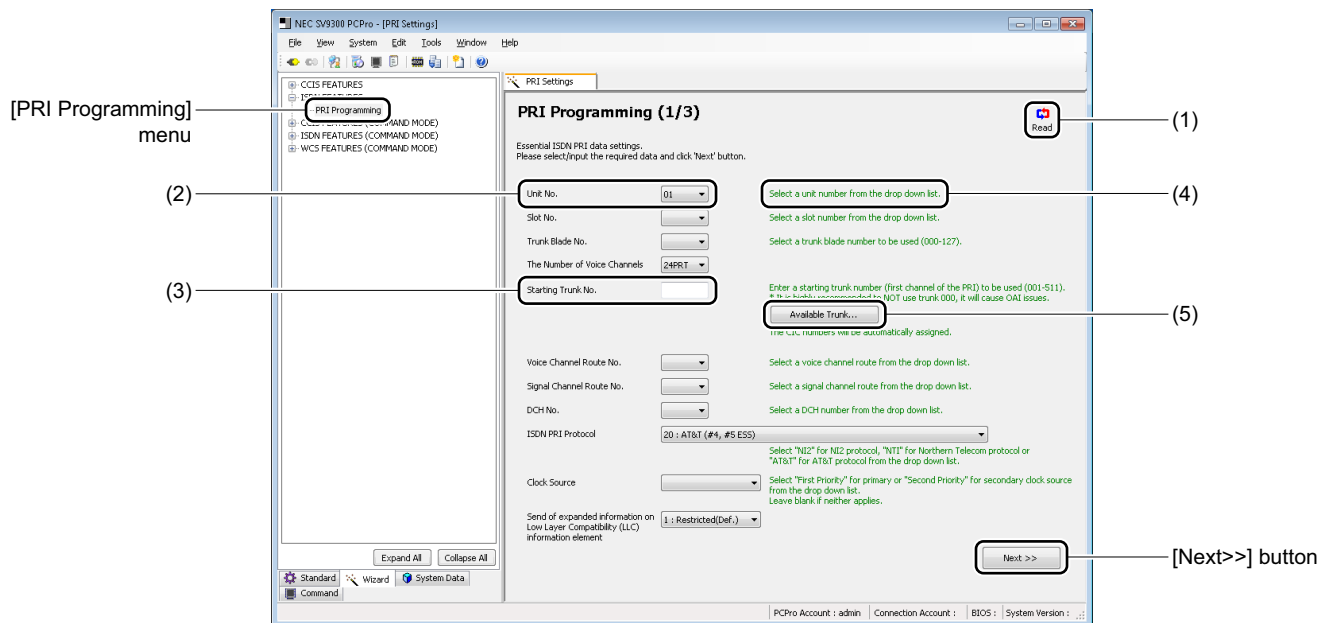
The ISDN PRI data can be set by the following procedures.


- (1) Essential Data Settings : Assign the essential data for PRI Programming with the [PRI Programming (1/3)] screen.
- (2) Optional Data Settings : Assign the optional data with the [PRI Programming (2/3)] screen.
- (3) System Data Registration: Register the assigned data to SV9300 with the [PRI Programming (3/3)] screen.

Tips: Concerning the Setting Method

When doing the following settings, assign the data according to the “explanation” and “setting values” described in the setting items on each screen.

STEP1: Click the [PRI Programming] menu from submenu of the [ISDN FEATURES] category. The [PRI Programming (1/3)] screen is displayed in the work window.



No.	Item	Description
(1)	[Read] button	Click to read the data by focusing on the available data (available only in on-line mode).
(2)	Data selection pull-down menu	Click  to select data to be assigned for the following items. <ul style="list-style-type: none"> • Unit No. • Slot No. • Trunk Blade No. • The Number of Voice Channels • Voice Channel Route No. • Signal Channel Route No. • DCH No. • ISDN PRI Protocol • Clock Source • Send of expanded information on Low Layer Compatibility (LLC) information element
(3)	Data Entry field	Enter the data to be assigned for the following items. <ul style="list-style-type: none"> • Starting Trunk No.
(4)	Explanation field	Describes the set contents of each item.
(5)	[Available Trunks] button	Click to display the [List of Available Trunks] screen. This screen is used to confirm the available trunk number when assigning the Starting Trunk number.

Tips: *Reading Feature by Focusing on the Available Data*

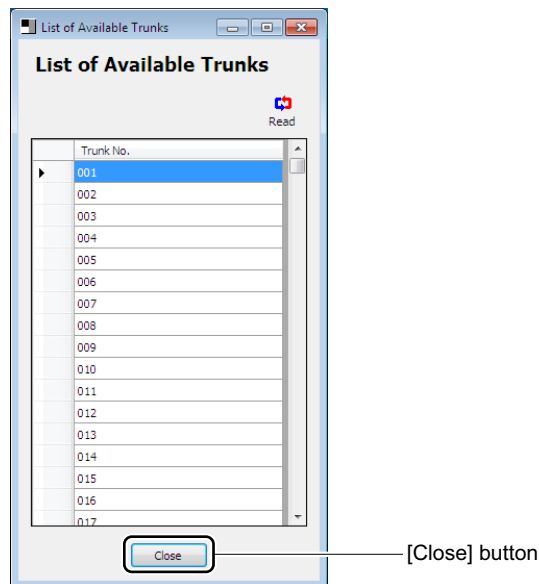
- *When launching the [PRI Programming (1/3)] screen, or clicking the [Read] button on the screen, you can read the data by focusing on the available data for the following fields. Because the only available data is displayed in each field, each data can be assigned easily.*
 - *Unit No.*
 - *Slot No.*
 - *Trunk Blade No.*
 - *Voice Channel Route No.*
 - *Signal Channel Route No.*
 - *DCH No.*
 - *Clock Source*
 - *When the Unit number is changed, the available Slot numbers and the Clock Source setting are automatically read.*
- * This feature is available only in on-line mode.*

STEP2: Click the [Read] button, if necessary.

STEP3: Click the [Available Trunk] button.

The [List of Available Trunks] screen is displayed.

STEP4: Confirm the available Trunk No. then click the [Close] button.



NOTE: *The list of available trunk numbers can be read only in on-line mode.*

STEP5: Set the necessary items, then click the [Next >>] button.

The [PRI Programming (2/4)] screen is displayed in the work window.

NOTE: *In the essential data settings for PRI Programming, set the data according to the entry conditions as shown the table below.*

×: Data entry/selection required, –: Random entry/selection

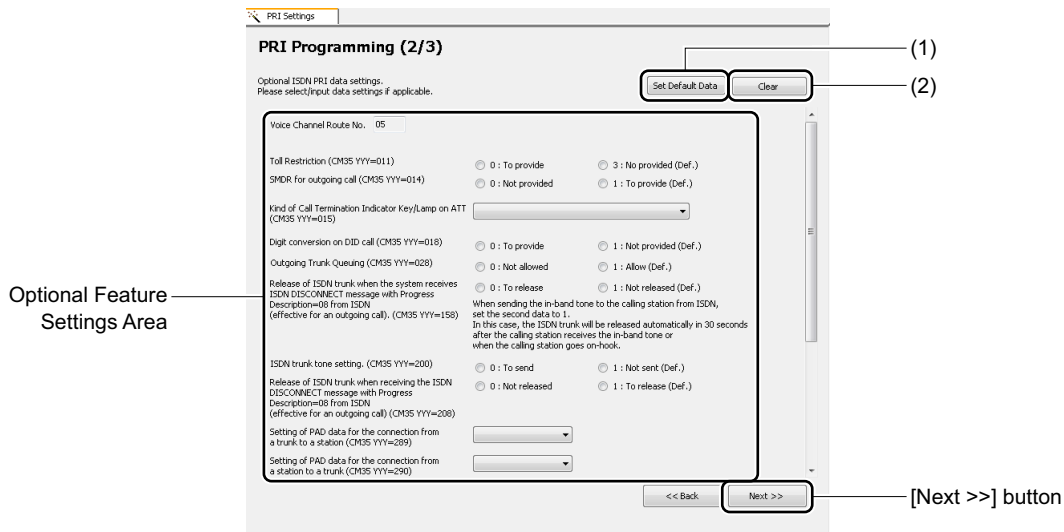
Setting Item	Entry Condition
Unit No.	×
Slot No.	×
Trunk Blade No.	×
The Number of Voice Channels	×
Starting Trunk No.	×
Voice Channel Route No.	×
Signal Channel Route No.	×
DCH No.	×
ISDN PRI Protocol	×
Clock Source	×
Send of expanded information on Low Layer Compatibility (LLC) information element	–

Tips: ***A Starting Trunk Number Assignment***

Match the Starting Trunk No. field with the available trunk numbers confirmed by the [List of Available Trunks] screen.

** In the PRI Programming, the 24 trunk numbers are assigned in order from the Starting Trunk number and the 24th trunk number is assigned to DCH number.*

STEP6: Set the necessary items for the optional features, then click the [Next >>] button.
Set the data related to Voice Channel Route No. and Trunk Blade No. here.



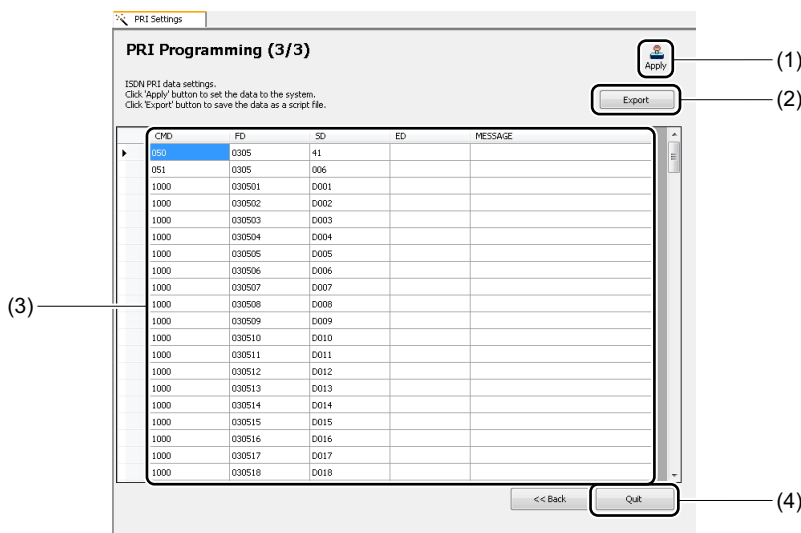
Tips: *When Applying Default Data*

To assign the default data for each setting item in the Optional Feature Settings Area, click the [Set Default Data] button, then click the [Next >>] button.

No.	Item	Description
(1)	[Set Default Data] button	Click to assign the default data for each item in the Optional Feature Settings Area.
(2)	[Clear] button	Click to clear the input data in the Optional Feature Settings Area.

The assigned data for PRI Programming is generated, and the [PRI Programming (3/3)] screen is displayed in the work window.

STEP7: Confirm the generated data, then click the [Apply] button.



No.	Item		Description
(1)	[Apply] button		Click to write the generated data to the SV9300.
(2)	[Export] button		Click to export the generated data to the script file.
(3)	Setting Data Area	CMD field	Displays the command code and Y number assigned in the [PRI Programming] screen.
		FD field	Displays the first data of the command code assigned in the [PRI Programming] screen.
		SD field	Displays the second data of the command code assigned in the [PRI Programming] screen.
		ED field	Displays the command code-specific SV9300 response data assigned in the [PRI Programming] screen.
		Message field	Uses to edit the script file created by the export feature.
(4)	[Quit] button		Click to return the [PRI Programming (1/3)] screen.

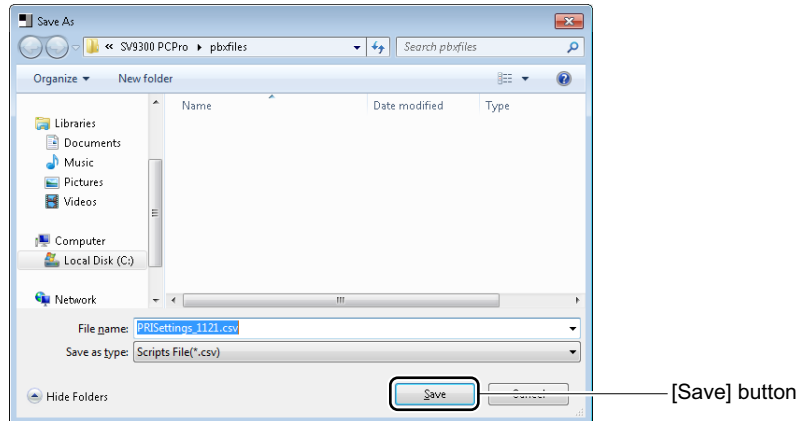
After clicking the [Apply] button, a dialog box is displayed to confirm the registration of the input data.

NOTE: The [Apply] button is effective only in on-line mode.

Tips: *Creating a Script File*

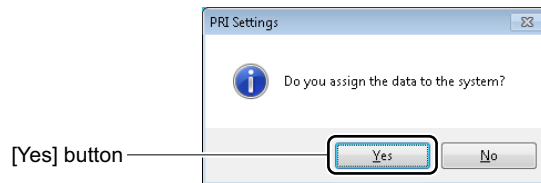
With the export feature, you can save the input data to a script file without registering to the system. The created script file can be used in off-line mode.

After clicking the [Export] button, the [Save As] screen is displayed. Specify the folder to which the script file is saved, then click the [Save] button.



** For the reading method of the script file, see “Script”. [Page 4-90](#)*

STEP8: Click the [Yes] button.



STEP9: Click the [Quit] button.

You are directed back to the [PRI Programming (1/3)] screen.

The PRI Programming has now been set.

[CCIS Features (Command Mode)] Category

In the [CCIS Features (Command Mode)] category, the following basic system data can be assigned.


- IPT (P2P CCIS) Basic Programming
- TDM Basic Programming [📄 Page 5-33](#)



IPT (P2P CCIS) Basic Programming

In the IPT (P2P CCIS) Basic Programming, assign the following system data according to the screen.

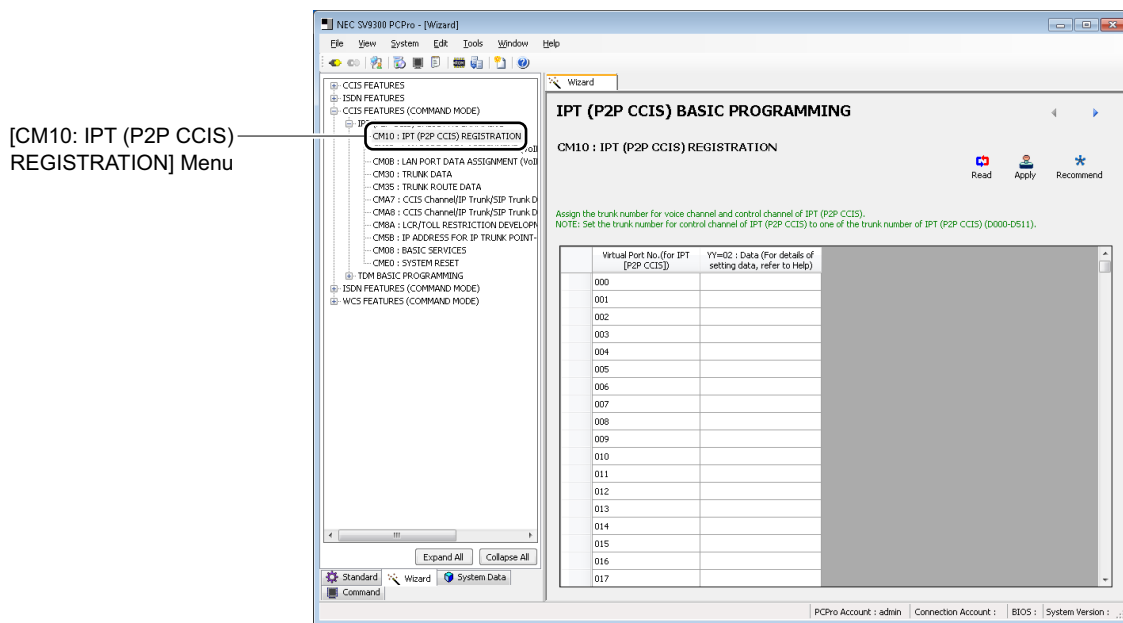
Menu Name	Setting Commands
IPT (P2P CCIS) Basic Programming	<ul style="list-style-type: none"> • CM10 : IPT (P2P CCIS) Registration • CM0B: LAN Port Data Assignment • CM30 : Trunk Data • CM35 : Trunk Route Data • CMA7: CCIS Channel/IP Trunk/SIP Trunk Data 1 • CMA8: CCIS Channel/IP Trunk/SIP Trunk Data 2 • CM8A: LCR/Toll Restriction Development Table • CM5B: IP Address for IP Trunk Point-to-Multipoint Connection • CM08 : Basic Services • CME0: System Reset

The setting procedures are as follows.

STEP1: Click  of the [IPT (P2P CCIS) BASIC PROGRAMMING] menu from submenu of the [CCIS FEATURES (COMMAND MODE)] category to expand the tree.

NOTE: Items marked by  /  will not invoke a setup screen when they are clicked.

STEP2: Click the [CM10: IPT (P2P CCIS) REGISTRARION] menu from the expanded tree view. The [CM10: IPT (P2P CCIS) REGISTRARION] screen is displayed.



STEP3: Click the [Read] button. The system data currently assigned to the SV9300 is displayed on the screen.

NOTE: The [Read] button is effective only when system data to be read exists.


STEP4: Set the necessary items.

Tips: *System Data Settings*

- When assigning system data, assign the system data with supplemental remarks and recommended values displayed on the setting screen of each command as a guide. In addition, click the [Recommend] button to change to the recommended value of the system data (effective only when recommended values exist).
- For details of the “IPT (P2P CCIS) Basic Programming”, refer to the “System Manual”.
- For details of each command, refer to the “Command Manual”.

STEP5: Click the [Apply] button. The assigned system data is written to the SV9300.



NOTE: Be sure to click the [Apply] button when the setting of system data is changed. The set contents will not be reflected unless clicked the [Apply] button.

STEP6: Click the  button.

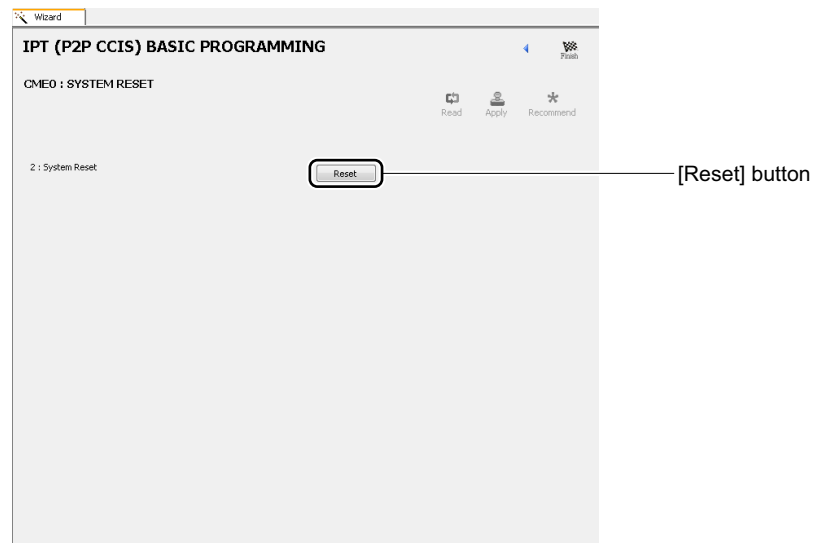
The [CM0B: LAN PORT DATA ASSIGNMENT (VoIP port)] screen is displayed.

STEP7: Also repeat the operations from STEP3 to STEP6 for the next [CM0B: LAN PORT DATA ASSIGNMENT (VoIP port)] menu to the [CM08: BASIC SERVICES] menu.

Tips: *Changing System Data*

When changing the setting of system data, display the setting screen of the command necessary to change by the   buttons, then assign the system data again (STEP3-STEP5).

STEP8: Click the [Reset] button on the [CME0: SYSTEM RESET] screen.



The system reset is executed.


The IPT (P2P CCIS) Basic Programming has now been set.



TDM Basic Programming

In the TDM Basic Programming, assign the following system data according to the screen.

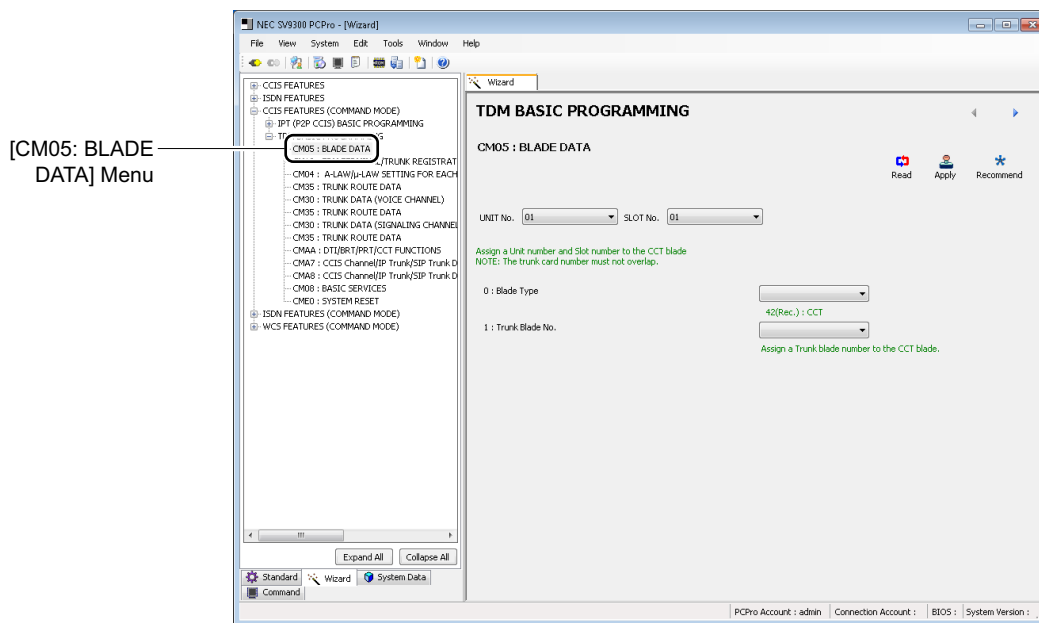
Menu Name	Setting Commands
TDM Basic Programming	<ul style="list-style-type: none"> • CM05 : Blade Data • CM10 : TDM Terminal/Trunk Registration • CM04 : A-Law/μ-law Setting for Each Unit, Destination to Receive the Synchronous Signal • CM35 : Trunk Route Data • CM30 : Trunk Data (Voice Channel) • CM35 : Trunk Route Data • CM30 : Trunk Data (Signaling Channel) • CM35 : Trunk Route Data • CMAA: DTI/BRT/PRT/CCT Functions • CMA7 : CCIS Channel/IP Trunk/SIP Trunk Data 1 • CMA8 : CCIS Channel/IP Trunk/SIP Trunk Data 2 • CM08 : Basic Services • CME0 : System Reset

The setting procedures are as follows.

STEP1: Click  of the [TDM BASIC PROGRAMMING] menu from submenu of the [CCIS FEATURES (COMMAND MODE)] category to expand the tree.

NOTE: *Items marked by  /  will not invoke a setup screen when they are clicked.*

STEP2: Click the [CM05: BLADE DATA] menu from the expanded tree view.
The [CM05: BLADE DATA] screen is displayed.



STEP3: Click the [Read] button.
The system data currently assigned to the SV9300 is displayed on the screen.

NOTE: *The [Read] button is effective only when system data to be read exists.*


STEP4: Set the necessary items.

Tips: *System Data Settings*

- *When assigning system data, assign the system data with supplemental remarks and recommended values displayed on the setting screen of each command as a guide. In addition, click the [Recommend] button to change to the recommended value of the system data (effective only when recommended values exist).*
- *For details of the “TDM Basic Programming”, refer to the “Programming Manual”.*
- *For details of each command, refer to the “Command Manual”.*

STEP5: Click the [Apply] button.
The assigned system data is written to the SV9300.



NOTE: *Be sure to click the [Apply] button when the setting of system data is changed. The set contents will not be reflected unless clicked the [Apply] button.*

STEP6: Click the  button.

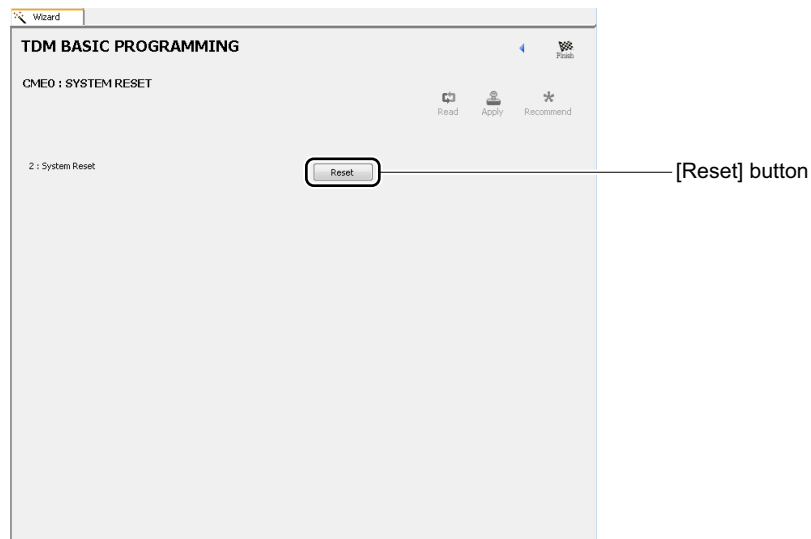
The [CM10: TDM TERMINAL/TRUNK REGISTRATION] screen is displayed.

STEP7: Also repeat the operations from STEP3 to STEP6 for the [CM10: TDM TERMINAL/TRUNK REGISTRATION] menu to the [CM08: BASIC SERVICES] menu.

Tips: *Changing System Data*

When changing the setting of system data, display the setting screen of the command necessary to change by the   buttons, then assign the system data again (STEP3-STEP5).

STEP8: Click the [Reset] button on the [CME0: SYSTEM RESET] screen.





The system reset is executed.

The TDM Basic Programming has now been set.

[ISDN Features (Command Mode)] Category

In the [ISDN Features (Command Mode)] category, the following basic system data can be assigned.


- Basic Programming (BRI)
- Basic Programming (PRI)  [Page 5-39](#)
- DID Addressing  [Page 5-42](#)



Basic Programming (BRI)

In the Basic Programming (BRI), assign the following system data according to the screen.

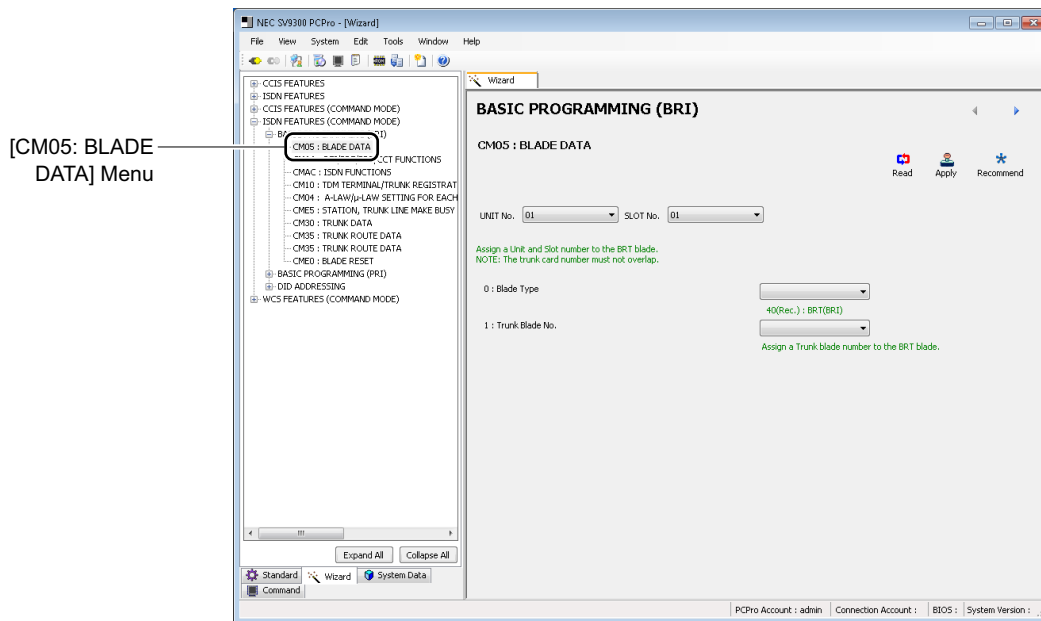
Menu Name	Setting Commands
Basic Programming (BRI)	<ul style="list-style-type: none"> • CM05 : Blade Data • CMAA: DTI/BRT/PRT/CCT Functions • CMAC: ISDN Functions • CM10 : TDM Terminal/Trunk Registration • CM04 : A-Law/μ-law Setting for Each Unit, Destination to Receive the Synchronous Signal • CME5 : Station, Trunk Line Make Busy • CM30 : Trunk Data • CM35 : Trunk Route Data • CME0 : Blade Reset

The setting procedures are as follows.

STEP1: Click  of the [Basic PROGRAMMING (BRI)] menu from submenu of the [ISDN FEATURES (COMMAND MODE)] category to expand the tree.

NOTE: Items marked by  /  will not invoke a setup screen when they are clicked.

STEP2: Click the [CM05: BLADE DATA] menu from the expanded tree view.
The [CM05: BLADE DATA] screen is displayed.



STEP3: Click the [Read] button.
The system data currently assigned to the SV9300 is displayed on the screen.

NOTE: The [Read] button is effective only when system data to be read exists.


STEP4: Set the necessary items.

Tips: *System Data Settings*

- When assigning system data, assign the system data with supplemental remarks and recommended values displayed on the setting screen of each command as a guide. In addition, click the [Recommend] button to change to the recommended value of the system data (effective only when recommended values exist).
- For details of the “Basic Programming (BRI)”, refer to the “Programming Manual”.
- For details of each command, refer to the “Command Manual”.

STEP5: Click the [Apply] button.
The assigned system data is written to the SV9300.



NOTE: Be sure to click the [Apply] button when the setting of system data is changed. The set contents will not be reflected unless clicked the [Apply] button.

STEP6: Click the  button.

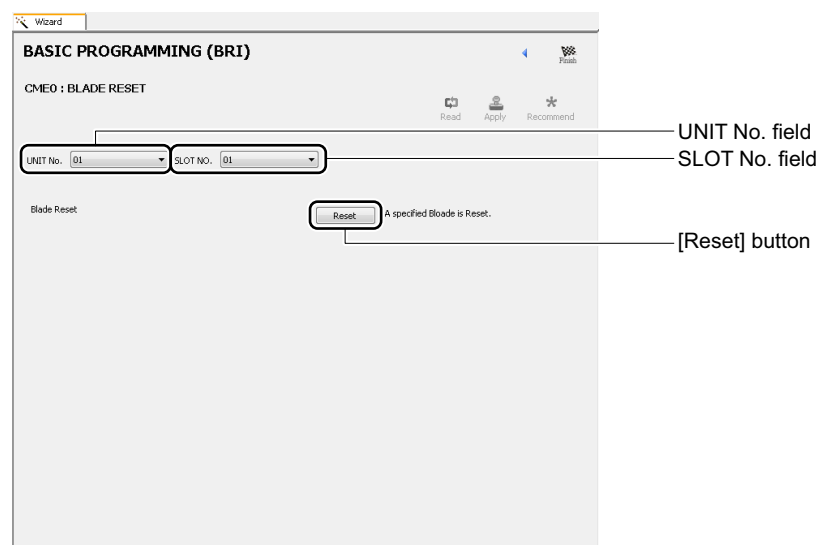
The [CMAA: DTI/BRT/PRT/CCT FUNCTIONS] screen is displayed.

STEP7: Also repeat the operations from STEP3 to STEP6 for the [CMAA: DTI/BRT/PRT/CCT FUNCTIONS] menu to the [CM35: TRUNK ROUTE DATA] menu.

Tips: *Changing System Data*

When changing the setting of system data, display the setting screen of the command necessary to change by the   buttons, then assign the system data again (STEP3-STEP5).

STEP8: Select the Unit No. and the Slot No. to be reset on the [CME0: BLADE RESET] screen, then click the [Reset] button.



The blade reset is executed.


The Basic Programming (BRT) has now been set.



Basic Programming (PRI)

In the Basic Programming (PRI), assign the following system data according to the screen.

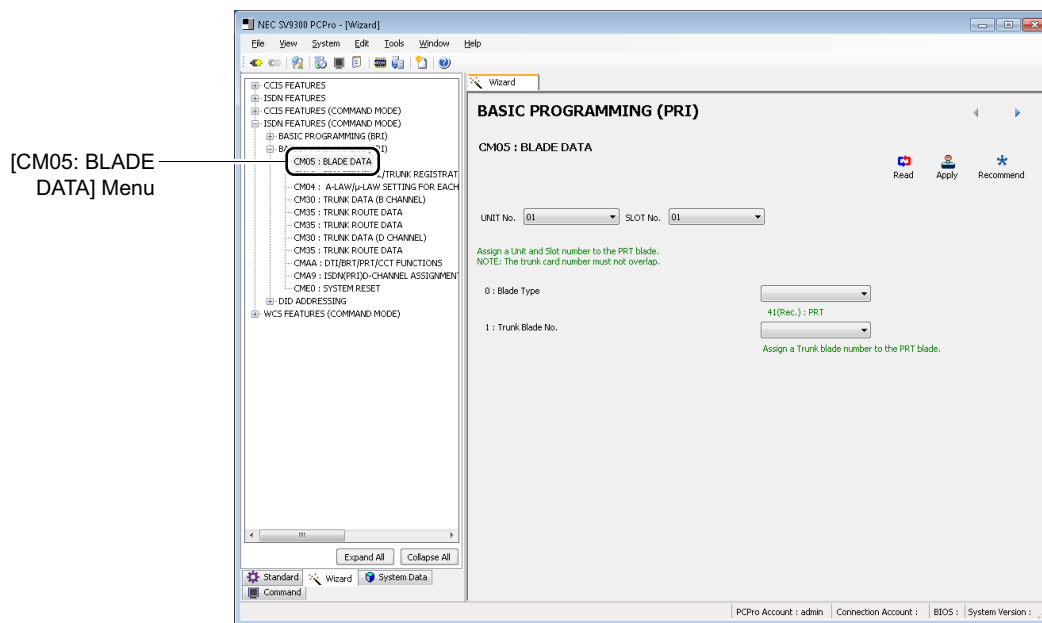
Menu Name	Setting Commands
Basic Programming (PRI)	<ul style="list-style-type: none"> • CM05 : Blade Data • CM10 : TDM Terminal/Trunk Registration • CM04 : A-Law/μ-law Setting for Each Unit, Destination to Receive the Synchronous Signal • CM30 : Trunk Data (B Channel) • CM35 : Trunk Route Data • CM30 : Trunk Data (D Channel) • CM35 : Trunk Route Data • CMAA: DTI/BRT/PRT/CCT Functions • CMA9 : ISDN (PRI) D-Channel Assignment • CME0 : System Reset

The setting procedures are as follows.

STEP1: Click  of the [BASIC PROGRAMMING (PRI)] from submenu of the [ISDN FEATURES (COMMAND MODE)] category to expand the tree.

NOTE: *Items marked by  /  will not invoke a setup screen when they are clicked.*

STEP2: Click the [CM05: BLADE DATA] menu from the expanded tree view.
The [CM05: BLADE DATA] screen is displayed.



STEP3: Click the [Read] button.
The system data currently assigned to the SV9300 is displayed on the screen.

NOTE: The [Read] button is effective only when system data to be read exists.


STEP4: Set the necessary items.

Tips: *System Data Settings*

- When assigning system data, assign the system data with supplemental remarks and recommended values displayed on the setting screen of each command as a guide. In addition, click the [Recommend] button to change to the recommended value of the system data (effective only when recommended values exist).
- For details of the “Basic Programming (PRT)”, refer to the “Programming Manual”.
- For details of each command, refer to the “Command Manual”.

STEP5: Click the [Apply] button.
The assigned system data is written to the SV9300.



NOTE: Be sure to click the [Apply] button when the setting of system data is changed. The set contents will not be reflected unless clicked the [Apply] button.

STEP6: Click the  button.

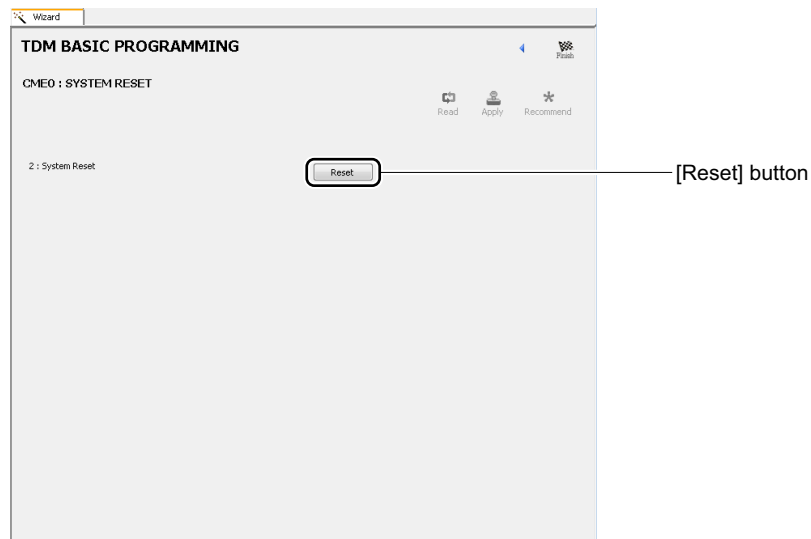
The [CM10: TDM TERMINAL/TRUNK REGISTRATION] screen is displayed.

STEP7: Also repeat the operations from STEP3 to STEP6 for the [CM10: TDM TERMINAL/TRUNK REGISTRATION] menu to the [CMA9: ISDN (PRI) D-CHANNEL ASSIGNMENT] menu.

Tips: *Changing System Data*

When changing the setting of system data, display the setting screen of the command necessary to change by the   buttons, then assign the system data again (STEP3-STEP5).

STEP8: Click the [Reset] button on the [CME0: SYSTEM RESET] screen.



The system reset is executed.


The Basic Programming (PRT) has now been set.



DID ADDRESSING

In the DID Addressing, assign the following system data according to the screen.

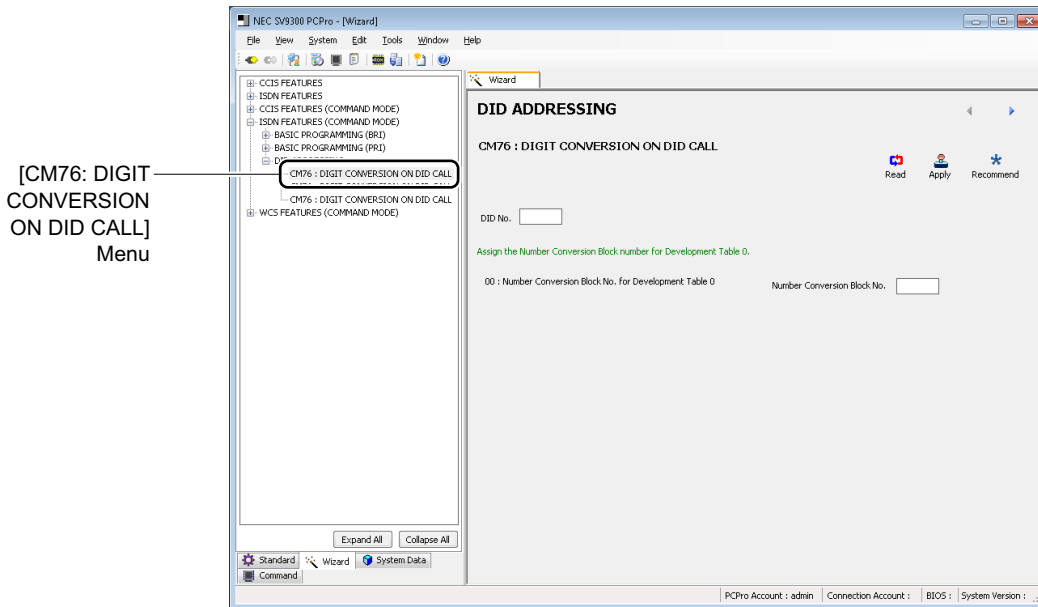
Menu Name	Setting Commands
DID Addressing	<ul style="list-style-type: none"> • CM76: Digit Conversion on DID Call

The setting procedures are as follows.

STEP1: Click  of the [DID ADDRESSING] from submenu of the [ISDN FEATURES (COMMAND MODE)] category to expand the tree.

NOTE: Items marked by  /  will not invoke a setup screen when they are clicked.

STEP2: Click the [CM76: DIGIT CONVERSION ON DID CALL] menu from the expanded tree view. The [CM76: DIGIT CONVERSION ON DID CALL] screen is displayed.



STEP3: Click the [Read] button.
 The system data currently assigned to the SV9300 is displayed on the screen.

NOTE: The [Read] button is effective only when system data to be read exists.

STEP4: Set the necessary items.


Tips: *System Data Settings*

- *When assigning system data, assign the system data with supplemental remarks and recommended values displayed on the setting screen of each command as a guide. In addition, click the [Recommend] button to change to the recommended value of the system data (effective only when recommended values exist).*
- *For details of the “DID Addressing”, refer to the “Programming Manual”.*
- *For details of each command, refer to the “Command Manual”.*

STEP5: Click the [Apply] button.

The assigned system data is written to the SV9300.



NOTE: *Be sure to click the [Apply] button when the setting of system data is changed. The set contents will not be reflected unless clicked the [Apply] button.*

STEP6: Click the  button.

The [CM76: DIGIT CONVERSION ON DID CALL] screen is displayed.

STEP7: Also repeat the operations from STEP3 to STEP6 for the rest of [CM76: DIGIT CONVERSION ON DID CALL] menus.


Tips: *Changing System Data*

When changing the setting of system data, display the setting screen of the command necessary to change by the   buttons, then assign the system data again (STEP3-STEP5).

The DID Addressing has now been set.

[WCS Features (Command Mode)] Category

In the [WCS Features (Command Mode)] category, the following basic system data can be assigned.

- Basic Programming
- PS Data Programming  [Page 5-47](#)



Basic Programming

In the Basic Programming, assign the following system data according to the screen.

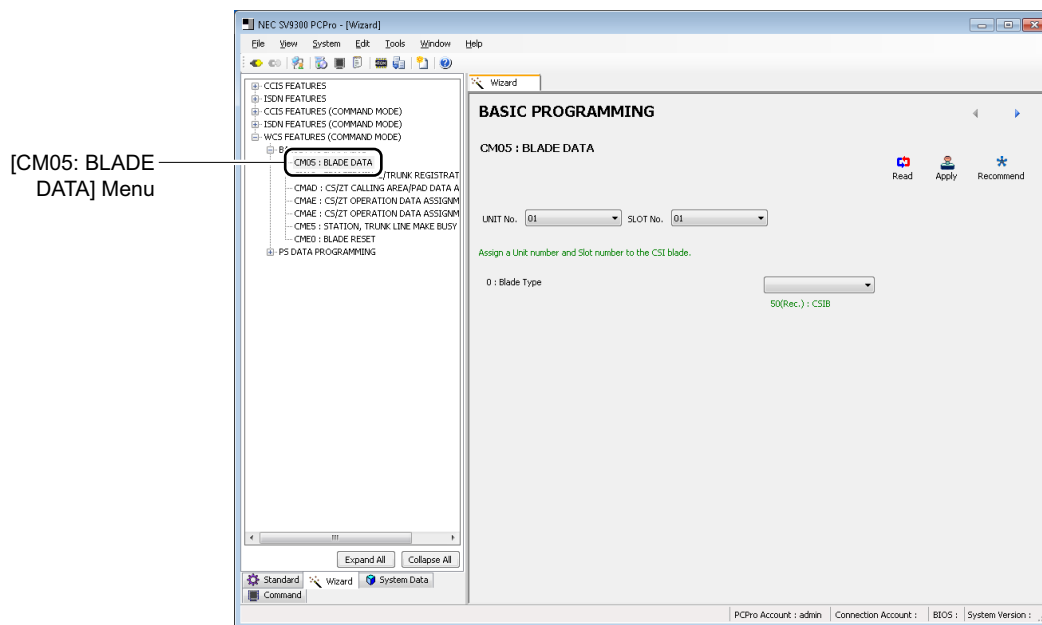
Menu Name	Setting Commands
Basic Programming	<ul style="list-style-type: none">• CM05 : Blade Data• CM10 : TDM Terminal/Trunk Registration• CMAD: ZT Calling Area/PAD Data Assignment• CMAE: ZT Operation Data Assignment• CME5 : CS/ZT Make Busy• CME0 : Blade Reset

The setting procedures are as follows.

STEP1: Click  of the [BASIC PROGRAMMING] menu from submenu of the [WCS FEATURES (COMMAND MODE)] category to expand the tree.

NOTE: *Items marked by  /  will not invoke a setup screen when they are clicked.*

STEP2: Click the [CM05: BLADE DATA] menu from the expanded tree view.
The [CM05: BLADE DATA] screen is displayed.



STEP3: Click the [Read] button.
The system data currently assigned to the SV9300 is displayed on the screen.

NOTE: The [Read] button is effective only when system data to be read exists.


STEP4: Set the necessary items.

Tips: *System Data Settings*

- When assigning system data, assign the system data with supplemental remarks and recommended values displayed on the setting screen of each command as a guide. In addition, click the [Recommend] button to change to the recommended value of the system data (effective only when recommended values exist).
- For details of the “Basic Programming”, refer to the “Programming Manual”.
- For details of each command, refer to the “Command Manual”.

STEP5: Click the [Apply] button.
The system data assigned are written to the SV9300.



NOTE: Be sure to click the [Apply] button when the setting of system data is changed. The set contents will not be reflected unless clicked the [Apply] button.

STEP6: Click the  button.

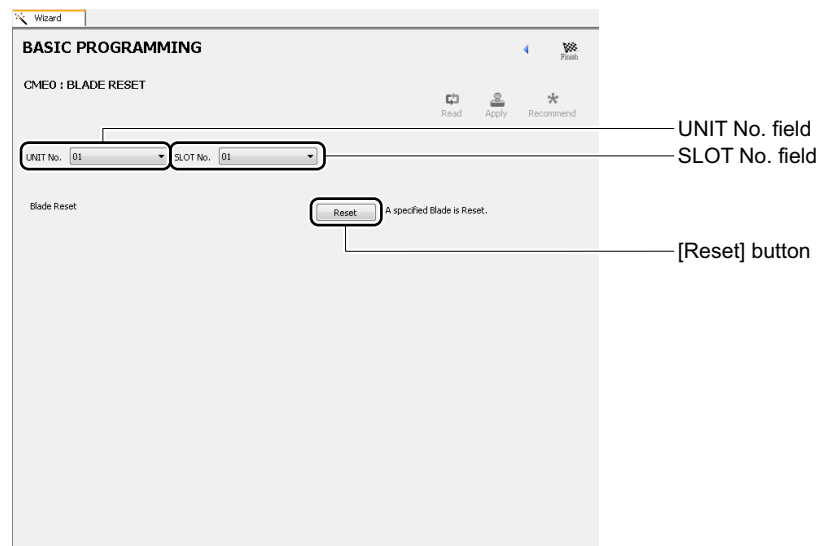
The [CM10: TDM TERMINAL/TRUNK REGISTRATION] screen is displayed.

STEP7: Also repeat the operations from STEP3 to STEP6 for the [CM10: TDM TERMINAL/TRUNK REGISTRATION] menu to the [CME5: STATION, TRUNK LINE MAKE BUSY] menu.

Tips: *Changing System Data*

When changing the setting of system data, display the setting screen of the command necessary to change by the   buttons, then assign the system data again (STEP3-STEP5).

STEP8: Select the Unit No. and the Slot No. to be reset on the [CME0: BLADE RESET] screen, then click the [Reset] button.



The blade reset is executed.


The Basic Programming has now been set.



PS Data Programming

In the PS Data Programming, assign the following system data according to the screen.

Menu Name	Setting Commands
PS Data Programming	<ul style="list-style-type: none"> • CM10: Wireless Terminal Registration • CM1D: PS-ID Assignment/PS Operation Data Download • CM12: Station Class-1 • CM15: Service Restriction Class A • CM41: System Timer Data

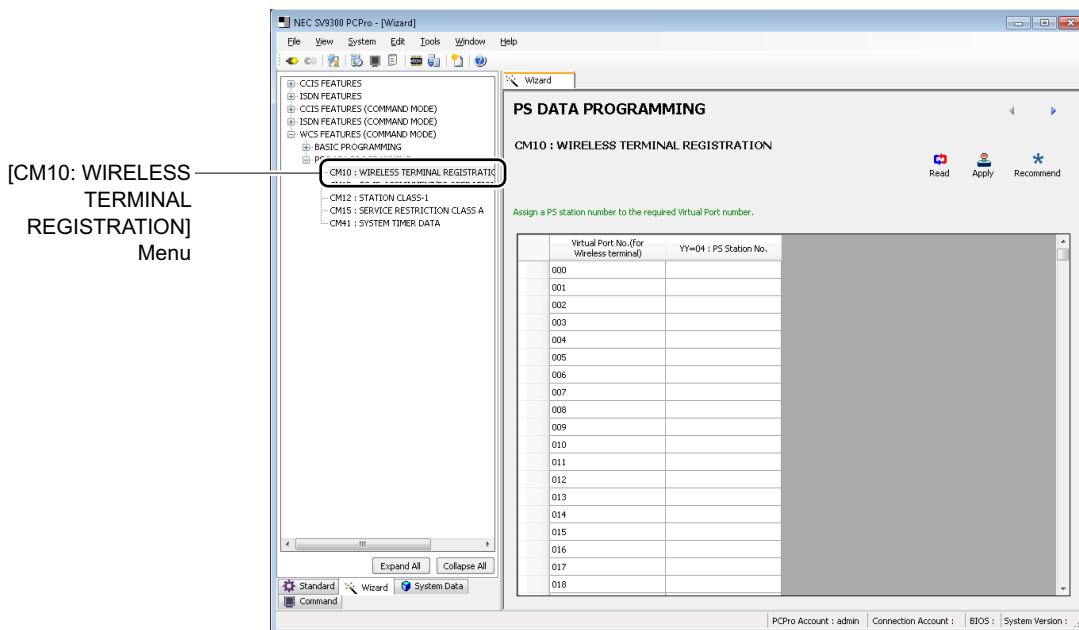
The setting procedures are as follows.

STEP1: Click  of the [PS DATA PROGRAMMING] menu from submenu of the [WCS FEATURES (COMMAND MODE)] category to expand the tree.

NOTE: Items marked by  /  will not invoke a setup screen when they are clicked.

STEP2: Click the [CM10: WIRELESS TERMINAL REGISTRATION] menu from the expanded tree view.

The [CM10: WIRELESS TERMINAL REGISTRATION] screen is displayed.



STEP3: Click the [Read] button.

The system data currently assigned to the SV9300 is displayed on the screen.

NOTE: *The [Read] button is effective only when system data to be read exists.*

STEP4: Set the necessary items.


Tips: *System Data Settings*

- *When assigning system data, assign the system data with supplemental remarks and recommended values displayed on the setting screen of each command as a guide. In addition, click the [Recommend] button to change to the recommended value of the system data (effective only when recommended values exist).*
- *For details of the “PS Data Programming”, refer to the “Programming Manual”.*
- *For details of each command, refer to the “Command Manual”.*

STEP5: Click the [Apply] button.

The assigned system data is written to the SV9300.



NOTE: *Be sure to click the [Apply] button when the setting of system data is changed. The set contents will not be reflected unless clicked the [Apply] button.*

STEP6: Click the  button.

The [CM1D: PS-ID ASSIGNMENT/PS OPERATION DATA DOWNLOAD] screen is displayed.

STEP7: Also repeat the operations from STEP3 to STEP6 for the [CM1D: PS-ID ASSIGNMENT/PS OPERATION DATA DOWNLOAD] menu to the [CM41: SYSTEM TIMER DATA] menu.

Tips: *Changing System Data*

When changing the setting of system data, display the setting screen of the command necessary to change by the   buttons, then assign the system data again (STEP3-STEP5).

The PS Data Programming has now been set.

System Data Mode

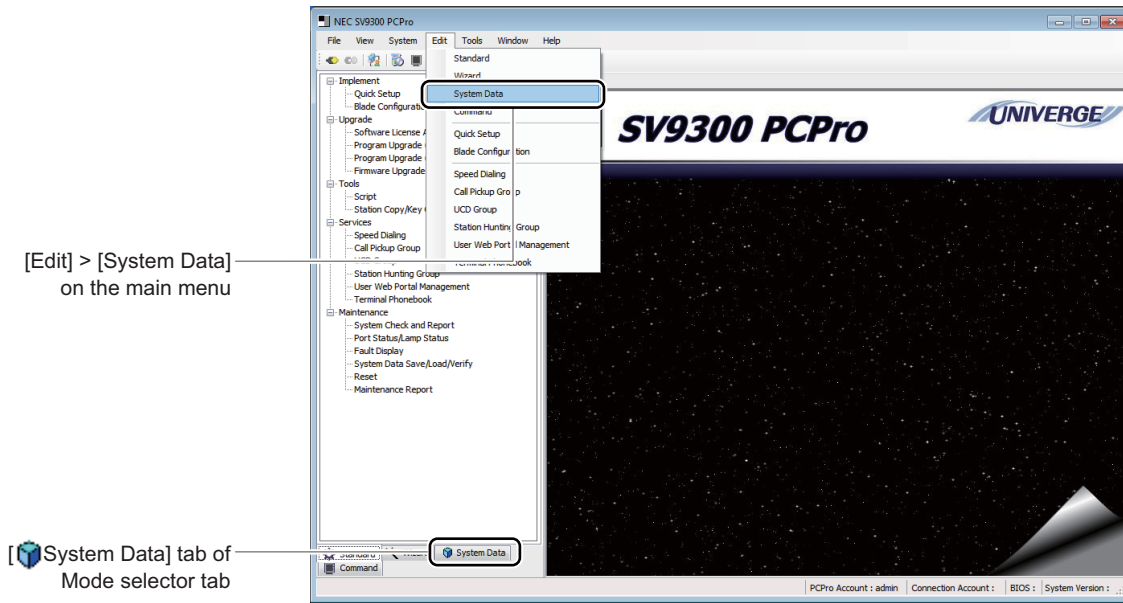
System Data Mode is suitable for configuring system data while confirming commands. This chapter explains how to switch to and use System Data Mode.

- Switching to System Data Mode
- Using System Data Mode

Switching to System Data Mode

You can switch the submenu view to System Data Mode in one of the following operations:


- Click mode selector tab [ System Data] tab.
- On the Main Menu, click [Edit] > [System Data] in this order.





Using System Data Mode

Configuring System Data

Follow instructions below to configure system data in System Data Mode.

STEP1: Click submenu  in System Data Mode to expand the tree and then click the appropriate command.


The system data registered in SV9300 is loaded, then an appropriate screen is displayed.

NOTE: *Items marked by  /  will not invoke a setup screen when they are clicked.*

STEP2: Click the [Read] button.

Enter a number used as a key, such as CM12 or 18, then click the [Read] button.

Tips 1: *Creating a Script File*

When clicking the [Read] button and loading the system data on the [System Data] screen, the read data is automatically stored in the following folder as the script file. This script files can be re-used by “Script” ( [Page 4-90](#)).

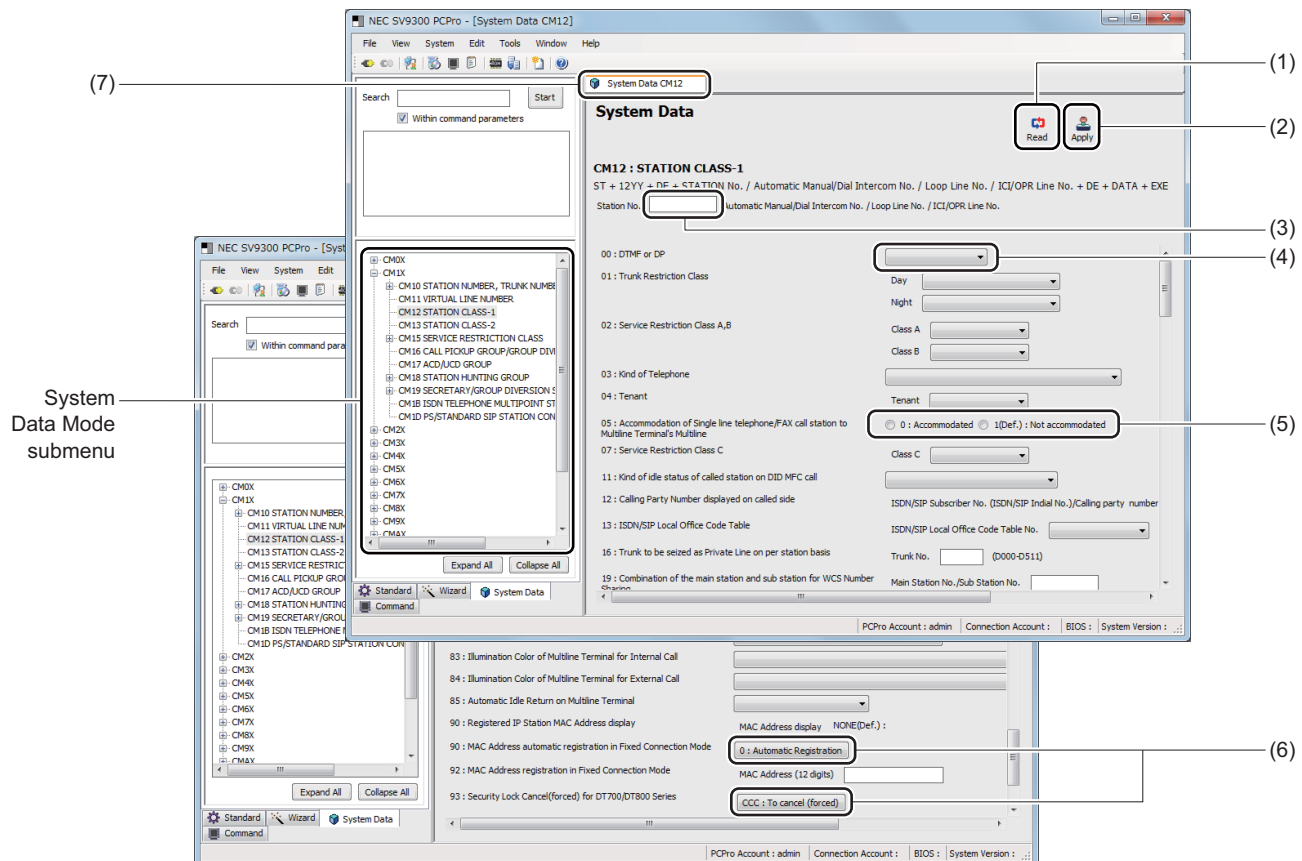
<install folder>\pbxfiles\systemdata\<<Name of Connection Accounts>


Tips 2: *Operations When Setting without Reading System Data*

Even if the system data is assigned without a reading operation by the [Read] button, you can register the editing data without making them ineffective by the following operations.

- 1. Click the [Apply] button after editing system data.*
- 2. Click the [Yes] button when the dialog box for the confirmation is displayed.*
- 3. When the differences between edited data and read data is displayed by blue color, confirm the changed contents, then click the [Apply] button again.*

STEP3: Set system data as needed.



No.	Item	Description
(1)	[Read] button	Click to read system data registered in the SV9300. This button is used to restore system data to the original settings.
(2)	[Apply] button	Click to write the set system data to the SV9300.
(3)	Data Entry field	Enter data to be set.
(4)	Data selection pulldown menu	Click  to select data to be set.
(5)	Data selection radio buttons	Check the data to be set.
(6)	Button	Click to run the functions of the SV9300.
(7)	Tab	The maximum number of the tab can be changed in the “Options”. For more details, refer “Environmental Setup”. Page 9-39

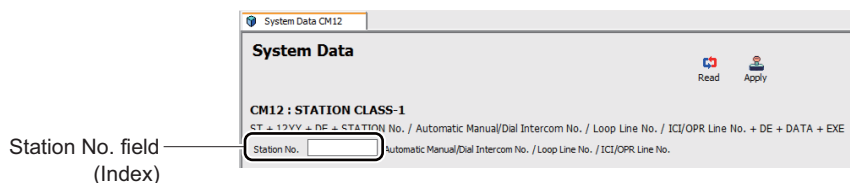
Tips: *Copying System Data for Each Index*

By doing the following operations, you can copy the system data settings which is included a index* in the screen to the another index of the same system data.

* A index means the fields to initially assign the data in the Station No. and the Trunk No. fields such as in CM12 and CM30.

Example: The setting procedures when copying the data assigned to the Station No. 1111 in CM12 to the Station No. 2222. are as follows.

1. Enter the Station No. 1111 in the Station No. field, then click the [Read] button.
The data assigned to the Station No. 1111 is read.



2. Enter the Station No. 2222 in the Station No. field, then click the [Apply] button.
3. After the confirmation dialog box is displayed, click the [Yes] button.
The data to be changed for the Station No. 2222 is displayed by the blue color.
4. Confirm the contents to be changed, then click the [Apply] button again.
The setting data is applied to the SV9300.

NOTE: The input data in a Data Entry field is displayed as right-aligned. Scroll the screen when entering the data or confirming the data assigned to the Data Entry field in which the data is not displayed on the right edge.

STEP4: Click [Apply] button.

NOTE: Be sure to click the [Apply] button after changes have been made to system data. The changes would not be reflected on the SV9300 without clicking the [Apply] button.

System data has now been set.

Searching for System Data Pertaining to Function Settings

You can search for a function name and set system data. Do as instructed below.

STEP1: Enter part of the function name in the Search Character Entry field in a submenu display.

- Character length : Up to 256 characters
- Alphabetical character: Upper case and lower case are searched as same characters.

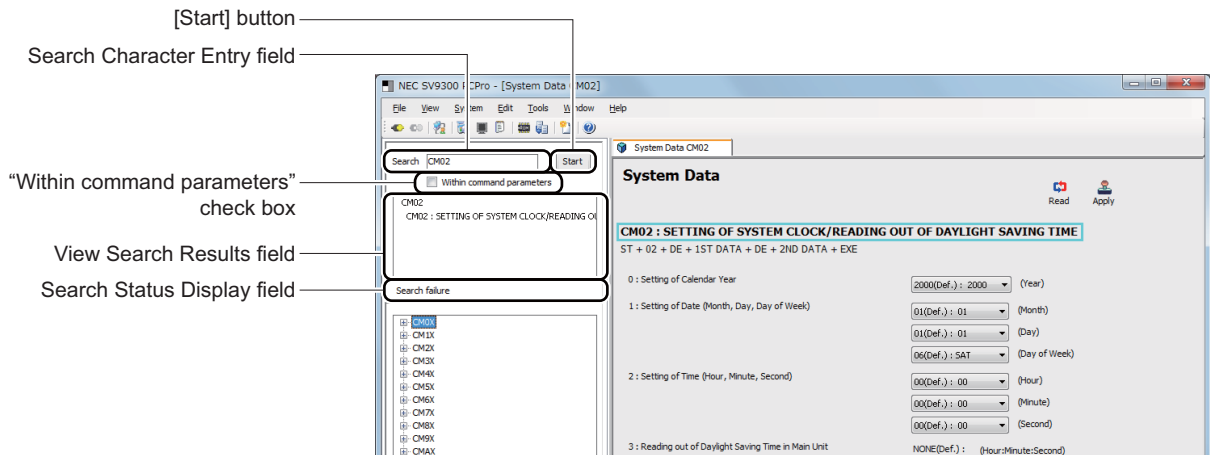
STEP2: Click the [Start] button.

A list of search results is displayed in the View Search Results field.

STEP3: Click an item to be set in the View Search Results field.

A screen for configuring the selected command is displayed.

* If a line of View Search Field is clicked, an appropriate part in the work window is displayed in boxed text with blue color as the following screen.



System data pertaining to a function setting has now been located.

For the subsequent course of operation, refer to STEP2 and STEP3, "Configuring System Data".

[Page 6-3](#)

Special System Data Entered in the System Data Mode

This section describes the description of special system data (CM05, 10, 20, 23, 49, 90, 97, 9A) entered in the System Data Mode.

■ CM05

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Blade Type	XX ZZ	XX : Unit No. (01-50) ZZ : Slot No. (01-18)	10	Digital Line Circuit Blade for Multiline Terminal/ DSS Console/DESKCON (GCD-8DLCA/GCD-8DLCA-A/GCD-16DLCA/ GCD-16DLCA-A)
				20	Analog Line Circuit Blade for Single Line Telephone (GCD-4LCF/GCD-8LCF)
				21	LLC (OPX) Blade (GCD-4DIOPA)
				30	C.O. Trunk Blade (GCD-4COTA/GCD-4COTB/ GCD-4COTB-A/GCD-4COTC/ GCD-4COTC-A)
				31	OD Trunk Blade (GCD-4ODTA)
				32	Direct Inward Dialing Trunk Blade (GCD-4DIOPA)
				33	LD Trunk Blade (GCD-4DIOPA)
				40	Basic Rate (2B + D) Interface Trunk Blade (GCD-2BRIA)
				41	ISDN Primary Rate (23B + D/ 30B + D) Interface Blade (GCD-PRTA)
				42	CCIS (1.5 Mbps/2 Mbps) Trunk Blade (GCD-CCTA)
				43	T1 (1.5 Mbps) Digital Trunk Interface Blade (GCD-PRTA)
				45	QSIG (GCD-PRTA)

Continued on next page

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Blade Type	XX ZZ	XX : Unit No. (01-50) ZZ : Slot No. (01-18)	47	E1 (2 Mbps) Digital Trunk Interface Blade (GCD-PRTA)
				60	ISDN Line Circuit Blade (GCD-2BRIA)
				70	In-Skin UMS Blade (GCD-VM00)
				71	Conference Blade (GCD- PVAA)
				73	Conference Blade (GCD-RGA) [9300V3]
				NONE◀	No data
1	Trunk Blade number			000	Trunk Blade number 000
				∟	∟
				127	Trunk Blade number 127
				NONE◀	No data
2	Number of Highway channel for ISDN Data Communication		XX : Unit No. (01-50) ZZ : Line/Trunk chassis No. (01-03) 01: Slot 01-06 02: Slot 07-12 03: Slot 13-18	01	Number of Highway channel for ISDN Data Communication
				∟	
				16	
				NONE◀	No data

■ CM10

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	TDM terminal/Trunk registration	XXYYZZ	Physical Port number XX: Unit number (01-50) YY: Slot number (01-18) ZZ: Circuit number (01-32)	X-XXXX XXXX	Single Line station number (1-8 digits) X: 0-9, A (*), B (#)
				D000 } D511	Trunk number (C.O./Tie Line, Paging, Radio Paging)
				E000 } E007	DESKCON number (0-7)
				E100 } E131	DSS Console number (00-31)
				EC00 } EC31	Add-on Module number
				EE3 XXX	Blade number of ZT Interface "XXX" represents ZT number (000-255).
				EFX } EF XXXX XXXX	ISDN line station number X-XXXXXXXXX represents ISDN line station number. X: 0-9, A (*), B (#)
				FX } F XXXX XXXX	Multiline Terminal station number X-XXXXXXXXX represents My Line number. X: 0-9, A (*), B (#)
				NONE◀	No data

Continued on next page

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
01	IP terminal registration	0000 ∟ 1535	Virtual Port number (for IP terminal)	FX	IP Station number X: 0-9, A (*), B (#)
				∟	
				F	
				XXXX	
				XXXX	
				E100	DSS Console number (00-31)
				∟ E131	
				EC00	Add-on Module number
				∟ EC31	
				EEC000	SIP Converter number
				∟ EEC127	
				NONE◀	No data
02	IPT (P2P CCIS) registration	000 ∟ 511	Virtual Port number (for IPT [P2P CCIS])	D000	Trunk No.
				∟ D511	
				NONE◀	No data
03	SIP trunk registration	XXYYY	Virtual Port number (for SIP trunk) XX : 01-50 (Unit No.) XXX: 000-127 (Port No. for voice channel)	D000	Trunk No.
				∟ D511	
				NONE◀	No data
04	Standard SIP station registration	XXX ∟ XXXX	Virtual Port number XXX-XXXX : 000-1023	X	Standard SIP station No. X: 0-9, A (*), B (#)
				∟ XXXX XXXX	
				NONE◀	No data

■ CM20

◀: Default

Y		ACCESS CODE		SETTING DATA	
No.	MEANING			DATA	MEANING
0	Numbering Plan Group 0	X	X: 0-9, A (*),	A004-A097	Page 6-12
1	Numbering Plan Group 1	?	B (#)	800-828	
2	Numbering Plan Group 2	XXXX		A100-A199	
3	Numbering Plan Group 3			A230-A277	
				A400-A649 [9300V8]	
			100-515		
			NONE◀	No data	
4	Single Digit Feature Access Code for BT connection	X	X: 0-9, A (*), B (#)	2 3 4 5 6 7 8 9 NONE◀	Call Back/Trunk Queuing-Outgoing Executive Override Camp On Call Waiting Message Reminder Set Step Call Message Waiting Record Voice Mail Transfer Single Digit Feature Access Code is not available
5	Single Digit Feature Access Code for RBT connection	X	X: 0-9, A (*), B (#)	1 2 6 8 9 NONE◀	Internal Tone/Voice Signaling (Voice Call-Multiline Terminal/Attendant) Call Back/Trunk Queuing-Outgoing Message Reminder Set Message Waiting Record Voice Mail Transfer Single Digit Feature Access Code is not available

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
A004	Outgoing Trunk Queueing/Call Back/Call Completion to Busy Subscriber (CCBS) Set [For EMEA]	When Outgoing Trunk Queueing, Call Back and Completion of Calls to Busy Subscriber (CCBS) share the same access code.
A005	Outgoing Trunk Queueing/Call Back/Call Completion to Busy Subscriber (CCBS) Cancel [For EMEA]	
A006	Executive Right of Way (Executive Override)	
A007	Camp-On by Station (Transfer method)	
A008	Call Park-System Set	For Single Line Station/Multiline Terminal/Attendant Console
A009	Call Park-System Retrieve	
A010	Call Forwarding-All Calls Set	
A011	Call Forwarding-All Calls Cancel	
A012	Call Forwarding-No Answer/Busy Line Set	CM20 Y=0-3: A012, A013 are used when Call Forwarding-No Answer and Busy Line share the same access code.
A013	Call Forwarding-No Answer/Busy Line Cancel	
A014	Call Forwarding-Busy Line Set	
A015	Call Forwarding-Busy Line Cancel	
A016	Call Forwarding-No Answer Set	
A017	Call Forwarding-No Answer Cancel	
A018	Call Forwarding-I'm here (Destination) Set	
A019	Call Forwarding-I'm here (Destination) Cancel	
A020	Call Pickup-Group	
A021	Call Pickup-Direct	
A022	Do Not Disturb Set	From station
A023	Do Not Disturb/Return Message Schedule Cancel	
A024	Wake Up Call/Timed Reminder Set	
A025	Wake Up Call/Timed Reminder Cancel	
A026	Wake Up Call/Timed Reminder Check	
A027	Wake Up Call Set from Predetermined Station (Single Wake Up time operation)	
A028	Wake Up Call Set from Predetermined Station (Multiple Wake Up time operation)	

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
A029	Maid Status	
A033	Monitor	
A034	Intra-office termination on Tandem connection	
A035	Intra-office termination on Tandem connection	DT Sending (Mark out System)
A037	Call Pickup-Designated Group	
A040	MW Lamp Control Set	
A041	MW Lamp Control Reset	
A043	Day Night Mode Change by Station Dialing	
A044	ACD/UCD Station Busy Out Set	
A045	ACD/UCD Station Busy Out Reset	
A046	Call Hold	
A047	TAS Answer A	
A048	TAS Answer B	
A049	TAS Answer C	
A050	TAS Answer D	
A051	TAS Answer E	
A058	Trunk Hold	
A059	Trunk Answer	
A062	Call Park-Tenant Set/Retrieve	For single line station/Multiline Terminal
A064	Station Speed Dialing Origination	
A065	Station Speed Dialing Entry	
A066	Station Speed Dialing Cancel	
A067	System Speed Dialing Origination	For 2-4 digits origination Maximum of 26 digits
A069	Last Number Redial	
A070	Paging Answer Zone 0	
A071	Paging Answer Zone 1	
A072	Paging Answer Zone 2	
A073	Paging Answer Zone 3	
A074	Paging Answer Zone 4	

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
A075	Paging Answer Zone 5	
A076	Paging Answer Zone 6	
A077	Paging Answer Zone 7	
A078	Paging Answer Zone 8	
A079	Paging Answer Zone 9	
A080	Speaker/Radio Paging Cancel (Delay Operation)	
A081	Individual Trunk Access	
A084	OAI Terminal Mode Set Facility (MSF)	
A085	Account Code	
A086	Authorization Code	
A087	Forced Account Code	
A088	Priority Call 0	These calls are routed to the operator.
A089	Priority Call 1	
A090	Special Operator Call 0	
A091	Special Operator Call 1	
A092	Special Operator Call 2	
A093	Special Operator Call 3	
A094	Emergency Call	
A095	Individual Attendant Access/Inter Position Transfer	
A097	Direct Data Entry	
800	Operator Call	

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
801	1 digit Station	Maximum of 6 digits station number should be assigned when providing PMS.
802	2 digits Station	
803	3 digits Station	
804	4 digits Station	
805	5 digits Station	
806	6 digits Station	
807	7 digits Station	
808	8 digits Station	
823	2-3 digits Station	
824	2-4 digits Station	
825	2-5 digits Station	
826	2-6 digits Station	
827	2-7 digits Station	
828	2-8 digits Station	
A100	Voice Response System Access Record	
A101	Voice Response System Access Replay	
A102	Voice Response System Access Delete	
A103	Announcement Service Record	
A104	Announcement Service Group 0 Replay	
A105	Announcement Service Group 1 Replay	
A106	Announcement Service Group 2 Replay	
A107	Announcement Service Group 3 Replay	
A108	Announcement Service Group 4 Replay	
A109	Announcement Service Delete	
A110	Name Display	For Multiline Terminal, Attendant Console
A113	Voice Message Waiting Service-System (Setting of station numbers to be sent)	
A114	Voice Message Waiting Service-Individual (Setting of station numbers to be sent)	
A115	Voice Message Waiting Service-System Record	
A116	Voice Message Waiting Service-System Replay	

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
A118	Voice Message Waiting Service-System Delete	
A119	Voice Message Waiting Service-System/Individual (Reset of station numbers to be sent)	
A120	Voice Message Waiting Service-System/Individual Retrieve	
A125	Call Waiting (Camp-On by station-Call Waiting Method)	
A126	LCR Group 0	
A127	LCR Group 1	
A128	LCR Group 2	
A129	LCR Group 3	Assign A129 only when the LCR Group access code is included in the area code table in CM8A (Closed Numbering).
A130	Internal Zone Paging Group 0	Paging Access
A131	Internal Zone Paging Group 1	
A132	Internal Zone Paging Group 2	
A133	Internal Zone Paging Group 3	
A134	Internal Zone Paging Group 4	
A135	Internal Zone Paging Group 5	
A136	Internal Zone Paging Group 6	
A137	Internal Zone Paging Group 7	
A138	Internal Zone Paging Group 0	Meet-me Answer
A139	Internal Zone Paging Group 1	
A140	Internal Zone Paging Group 2	
A141	Internal Zone Paging Group 3	
A142	Internal Zone Paging Group 4	
A143	Internal Zone Paging Group 5	
A144	Internal Zone Paging Group 6	
A145	Internal Zone Paging Group 7	
A146	Message Waiting/Message Reminder Search	
A147	Message Waiting/Message Reminder Retrieve	
A148	Message Reminder Set	
A149	Message Reminder Cancel	

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
A154	Return Message Schedule Set	Cancel Code: Set data A023.
A155	Day/Night Mode change, Attendant Lockout from DESK-CON	For DESKCON without MODE key
A156	Attendant Programming for Remote Access to System (DISA), System Speed Dialing, Date/Time Change and Tone Ringer Change from DESKCON	For DESKCON without PROG key
A157	FLF Authorization Code Recognition	
A158	Sending of Hooking Signal to C.O. line/Centrex from PB telephone	
A163	Voice Call/Ring Tone Programming	For Multiline Terminal
A164	All Zone Internal Paging	For calling
A165	Voice Message Waiting Service-Individual All Clear when the called station does not answer	
A170	Malicious Call Trace [Australia Only]	
A180	Split Call Forwarding-All Calls Set	
A181	Split Call Forwarding-All Calls Cancel	
A182	Split Call Forwarding-Busy Line/-No Answer Set	
A183	Split Call Forwarding-Busy Line/-No Answer Cancel	
A188	Whisper Page	
A189	Call Forwarding-Not Available Set	
A190	Call Forwarding-Not Available Cancel	
A191	Call Forwarding-Not Available Replay	
A192	Number Sharing Set from sub station	
A193	Number Sharing Cancel from sub station	
A194	Number Sharing Set from main station	
A195	Number Sharing Cancel from main station	
A196	Set Relocation	
A197	System Clock Setup by Station Dialing	
A198	Call Park-System Set which retrieved by dialing station number	
A199	Call Park-System Retrieve by dialing station number	
A230	Station Class change with Station Authorization Code	

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
A231	Station Authorization Code/Password Change	
A232	Pad Lock Set by Station Authorization Code	
A233	Pad Lock Reset by Station Authorization Code	
A234	Call Pickup-Group (Pilot)	
A239	IP Station Logout	
A241	Call Forwarding-Logout/Call Forwarding-PS Out of Cell (Zone)/Call Forwarding-Standard SIP station Off Hook/Power Off/Cable Pulled Out Set	
A242	Call Forwarding-Logout/Call Forwarding-PS Out of Cell (Zone)/Call Forwarding-Standard SIP station Off Hook/Power Off/Cable Pulled Out Cancel	
A243	System Speed Dialing origination (1-8 digits abbreviated Code: depends on CM42>77)	
A256	Mobility Access Mode Set (Trunk Access Code 1)	
A257	Mobility Access Mode Cancel	
A258	PS Location Search	For PS Location Display (Multiline Terminal LCD)
A259	Reverse Contrast on LCD	For available terminals, refer to CM13 Y=66.
A260	Do Not Disturb-Override/Call Forwarding-All Calls Override	
A261	Dual Ringing Set	
A262	Dual Ringing Cancel	
A263	Peer-to-Peer Connection for Station-to-Station Call with Standard SIP station Set	When the call is originated only with a station number (without Access Code), the RTP route set by CM15 Y=229 is applied.
A264	Peer-to-Peer Connection for Station-to-Station Call with Standard SIP station Cancel	
A267	Mobility Access Mode Set (Trunk Access Code 2)	
A268	Mobility Access Mode Set (Trunk Access Code 3)	
A269	Mobility Access Mode Set (Trunk Access Code 4)	

Continued on next page

SETTING DATA		REMARKS
DATA	MEANING	
A272	Power ON/OFF by Multiline Terminal Power Saving (for own tenant)	
A273	Power ON/OFF by Multiline Terminal Power Saving (for tenant specification)	
A274	Wake Up Call Set with Snooze [9300V3]	
A275	Malicious Call Set by Malicious Call number specification [9300V3]	
A276	Malicious Call Delete by Malicious Call number specification [9300V3]	
A277	Copy key data of Multiline Terminal [9300V4]	
A400 ∧ A649	Group Messaging by Access Code Dialing Pattern 000 ∧ Group Messaging by Access Code Dialing Pattern 249 [9300V8]	Set the Pattern No. of message that is delivered by Group Messaging by Access Code Dialing. Broadcast destination is to be assigned by CM57 Y=38.
100 ∧ 163	Trunk Route 00 ∧ Trunk Route 63	Data is to be assigned for Trunk Routes corresponding to the access codes for outgoing trunk calls (COT, LDT, ODT, etc.).
200 ∧ 231	Route Advance Block 00 ∧ Route Advance Block 31	Data is to be assigned in the following two cases; there are two or more trunk routes for outgoing call, and for determining the seizing order of the trunk route.
300 ∧ 323	Tenant Block 00 ∧ Tenant Block 23	Data is to be assigned when the purpose and method of the same access code varies with each tenant.
500 ∧ 515	Kind of Special Terminal Block 00 ∧ Kind of Special Terminal Block 15	Data is to be assigned when the purpose and method of the same access code varies with each special terminal (single line station).

■ CM23

◀: Default

Y		TENANT		SETTING DATA	
No.	MEANING			DATA	MEANING
00	Tenant Block 00	00	Tenant 00	A004	} Services (Refer to CM20 Page 6-11)
∟	∟	∟	∟	∟	
23	Tenant Block 23	63	Tenant 63	A097	
				800	
				∟	
				828	
				A100	
				∟	
				A199	
				100	Trunk Route 00
				∟	∟
				163	Trunk Route 63
				200	Route Advance Block 00
				∟	∟
				231	Route Advance Block 31
				NONE◀	No data

■ CM49

Y		VRS No./TENANT No.	SETTING DATA	
No.	MEANING		DATA	MEANING
00	Function of Voice Response System	XXX: VRS number (000-015)	01 XX	1st Answering Message of Automated Attendant XX: Message No. (00-63)
			02 XX	2nd Answering Message/Night Message of Automated Attendant XX: Message No. (00-63)
			03000	Night Announcement Service
			04 X Z	X: Announcement Service Group (0-4) Z: Announcement Service Message No. (0-9)
			05 XX	Message on Hold Service Transfer Trunk Line XX: Message No. (00-63)
			06 XX	Transferred Trunk Line Message Service (No Answer) XX: Message No. (00-63)

Continued on next page

Y		VRS No./TENANT No.	SETTING DATA	
No.	MEANING		DATA	MEANING
00	Function of Voice Response System	XXX: VRS number (000-015)	07 XX	Transferred Trunk Line Message Service (Busy) XX: Message No. (00-63)
			08 XX	Voice Message Waiting Service XX: Message No. (00-09)
			09	Voice Message Waiting Service-Individual
			0A00	Call Forwarding Intercept Announcement
			0B0 XX	First Announcement of ACD/UCD Delay Announcement (for incoming trunk call) XX: ACD/UCD Group No. (00-99)
			0B1 XX	First Announcement of ACD/UCD Delay Announcement (for Station call) XX: ACD/UCD Group No. (00-99)
			0C XX	Answering Message on Automatic Wake Up/Timed Reminder XX: Message No. (00-63)
			0D00	Announcement Service when the called station does not answer DID/Tie Line call
			0E00	Announcement Service when DID/Tie Line call terminates to busy station
			0F XX	Attendant Delay Announcement XX: Message No. (00-63)
			10	Announcement Service for OAI
			11 XX	Second Announcement of ACD/UCD delay announcement (for incoming trunk call) XX: ACD/UCD Group No. (00-99)
			12 XX	ACD/UCD Overflow Announcement XX: ACD/UCD Group No. (00-99)
13 XX	Announcement-PS/Standard SIP station No Answer XX: Message Group No. (00-63)			

Continued on next page

◀: Default

Y		VRS No./TENANT No.	SETTING DATA	
No.	MEANING		DATA	MEANING
00	Function of Voice Response System	XXX: VRS number (000-015)	15 XX	Announcement-PS Out of Cell (Zone)/ Power Off/-Standard SIP station Off Hook/Power Off/Cable Pulled Out XX: Message Group No. (00-63)
			16 XX	Multi-connection Announcement Service for OAI XX: Message Group No. (02-63)
			17 XX	Voice Guide XX: Message No. (00-63)
			1800	Announcement Service for Queue Limit for TAS/Overflow for TAS Queue
			1900	Restriction Announcement for Wake Up call
			21 XX	Announcement Service for Call Forwarding-Logout (IP Station) XX: Message Group No. (00-63)
			2200	Announcement Service for the rejected calling number information
			2300	Restriction announcement for an incoming call with calling party number
			24 XX	VRS Waiting Message (1st/2nd) XX: VRS Waiting Message No. (00-63)
			2500	Guide announcement when setting Wake Up Call/Timed Reminder [9300V3]
			2600	Answering announcement for Wake Up Call with Snooze [9300V3]

Continued on next page

◀: Default

Y		VRS No./TENANT No.	SETTING DATA	
No.	MEANING		DATA	MEANING
01	Message No. of 1st Answering Message of Automated Attendant	00-63: Tenant No Tenant No. of transferring station should be set.	00-63 NONE◀	Message No. assigned by CM49 Y=00 No data
02	Message No. of 2nd Answering Message/Night Message of Automated Attendant			
05	Message No. of Hold Service			
06	Message No. of Transferred Trunk Line (No Answer)			
07	Message No. of Transferred Trunk Line (Busy)			
08	Message No. of Automatic Wake Up/Timed Reminder			
0A	Message No. of Attendant Delay Announcement			
10	Message Group No. of PS/Standard SIP station No Answer			
12	Message Group No. of PS/Out of Cell (Zone)/Power Off/Standard SIP station Call Forwarding-Not Available			
13	Message No. of Voice Guide	00: When Message Reminder is set 01: When service is set 02: When service is canceled 03: When Call Forwarding-All Calls/Do Not Disturb is set	00-63 NONE◀	Message No. assigned by CM49 Y=00 (Not available for IP Station) No data
14	Message Group of Call Forwarding- Logout (IP Station) Announcement service	00-63: Tenant No.	00-63 NONE◀	Message No. assigned by CM49 Y=00 No data

■ CM90

Multiline Terminal

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	X ∟ XXXXXXXX	Station number • My Line number (FX-FXXXXXXXX) • Multiline number (Ordinary Station) • Multiline number (assigned by CM11) X: 0-9, A (*), B (#)
		A000 ∟ A031 A100 ∟ A131	Automatic Intercom number
		A200 ∟ A700 A201 ∟ A701 ∴ A224 ∟ A724	Manual Intercom number
		B000 ∟ B900 B001 ∟ B901 ∴ B024 ∟ B924	Dial Intercom number

Continued on next page

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	AA01 ∟ AA05 AA11 ∟ AA15 ∴ AA71 ∟ AA75	Loop Line number for Multiline Terminal Attendant Position AAX Z X: Multiline Terminal Attendant Position No. (0-7) Z: Loop Line No. (1-5)
		AB00 ∟ AB99	ICI/OPR Line number for Multiline Terminal Attendant Position number
		D000 ∟ D511	Trunk number
		F0XXX	Service access code <u>XXX</u> 004: OG Queuing/Call Back (OQ/CB)/Call Completion to Busy Subscriber (CCBS) Set/Cancel [For EMEA]
			006: Executive Right of Way (EROW) (Executive Override)
			010: Call Forwarding-All Calls Set/Cancel (FDA)
			012: Call Forwarding-No Answer/Busy Line Set/Cancel (FDB/N)
			016: Call Forwarding-No Answer Set/Cancel (FDN)
			018: Call Forwarding-Destination Set (FDDS) 019: Call Forwarding-Destination Cancel (FDDC)
			020: Call Pickup-Group (PICK)
			021: Call Pickup-Direct (DPICK)
			022: Do Not Disturb Set/Reset (DND)
			024: Automatic Wake Up (WU)/Timed Reminder
			026: Automatic Wake Up (WU)/Timed Reminder check
	027: Wake Up Call set from predetermined station (Single Wake Up time operation) (SWU)		

Continued on next page

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	F0XXX	Service access code <u>XXX</u>
			028: Wake Up Call set from predetermined station (Multiple Wake Up time operation) (MWU)
			029: Maid Status
			033: Monitoring
			040: Message Waiting Lamp Set (MWS) 041: Message Waiting Lamp Reset (MWR)
			044: ACD/UCD Busy out (UCDB)
			046: Call Hold (CHLD)
			047: TAS Answer A (TASA) 048: TAS Answer B (TASB) 049: TAS Answer C (TASC) 050: TAS Answer D (TASD) 051: TAS Answer E (TASE)
			058: <input type="text" value="Hold"/> (HOLD) for Trunk Line Appearance
			059: Trunk Answer
			067: System Speed Dialing (2-4 digits)
			069: Last Number Redial (LAST)
			085: Account Code (ACC)
			097: Direct Data Entry
			100: Trunk Route 00 ? ?
			163: Trunk Route 63
			200: Route Advance 00 ? ?
			231: Route Advance 31
			300: Operator Call (OPR)
			A25: Call Waiting (CW)
A26: LCR Group 0 A27: LCR Group 1 A28: LCR Group 2			
A46: Call History screen start ◀ <input type="text" value="Message"/>			

Continued on next page

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	F0XXX	Service access code <u>XXX</u> A70: Malicious Call Trace [Australia Only]
			A80: Split Call Forwarding-All Calls Set/Cancel A82: Split Call Forwarding-Busy Line/No Answer Set/Cancel
A88: Whisper Page			
A94: Number Sharing Set/Cancel			
A97: System Clock Setup by Station Dialing			
A98: Call Park-System Set which retrieved by dialing station number			
B34: Call Pickup-Group (Pilot)			
B39: IP Station Logout			
B43: System Speed Dialing origination (4 digits/1-8 digits abbreviated Code)			
B51: Connection between Soft Phone and PS			
B54: Restriction of additional participants to conference Set/Cancel			
B56: Mobility Access Mode Set/Cancel			
B58: PS Location Search			
B61: Dual Ringing Set/Cancel			
B74: Wake Up Call with Snooze [9300V3]			
00	Setting of Functions	F1XXX	Multiline Terminal operation <u>XXX</u> 000: Stack Dial ◀ [Redial] 001: Save & Repeat (1) (S&R1) 002: Voice Call (VOICE) 004: Hooking ◀ [Transfer] (TRF)
			005: Message Waiting Lamp/Message Reminder (MW/MR)
			007: DTMF Additional Dial (Programmable) (PBPRG)

Continued on next page

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	F1XXX	Multiline Terminal operation <u>XXX</u>
			008: DTMF Additional Dial (Fixed Width) (PBIX)
			009: Hooking Signal sent to outside (SHF)
			010: ◀ [Hold] (HOLD)
			011: ◀ [Feature]
			012: [Conf] (CNF)
			013: Save & Repeat (2) (S&R2)
			014: Save & Repeat (3) (S&R3)
			015: ◀ [Recall] (RECALL)
			016: ◀ [Speaker] (SPKR)
			017: [MIC] (MIC) Use as a one-touch mute key
			020: Release key (RLS)
			032: OAI Function Key 0 ?
			047: OAI Function Key 15
			058: QoS Display on IP Station
064: Do Not Disturb (HDND)			
065: Room Cutoff (HRC)			
066: Message Waiting (HMW)			
067: Wake Up (HWU)			
068: Check In (CK-IN)			
069: Room Status (RSTS)			
070: Call Record (REC)			
071: Print Out (PRINT)			
072: Group (GROUP)			
073: Details (DETAL)			
074: Set (SET)			
075: Reset (RESET)			
076: Cancel (CNL)			
077: Release (HRLS)			
079: Language (Hotel Console)			
080: Do Not Disturb Override (DNDOV)/Call Forwarding-All Calls Override			
085: Voice Message Waiting Service Individual Set when called station is no answer or busy			
090: Headset/Handset Key			

Continued on next page

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	F1XXX	Multiline Terminal operation <u>XXX</u> 091: Record (Voice Mail Live Record) 092: Pause (Voice Mail Live Record) 093: Re-record (Voice Mail Live Record) 094: End (Voice Mail Live Record) 095: Erase (Voice Mail Live Record)
			098: Voice Mail Key (Destination of CM51 Y=15)
			099: Select Key of Calling Number Display or Calling Name Display
		F11XX	00: Station Speed Dialing 00 (SPD00) ∟ ∟ 99: Station Speed Dialing 99 (SPD99)
		F12XX	01: Trunk Group 01 Busy Lamp (TGB01) ∟ ∟ 62: Trunk Group 62 Busy Lamp (TGB62)
			70: Internal Zone Paging Group 0 (PG0) ∟ ∟ 77: Internal Zone Paging Group 7 (PG7)
			99: All Zone Internal Paging
		F13XX	00: Day/Night Mode change by Tenant 00 ∟ ∟ 63: Day/Night Mode change by Tenant 63
			64: Permission/Restriction of Remote Maintenance
		F15XX	ACD/UCD Group Number Busy Lamp XX: ACD/UCD Group No. (00-99)
			99: All Zone Internal Paging
		F16XX	00: Event Occurrence Notice Button 01 ∟ ∟ 63: Event Occurrence Notice Button 64
F17XX	00: Multiline Terminal Power Saving - Tenant 00 ∟ ∟ 63: Multiline Terminal Power Saving - Tenant 63		
F3XXZ	Call Park-Tenant (CP001-CP638) XX: Group Number (00-63) Z : Serial Number (1-8)		

Continued on next page

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	F40XX	00: TAS Answer on Tenant 00 (ANS00) 01: TAS Answer on Tenant 01 (ANS01) ◀ Answer ? ? 63: TAS Answer on Tenant 63 (ANS63)
		F41XX	00: Pooled Line Number 00-Tenant 00/ Trunk Route 00 (POL00) ? ? 63: Pooled Line Number 63-Tenant 63/ Trunk Route 63 (POL63)
		F5000	Call Park-System (CPSY)
		F5001	Transfer to VMS
		F5010	Caller ID Display
		F5011	Call Redirect for transferring to station
		F5012	Call Redirect for transferring to VMS
		F5013	Mute Key
		F5015	Scroll Directory ◀ Directory
		F5020	Alarm Display
		F5024	Live Monitoring
		F5025	Emergency Notification
		F5026	Record (Voice Mail Live Record-CCIS)
		F5027	End (Voice Mail Live Record-CCIS)
		F5028	Play (Voice Mail Live Record-CCIS)
		F5030	Scroll down to change a row which displays twofold font on LCD (available for Multiline Terminals with LCD except D ^{term} /D ^{term} IP)
F5031	Scroll up to change a row which displays twofold font on LCD (available for Multiline Terminals with LCD except D ^{term} /D ^{term} IP)		
F5033	Reverse Contrast on LCD (available for Multiline Terminals with non-color LCD except D ^{term} /D ^{term} IP)		
F5034	Linkage with Smart device (Connection)		

Continued on next page

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Setting of Functions	F5035	Linkage with Smart device (Path)
		F5036	Security
		F51XX	00: One Touch Group Messaging Group 00 ? ? 63: One Touch Group Messaging Group 63 [9300V5]
		F6010 ? F6017	Call Termination from FX Line 0 (FX0) ? Call Termination from FX Line 7 (FX7)
		F6020 ? F6027	Call Termination from WATS Line 0 (WATS0) ? Call Termination from WATS Line 7 (WATS7)
		F6030 ? F6037	Call Termination from CCSA Line 0 (CCSA0) ? Call Termination from CCSA Line 7 (CCSA7)
		F7XXZ	Relay Control Function Key XX: Relay Group No. (00-31) assigned by CM44 Z : Circuit No. (0-3) assigned by CM44 312, 313: External Relay Interface of CPU blade
		01	Multiline Terminal ringing tone by Day Mode/Night Mode	0	Day Mode: No ringing/Night Mode: Ringing
1	Day Mode: Ringing/Night Mode: No ringing		
2	Day Mode: No ringing/Night Mode: No ringing		
3◀	Day Mode: Ringing/Night Mode: Ringing		
02	Ringing sending method when terminating a call to Line/Trunk key on Multiline Terminal	0	Delayed Ringing
		1◀	No Delayed Ringing
03	Call Indicator Lamp control	0	Not available
		1◀	Available (The lamp lights on call termination or recall.)
04	Group Feature Key	0	To provide
		1◀	Not provided
05	Calling Number Display when an incoming call is terminated to the subline or TAS of Multiline Terminal [9300V3]	0	Not displayed
		1◀	To display

Continued on next page

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
09	Copy of Multiline Terminal key assignment	X ? XXXXXXXXX NONE ◀	Copied Station number (Digital Multiline Terminal and IP Multiline Terminal Only) No data
10	Key setting of programmable pattern 1	—	Same as CM90 Y=00
14	Setting of Message number for One-Touch Group Messaging [9300V5]	00 ? 63 NONE ◀	Message number for One-Touch Group Messaging No data
90	Read the number of Line Keys for Multiline Terminal (Only display)	XX NONE ◀	The Number of Line Keys Logout Status/ Disconnected/ Non-Multiline Terminal

SN716 DESKCON

- DESKCON Call Selection Key

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS
No.	MEANING				
00	Setting of Functions	F6000 ∩ F6007	C.O. Incoming Call 0 (LDN0) ∩ C.O. Incoming Call 7 (LDN7)	LDN0	
		F6010 ∩ F6017	Call Termination from FX Line 0 (FX0) ∩ Call Termination from FX Line 7 (FX7)		
		F6020 ∩ F6027	Call Termination from WATS Line 0 (WATS0) ∩ Call Termination from WATS Line 7 (WATS7)		
		F6030 ∩ F6037	Call Termination from CCSA Line 0 (CCSA0) ∩ Call Termination from CCSA Line 7 (CCSA7)		
		F6040 ∩ F6047	Tie Line Incoming Call 0 (TIE0) ∩ Tie Line Incoming Call 7 (TIE7)	TIE0	
		F6050 ∩ F6053	Special Operator Call 0 (SPA0) ∩ Special Operator Call 3 (SPA3)		
		F6054	Priority Call 0 (PRI0)		
		F6055	Priority Call 1 (PRI1)		
		F6056	Emergency Call (EMGC)		
		F6060	Operator Call (ATND)	ATND	
		F6061	Recall (RCL)	RCL	
		F6062	Serial Call Termination (SRL)		
		F6063	Call Forwarding-No Answer (NANS)	NANS	
		F6064	Call Forwarding-Busy Line (BUSY)	BUSY	
		F6065	Call Forwarding-Intercept (ICPT)		
		F6066	Off-Hook Alarm (EMG)		

Continued on next page

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS
No.	MEANING				
00	Setting of Functions	F6067	Attendant Interposition Calling/Transfer (TF) (Transferred DESK CONSOLE Answer Key/lamp)		
		F6068	Call Forwarding-No Answer for a call which is transferred to another station once		

• DESKCON Function Key

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS
No.	MEANING				
00	Setting of Functions	F6100	Room Cutoff (RC)	For Hotel DESKCON • Use the ANSWER key as the SET key for Hotel features.	
		F6101	Message Waiting (MW)		
		F6102	Do Not Disturb (DND)		
		F6103	Wake Up/Do Not Disturb Override (WU/OV)/Call Forwarding-All Calls Override		
		F6104	Reset (RESET)		
		F6105	Serial Call Set (SC)		
		F6106	Flash over trunk (CAS) (SHF)		
		F6107	Busy Verification (BV)	BV	
		F6108	Do Not Disturb Override (DNDOV)/Call Forwarding-All Calls Override		For Hotel DESKCON • Do not assign this data to key numbers 1 to 4.
		F6109	Wake Up (WU)		
		F6110	Mode (MODE)		Day/Night mode change, ATT Lockout
		F6111	Programming (PROG) • Remote Access to System (DISA) • Memory Allocation for Called Party Numbers • Date and Time • Tone Ringer		
		F6112	Out pulse (PB signal) short (SPB)		
F6113	Out pulse (PB signal) long (LPB)				

Continued on next page

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS
No.	MEANING				
00	Setting of Functions	F6120	Malicious Call Trace [Australia Only]		
		F6121	Last Number Redial		
		F6122	Select Key of Calling Number Display or Calling Name Display		
		F6123	Transfer to VMS		
		F6124	Emergency Notification		
		F6144	Call Park-System		
		F6150 ∩ F6159	Paging 0 ∩ Paging 9	PAGE0	
		F6200	Source (SRC)	SRC	
		F6201	Destination (DEST)	DEST	
		F6202	Cancel (CANCEL)	CANCEL	
		F6203	Talk (TALK)	TALK	
		F6204	Hold (HOLD)	HOLD	
		F6205	Start (START)		
		F6240 ∩ F6245	Loop 1 (LOOP 1) ∩ Loop 6 (LOOP 6)	LOOP 1 ∩ LOOP 6	
		F6252	Answer (ANSWER)	ANSWER	
		F6253	Release (RELEASE)	RELEASE	
		F1201 ∩ F1262	Lamp indication when trunks are all busy in Trunk Group 01 (TGB01) ∩ Lamp indication when trunks are all busy in Trunk Group 62 (TGB62)		Maximum 6 keys per DESKCON
		F7XXZ	XX Z XX : Relay Group No. (00-31) assigned by CM44 Z : Circuit No. (0-3) assigned by CM44 312, 313: External Relay Interface of CPU blade		Relay Control Function Key

• DESKCON Multi-Function Key No. 01-04

Y No.	DESKCON STATUS No.	MEANING	SETTING DATA	FUNCTION	REMARKS
00	00	Idle state	F6100	Room Cutoff (RCOF)	
			F6102	Do Not Disturb (DND)	
			F6104	Reset (RESET)	
			F6110	Mode (MODE)	
			F6111	Programming (PROG) • Remote Access to System (DISA) • Memory Allocation for Called Party Numbers • Date and Time Tone Ringer	
	01	When answering or originating	F6105	Serial Call Set (SC)	
			F6106	Flash Over Trunk (CAS, Centrex) (SHF)	
			F6112	Out pulse (PB Signal) Short (SPB)	
			F6113	Out pulse (PB Signal) Long (LPB)	
	02	When the called station is busy	F6107	Busy Verification (BV)	Attendant Override
			F6119	Operator Monitoring (MONIT)	[Australia Only]
	03	When the called station is in DND	F6108	Do Not Disturb Override (DDOV)	
	04	When accessing Hotel features	F6100	Room Cutoff (RCOF)	For Hotel DESKCON
			F6101	Message Waiting (MW)	
			F6102	Do Not Disturb (DND)	
			F6104	Reset (RESET)	
			F6109	Wake Up (WU)	

Add-On Module

Y		SETTING DATA		
No.	MEANING	KEY No.	DATA	MEANING
00	Setting of Functions	30	X	Station number
		∩	∩	• My Line number (FX-FXXXXXXXX)
		54	XXXXXXXX	• Multiline number (Ordinary Station)
				• Multiline number (assigned by CM11)
				X: 0-9, A (*), B (#)
			A000	Automatic Intercom number
			∩	
			A031	
			A100	
			∩	
	A131			
	A200	Manual Intercom number		
	∩			
	A700			
	A201			
	∩			
	A701			
	∩			
	A224			
	∩			
	A724			
	B000	Dial Intercom number		
	∩			
	B900			
	B001			
	∩			
	B901			
	∴			
	B024			
	∩			
	B924			
	D000	Trunk number		
	∩			
	D511			
	30	F11XX	XX:	
	∩		00-99: Station Speed Dialing 00-99	
	89			
	87	F0043	Day/Night Key	
	∩			
	89			

Continued on next page

◀: Default

Y		SETTING DATA		
No.	MEANING	KEY No.	DATA	MEANING
02	Ringer sending method when terminating a call to Line/Trunk key on Multiline Terminal	30 ∟ 54	0 1◀	Delayed Ringing No Delayed Ringing
10	Key setting of programmable pattern 1	—	—	Same as CM90 Y=00

■ CM97

DSS CONSOLE NUMBER	DSS KEY NUMBER	SETTING DATA	
		DATA	MEANING
00 ∟ 31	00	X	Station number
	∟	∟	
	59	XXXXXXXX	
		DXXX	Trunk number (XXX: 000-511)
		F13XX	<u>XX</u> 00: Day/Night Mode Change by Tenant 00 ∟ ∟ 63: Day/Night Mode Change by Tenant 63
	56	F1052	Function Change key
	57	F0043	Night key
	∟	F1048	Room Cutoff-Set/Reset
	59	F1049	Message Waiting-Set/Reset
		F1050	Call Recording
		F1051	Check-In/Out
		F1053	Do Not Disturb-Set/Reset
		F1054	No Answer Indication for Wake Up Call
		F1055	Function Key used for busy out display from ACD/UCD Group

■ CM9A

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 λ 03	Setting of Soft Key function for each Pattern Number (Pattern Number 0-3)	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk) bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display	F5002 F5003 F5014 F5015 F5029 F5038 F5039 FXXXX NONE◀	Scroll key to change the Soft key indication Ringer Tone Changing Dial By Name for System Speed Dialing Dial By Name for Station Speed Dialing Call History Search for Dial By Name for System Speed Dialing/Station Speed Dialing Malicious Call List Set key [9300V3] Function key (Same as F0XXX, F1XXX, F50XX of CM90) No data

Continued on next page

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10 λ 13	Setting of Soft Key name for each Pattern Number (Pattern Number 0-3)	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk) bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display	XX...XXX NONE ◀	Soft Key name indicated on LCD (2-12 characters) No data

Continued on next page

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
18	Setting of Soft Key name for each Pattern Number (Pattern Number 0) (for Russian) [Asia]	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk) bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display	XX...XXX NONE ◀	Soft Key name indicated on LCD (2-12 characters) No data

Continued on next page

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
22	Setting of Soft Key name for each Pattern Number (for Simplified Chinese) (Pattern Number 0)	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk)	XX...XXX NONE ◀	Soft Key name indicated on LCD (Maximum 3 characters) No data
26	Setting of Soft Key name for each Pattern Number (for Traditional Chinese) (Pattern Number 0)		bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display		

Command Mode



Command Mode is suitable for quick entry on the command line. For experts, this chapter explains how to switch to Command Mode and how to use the command window and trace windows.

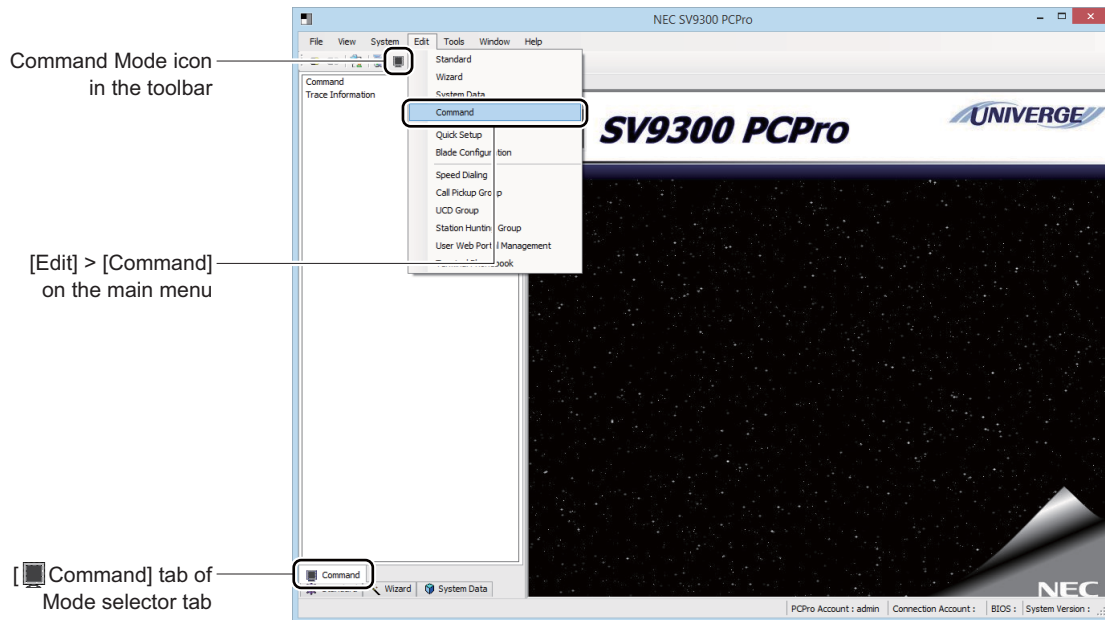
As for the details of commands used in Command Mode, refer to the “Command Manual”.

- Switching to Command Mode
- Using Command Mode

Switching to Command Mode

You can switch the submenu view to Command Mode in one of the following operations:

- Click [ Command] tab of Mode selector tab.
- On the Main Menu, click [Edit] > [Command] in this order.
- Click  on the toolbar.



Using Command Mode


In Command Mode, command and trace are available.

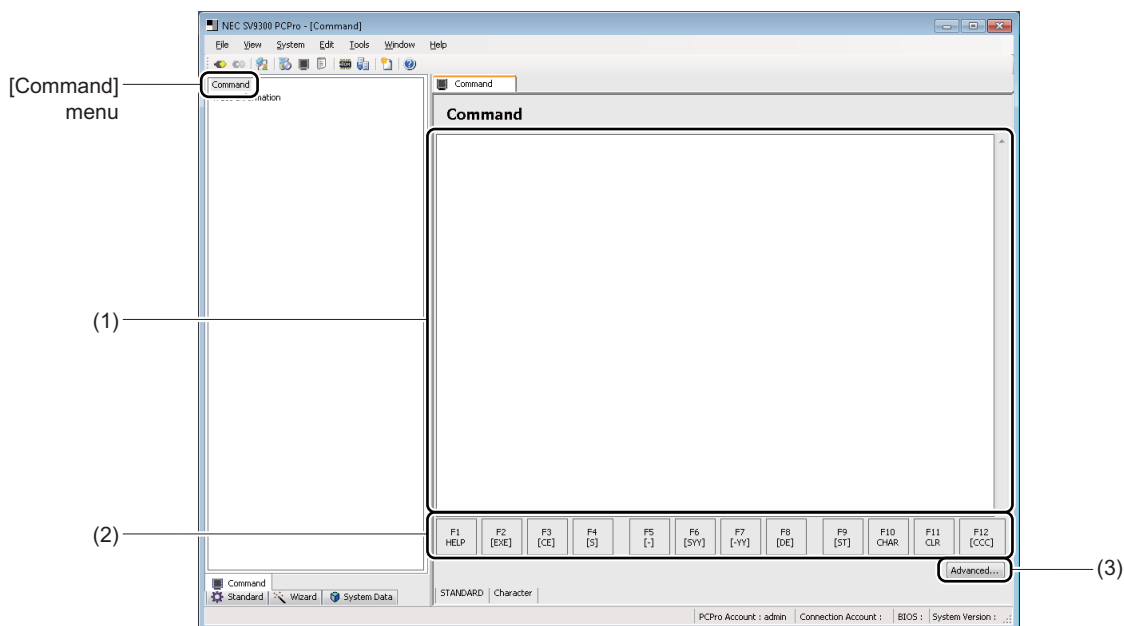
- Command
- Trace Information [Page 7-12](#)

Command

On the [Command] menu, commands can be entered into the command entry console to read or set system data.

Performing either of the following procedures will display the [Command] screen in the work window:

- On the command mode submenu, click [Command].
- Click the command shortcut icon  on the toolbar.



No.	Item	Description
(1)	Command entry console	Enter a command to invoke or set system data. For usage information, refer “Command Entry”. Page 7-4
(2)	Function key labels	Display functions or characters assigned to the PC’s function keys.
(3)	[Advanced...] button	Click to display the [Advanced] screen. For more details, “Command Screen Preferences”. Page 7-9

Continued on next page

No.	Item	Description
(4)	Entry mode/Character mode display	<p>Displays the present control code entry mode (Classic/Standard/Enter) and the ON/OFF states of the character mode.</p> <ul style="list-style-type: none"> The ON/OFF states of the character mode have the following meanings: <ul style="list-style-type: none"> Character mode OFF: Only 0 to 9 and A to F comma (,), period (.) can be entered (a to f are automatically converted to A to F). The control key is inoperable. Character mode ON : All data can be entered. The control code is operable. Function key F12 is used to switch the character mode ON and OFF.

■ Command Entry

Commands are entered in combination of system data (command, first data, second data) and control codes.

<Control Code List>

There are three modes of control code entry, as follows:

- Classic Mode : Control codes entry that are assigned to [./], [Space], [/] and other keys.
- Standard Mode: Control codes entry that are assigned to a PC's function keys.
- Enter Mode : Control codes entry that are assigned to [Enter] key.

Control Code	Meaning	Control Keys		
		Classic Mode	Standard Mode	Enter Mode
[ST]	Start of command entry.	[/] (slash)	[F9]	[Esc]
[DE]	<ul style="list-style-type: none"> • End of command entry • End of first data entry • Read second data that has been set in input first data. 	[Space]	[F8]	[Enter]
[EXE]	Set second data.	[.] (period)	[F2]	[Enter]
[CE]	Cancel entries.	[:] (colon)	[F3]	[←]
[S]	Read the second data that has been set as the next batch of first data.	[Enter]	[F4]	[↓]

Continued on next page

Control Code	Meaning	Control Keys		
		Classic Mode	Standard Mode	Enter Mode
[-]	Read the second data that has been set as the previous batch of first data.	[-] (hyphen)	[F5]	[↑]
[SYY]	Read second data with the next Y number.	[F9]	[F6]	[F9]
[-YY]	Read second data with the previous Y number.	[F10]	[F7]	[F10]
[CCC]	Reset second data to its default.	CCC ([C]X~ 3 times)	[F12]	[Delete]
HELP	Displays the Help	[F1]	[F1]	[F1]
CHAR	Switching entry limitation of second data	[F12]	[F10]	[F12]
CLR	Deletes characters in a command entry console	[F11]	[F11]	[F11]

Tips: *Function Keys Used in Classic Mode*

In Classic Mode, use function keys to enter characters that are assigned to control keys.

- [F2] ... [.] (period)
- [F3] ... [:] (colon)
- [F4] ... [-] (hyphen)
- [F5] ... [space]
- [F6] ... [/] (slash)

<List of System Data Entry Constraints>

System Data	Entry Rules	Remarks
Command	<ul style="list-style-type: none"> • Single-byte alphanumeric characters (0 to 9, A to F, a to f) • Up to 6 characters 	a through f are automatically converted to uppercase.
First data	<ul style="list-style-type: none"> • Single-byte alphanumeric characters (0 to 9, A to F, a to f), Comma [,] • Up to 16 characters 	a through f are automatically converted to uppercase.
Second data	<ul style="list-style-type: none"> • Up to 256 characters 	

<Reading System Data (Second Data)>

STEP1: Enter [ST].

- Classic Mode : [/] key
- Standard Mode : [F9] key
- Enter Mode : [Esc] key

STEP2: Enter a command and then enter [DE].

- Classic Mode : Command + [Space] key
- Standard Mode : Command + [F8] key
- Enter Mode : Command + [Enter] key

STEP3: Enter first data and then enter [DE].

- Classic Mode : First data + [Space] key
- Standard Mode : First data + [F8] key
- Enter Mode : First data + [Enter] key

Second data is displayed.

STEP4: To view the second data that has been set as the next batch of first data, enter [S].

- Classic Mode : [Enter] key
- Standard Mode : [F4] key
- Enter Mode : [↓] key

The second data that has been set as the next batch of first data is displayed.

STEP5: To view the second data that has been set as the previous batch of first data, enter [-].

- Classic Mode : [-] key
- Standard Mode : [F5] key
- Enter Mode : [↑] key

The second data that has been set as the previous of first data is displayed.

STEP6: To view second data with the next Y number, enter [SYY].

- Classic Mode : [F9] key
- Standard Mode : [F6] key
- Enter Mode : [F9] key

Second data with the next Y number is displayed.

STEP7: To view second data with the previous Y number, enter [-YY].

- Classic Mode : [F10] key
- Standard Mode : [F7] key
- Enter Mode : [F10] key

Second data with the previous Y number is displayed.

<Writing System Data (Second Data)>

STEP1: Enter [ST].

- Classic Mode : [/] key
- Standard Mode : [F9] key
- Enter Mode : [Esc] key

STEP2: Enter a command and then enter [DE].

- Classic Mode : Command + [Space] key
- Standard Mode : Command + [F8] key
- Enter Mode : Command + [Enter] key

STEP3: Enter first data and then enter [DE].

- Classic Mode : First data + [Space] key
- Standard Mode : First data + [F8] key
- Enter Mode : First data + [Enter] key

The current second data is displayed.

STEP4: Change the second data and then enter [EXE].

- Classic Mode : Second data + [.] key
- Standard Mode : Second data + [F2] key
- Enter Mode : Second data + [Enter] key

System data (second data) has now been written to the SV9300.

NOTE 1: *In Classic Mode, “CCC” cannot be entered as second data. Use Standard Mode when it is necessary to enter “CCC” as second data.*

** In Classic Mode, “CCC” is used to reset second data to its default.*

NOTE 2: *To enter a space to the second data on Standard Mode, use the [Shift] + [Space] Key.*

<Resetting System Data (Second Data) to Its Default>

STEP1: Enter [ST].

- Classic Mode : [/] key
- Standard Mode : [F9]key
- Enter Mode : [Esc] key

STEP2: Enter a command and then enter [DE].

- Classic Mode : Command + [Space] key
- Standard Mode : Command + [F8] key
- Enter Mode : Command + [Enter] key

STEP3: Enter first data and then enter [DE].

- Classic Mode : First data + [Space] key
- Standard Mode : First data + [F8] key
- Enter Mode : First data + [Enter] key

Second data is displayed.

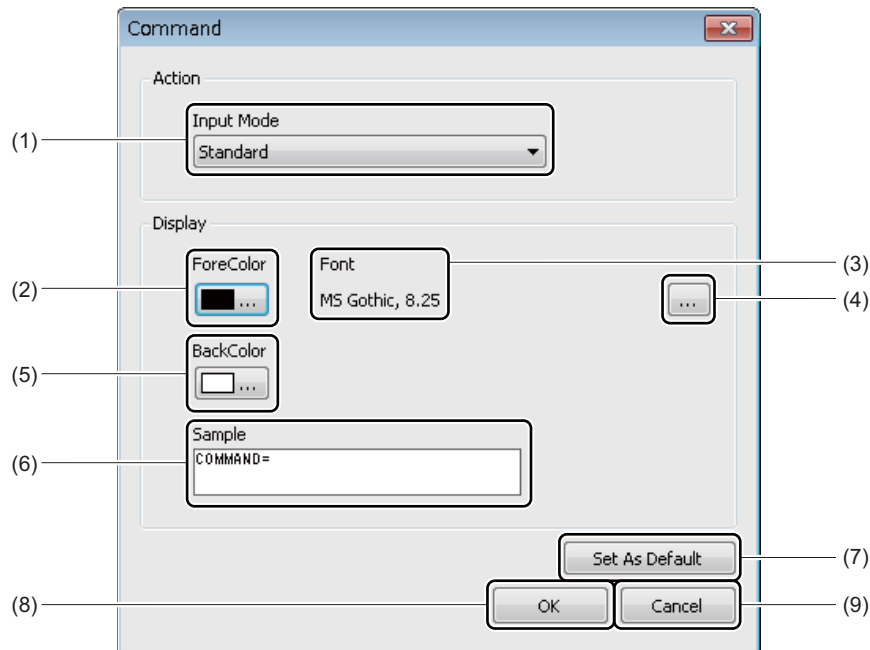
STEP4: Enter [CCC].

- Classic Mode : “CCC” + [Enter] key
- Standard Mode : [F12] key
- Enter Mode : [Delete] key

System data (second data) has now been reset to its default.

■ Command Screen Preferences

The [Command] screen operation and displays can be modified through the following [Advanced] screen. Click the [Advanced] button in the [Command] screen to display the [Advanced] screen.



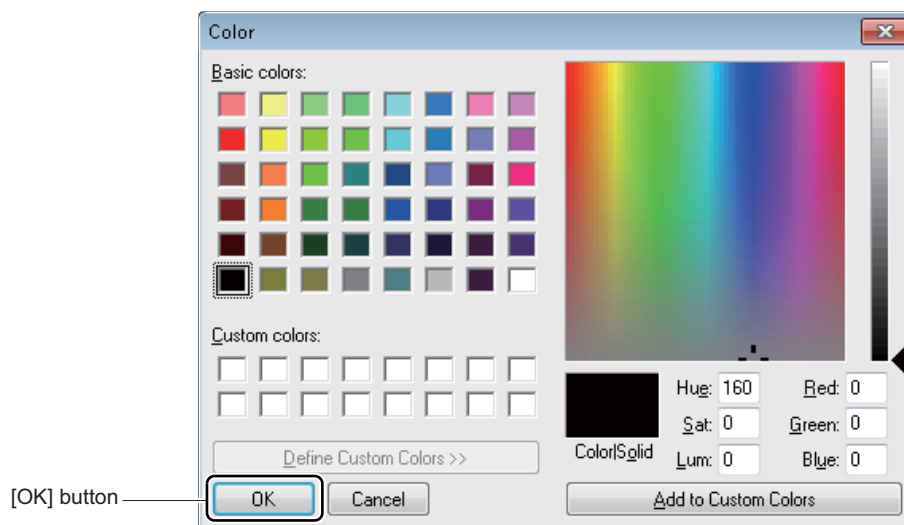
No.	Item	Description
(1)	Input Mode	Choose from the following Command entry modes as a control code of entry mode: <ul style="list-style-type: none"> • Classic/Standard/Enter (default: Standard) For more details, refer “<Control Code List>”. Page 7-4
(2)	[ForeColor] button	Click to change the color of the character in the command entry Console. The [Color] dialog box is displayed. For more details, refer “<Color Settings>”. Page 7-10
(3)	Font, size	Displays the font and size of characters used for character entry into the command entry console.
(4)	[Select Font] button	Click to change the font and character size of the command entry console. The [Font] dialog box is displayed. For more details, refer “”. Page 7-11
(5)	[BackColor] button	Click to change the background color of the command entry console. The [Color] dialog box is displayed. For more details, refer “<Color Settings>”. Page 7-10

Continued on next page

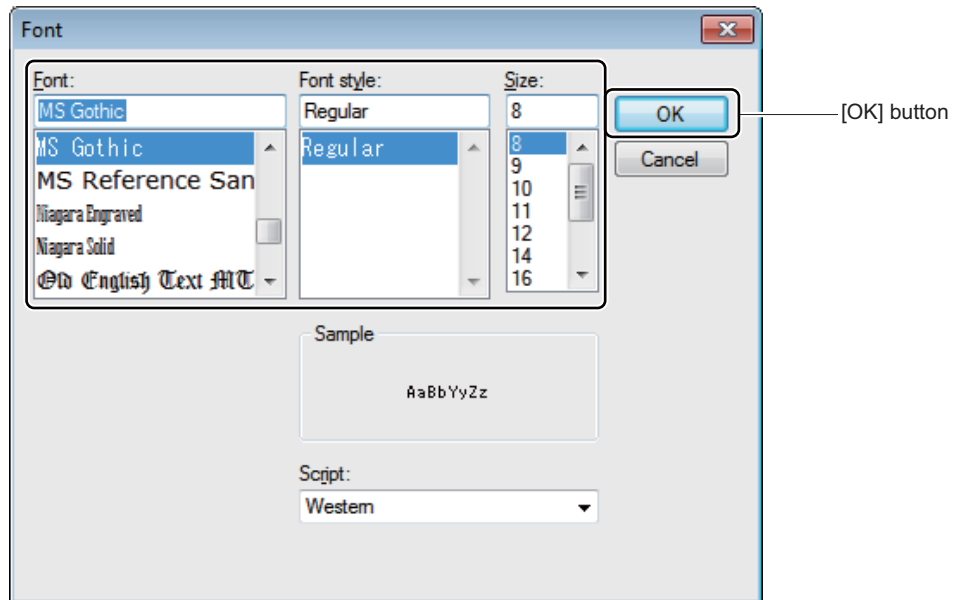
No.	Item	Description
(6)	Sample	Displays sample setting of the font, character size, text color and background color selected.
(7)	[Set As Default] button	Click to reset the settings entered in the [Command] screen to their defaults.
(8)	[OK] button	Click to apply the changes in the [Command] screen and close [Command] screen.
(9)	[Cancel] button	Click the close the [Command] screen without applying the changes.

<Color Settings>

The text color and the background color can be specified in the [Color] dialog box. After selecting a color, click the [OK] button. For more details, browse through help on the [Color] dialog box.



The font and character size in the command entry console is specified in the [Font] dialog box. After selecting a font and a character size, click the [OK] button. For more details, browse through help on the [Font] dialog box.



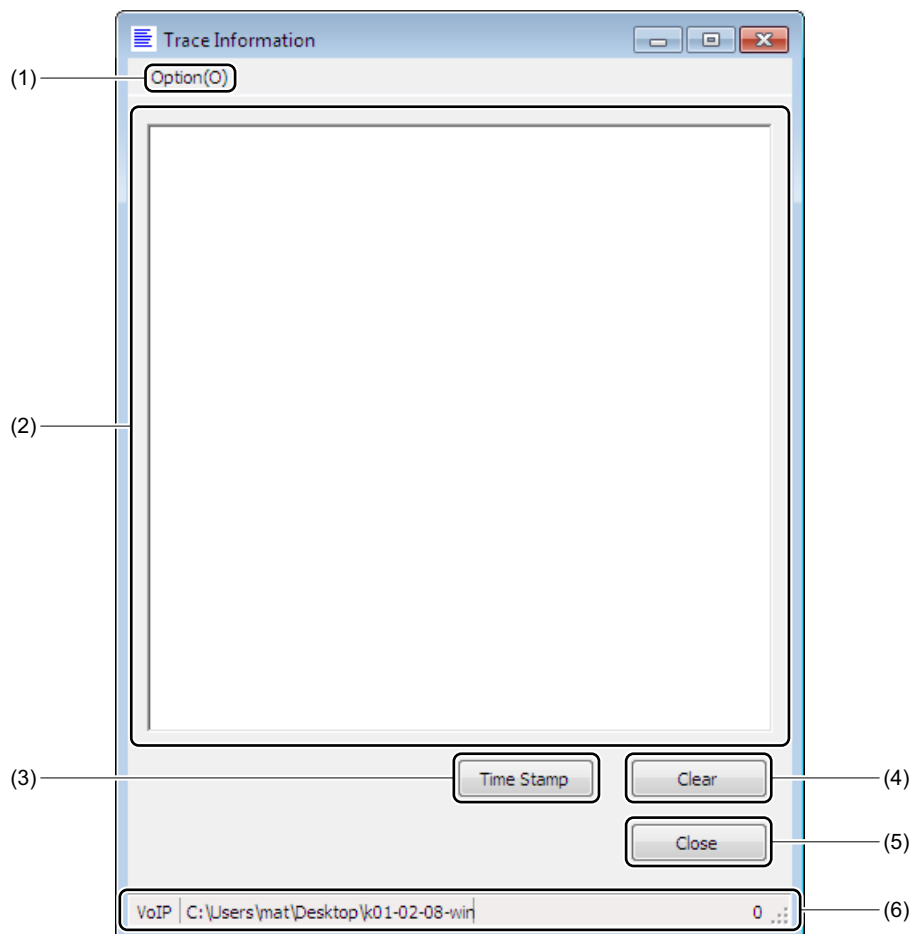
Trace Information

The [Trace] menu confirms trace information that is transmitted from the SV9300 randomly. One of the following action will display a [Trace Information] screen in the work window:

- Click submenu [Trace Information] in Command Mode.
- On the Main Menu, click [System] > [Maintenance] > [Trace Information] in this order.

NOTE 1: To perform the Trace Information, setting of system data (CMF6) is required in advance.

NOTE 2: This menu is reserved for NEC technicians and need not be used in most situations.



No.	Item		Description
(1)	Option	Time Stamp	<p>Executes a time stamp at intervals of a specified time span.</p> <ul style="list-style-type: none"> • 10 seconds/30 seconds/1 minute/Stop (default: Stop) * Time Stamp is not executed if “Stop” is selected. * Selected items are checked.
		Capture file	<p>Select whether to write (save) the trace information file transmitted from the SV9300 or not.</p> <ul style="list-style-type: none"> • Start capture/Stop capture (default: Stop capture) *1 A screen appears if “Start capture” is selected. Select the destination folder in which a file is created. *2 Capture file creates a file (File Name: Trc_ + Connection Account name + number + .log) to the destination folder and stores the trace information. If the same file already exists in that folder, it is overwritten. *3 A number of file name is added from 001 to the highest file number set by the Capture file in ascending order. *4 If you have opted for “Stop capture”, trace information is not written to a file. *5 Selected items are checked. *6 If you change from “Stop capture” to “Start capture”, the first starting file is cleared. *7 The size of capture file is the maximum size set by the Capture file. A file is written to the next file when the file size is beyond the maximum size. *8 When the number of files is beyond the maximum number of files, the existing files are overwritten from the oldest file (Trc_ + Connection Account name + 001.log).
		File Size...	<p>Displays the [File Size] screen. Set the number of files and the maximum file size on a per file.</p>
		File Delete	<p>Deletes the file (Trc_ + Connection Account name + value (1 to 10) + .log) that has been created by selecting [File Output].</p> <ul style="list-style-type: none"> * Click to see a message box that asks if you are sure to delete the file.

Continued on next page

No.	Item	Description
(2)	Text field	<p>Displays the trace information transmitted from the SV9300. Only the latest trace information portion of text is displayed.</p> <p>*1 Select the character string to stop the trace information display temporarily. Deselect the character string to resume the display of the trace information on the screen, including information hidden when in the selected state.</p> <p>*2 The trace information up to 1MB can be displayed on the screen. Messages are displayed when exceeding the limit, then the indication for the trace information will temporarily stop. Clear the trace information by the [Clear] button to resume the indication.</p> <p>*3 When the indication has stopped, the latest trace information up to 1MB is saved from then (the trace information is displayed when the indication is resumed).</p> <p>*4 When the “Start capture” is selected by the Capture file, the logs after reaching to the maximum value on the screen display are also output the file.</p>
(3)	[Time Stamp] button	Click to add the date and time (YYYY/MM/DD HH:MM:SS) at which the button was clicked in the Text field.
(4)	[Clear] button	Click to clear the trace information displayed in the Text field. * The file is not cleared.
(5)	[Close] button	Click to end the trace. * Trace information is not written to a file if the [Trace Information] screen is closed.
(6)	Status bar	<p>Displays the name of the logon account connected to the SV9300, the path name of the file output folder and the amount of the trace information.</p> <p>*1 For a Connection Account name, the Connection Account name connected to SV9300 is displayed. A blank is displayed when not connected to SV9300.</p> <p>*2 For a path name of the file output folder, the path name of the file that outputs the trace information is displayed. A blank is displayed when the “Stop capture” is selected by the Capture file.</p> <p>*3 For an amount of trace information, the trace information displayed on the Text field and the trace information saved when the indication is stopped are displayed.</p>

Report

This chapter explains how to view fault information, system configuration information, the check result of the system, the results of read system data and a log of system data updates stored on the SV9300 from PCPro in a report format.

The [Report] menu allows you to save and view information most recently read from the SV9300 on PCPro.

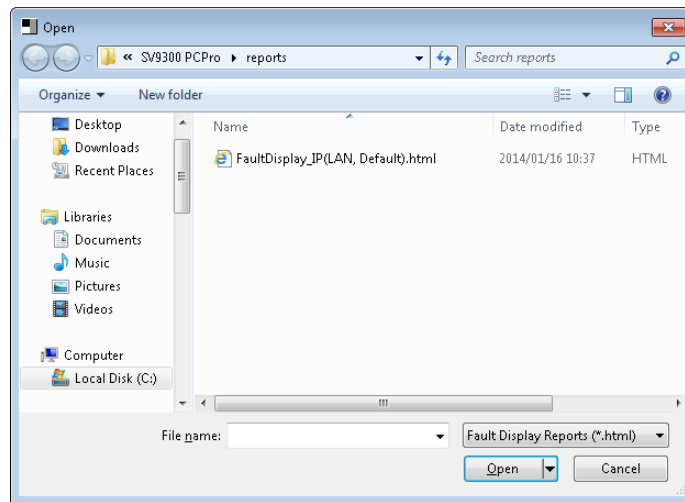
For more information about the kinds of reports that can be displayed, see instructions on viewing report-specific information.

Fault Display

Displays an fault report.

NOTE: To display an fault report, the read out of fault information by the [Fault Display] screen is required beforehand. [Page 4-268](#)

STEP1: On the Main Menu, click [Tools] > [Reports] > [Fault Display] in this order. The [Open File] screen appears.



STEP2: Select a file and click the [Open] button. Displays a fault information report.

Index	DateTime	FK	Alarm	UNIT-SLOT-CKT	Detail
1	14/01/09 19:56:31	065	-	01	Web server failure Fault Kind Details : Session time-out 65 00 00 00 14 01 09 19 - 56 31 00 00 00 00 00 00 FF FF 00 01 01 01 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00
2	14/01/09 19:56:31	065	-	01	Web server failure Fault Kind Details : Session time-out 65 00 00 00 14 01 09 19 - 56 31 00 00 00 00 00 00 FF FF 00 01 01 01 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00
3	14/01/09 19:39:00	065	-	01	Web server failure Fault Kind Details : Session time-out 65 00 00 00 14 01 09 19 - 39 00 00 00 00 00 00 00 FF FF 00 01 01 01 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00
4	14/01/09 19:39:00	065	-	01	Web server failure Fault Kind Details : Session time-out 65 00 00 00 14 01 09 19 - 39 00 00 00 00 00 00 00 FF FF 00 01 01 01 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 - 00 00 00 00 00 00 00

System Check and Report

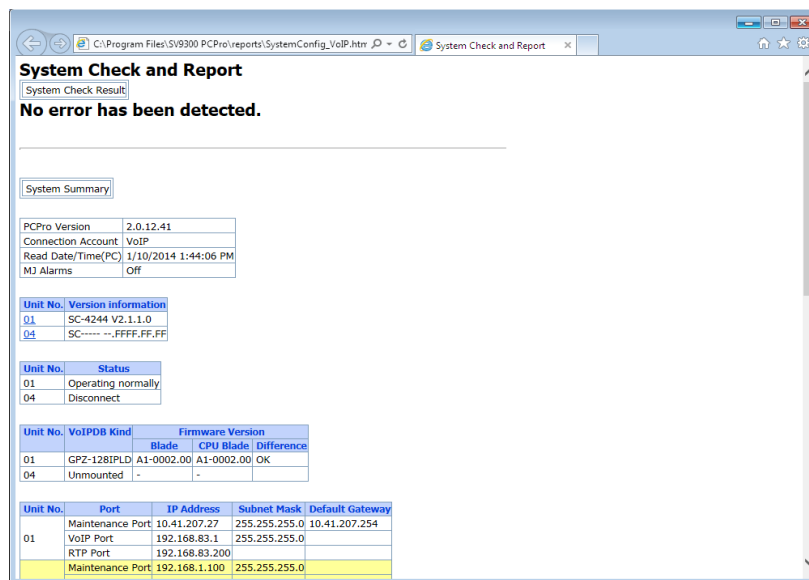
Displays a system report.

NOTE: To display a system report, the reading information by the [System Check and Report] screen is required beforehand. [Page 4-251](#)

STEP1: On the Main Menu, click [Tools] > [Reports] > [System Check and Report] in this order. The [Open File] screen appears.



STEP2: Select a file and click the [Open] button. The system report appears.



The table below shows the displayed items on the system report.

NOTE: *The items to be displayed on the system report differ depending on the reading items selected by the [System Check and Report] menu. [Page 4-253](#)*

<System Report Display Item List Table>

Report Category	Item	Description
System Check Result	–	Checks whether the following various alarm is detected, and displays the result. <ul style="list-style-type: none"> • Some duplicate IP addresses • Some blades with older firmware version than CPU's version • VoIPDB which needs update of firmware • Controlling chassis alarm
System Summary	PCPro Version	Displays the version of PCPro.
	Connection Account	Displays the connection account of the SV9300 with which PCPro has established a communication link.
	Read Date/Time (PC)	Displays the Date/Time when the system report is read.
	MJ Alarms	Displays the MJ Alarm information of the system. <ul style="list-style-type: none"> • On/Off
	Operation Status of Dual CPU*1	<Unit>	Displays the Unit of Dual CPU. • Unit01-Unit04
<Operation Status>		Displays the operation status of Dual CPU. <ul style="list-style-type: none"> • CPU0: XXX/XXXX • CPU1: XXX/XXXX XXX/XXXX: ACT/STBY

*1 This fields is displayed when using Dual CPU.

Continued on next page

Report Category	Item		Description
System Summary	Version Information List for Each Unit	Unit No.	<p>Displays the list of the Unit numbers currently in use.</p> <p>*1 The Unit numbers are displayed by blue color with underline.</p> <p>*2 For Dual CPU system, the version information is displayed as follows.</p> <p>XX (CPU0: ZZZ/ZZZZ)/ XX (CPU1: ZZZ/ZZZZ) XX: 01-04 (Unit No.) ZZZ/ZZZZ: ACT/STBY</p>
		Version Information	Displays the version information of the system (all Units)
	Status List for Each Unit	Unit No.	<p>Displays the list of registered Unit numbers. The indication when setting the Failover feature is as follows.</p> <ul style="list-style-type: none"> • Unit01 display when the Primary is assigned: 01 (Primary) • Unit display when the Secondary is assigned: xx (Secondary)

Continued on next page

Report Category	Item		Description
System Summary	Status List for Each Unit	Status	<p>Displays the status of the registered Units. [The status when the Failover feature is ineffective]</p> <ul style="list-style-type: none"> • Unit01: Disconnect/Operating normally • Unit02 or later: Disconnect/Normal mode/Survival mode <p>[The status when the Failover feature is effective]</p> <ul style="list-style-type: none"> • Unit01: Disconnect/Operating normally • Secondary Unit: Disconnect/Normal mode/Failover mode • Unit02 or later (except Secondary Unit): Disconnect/Normal mode (Connecting to Primary)/Normal mode (Connecting to Secondary)/Survival mode
		Connecting Status to Primary	<p>Displays the connecting status to the Primary Unit.</p> <ul style="list-style-type: none"> • Connecting Status: Disconnect/Connecting <p>* Displays only when the Failover feature is effective.</p>
		Connecting Status to Secondary	<p>Displays the connecting status to the Secondary Unit.</p> <ul style="list-style-type: none"> • Connecting Status: Disconnect/Connecting <p>* Displays only when the Failover feature is effective.</p>
		Alarm	<p>Displays the occurrence of alarms of CPU blade.</p> <ul style="list-style-type: none"> • Alarm: FAN alarm/AC input failure/Power off alarm/Battery alarm <p>* When there is no alarm, “No alarm” is displayed in this field.</p>

Continued on next page

Report Category	Item		Description
System Summary	Status List for Each Unit	JACK Insertion Status	Displays the insertion status of a mini jack for audio input/output on the front of CPU blade. <ul style="list-style-type: none"> JACK Insertion Status: Inserted/Not inserted
	VoIPDB Information List for Each Unit	Unit No.	Displays the list of registered Unit numbers. <ul style="list-style-type: none"> * For Dual CPU system, the Unit numbers are displayed as follows. XX (CPU0: ZZZ/ZZZZ)/ XX (CPU1: ZZZ/ZZZZ) XX: 01-04 (Unit No.) ZZZ/ZZZZ: ACT/STBY
		VoIPDB Kind	Displays the kind of VoIPDB. <ul style="list-style-type: none"> VoIPDB Kind: GPZ-64IPLD/GPZ-128IPLD/PZ-64IPLC-A/PZ-128IPLC-A
		Firmware Version	<Blade> “-” is displayed in this field.
	<CPU Blade> “-” is displayed in this field.		
	<Difference> “-” is displayed in this field.		
	Operation Status		Displays the operation status of VoIPDB. <ul style="list-style-type: none"> Operation Status: Normal operation/Operation stopped
LAN Cable Connection Status		Displays the LAN Cable connection status of VoIPDB. <ul style="list-style-type: none"> LAN Cable Connection Status: Connected/Disconnected 	

Continued on next page

Report Category	Item		Description
Network Information	IP Address Information List for Each Unit	Unit No.	Displays the Unit numbers.
		Port	Displays the kind of port. <ul style="list-style-type: none"> • When using single CPU: Maintenance Port/VOIP Port/RTP Port • When using Dual CPU: Maintenance Port (CPU0/1: ACT/STBY)/ VOIP Port (CPU0/1: ACT/STBY)/ RTP Port (CPU0/1: ACT/STBY)
		IP Address	Displays the IP addresses.
		Subnet Mask	Displays the Subnet Mask * This field becomes a blank for a RTP port of Subnet Mask.
		Default Gateway	Displays the Default Gateway. * This field becomes a blank for a RTP port of Default Gateway.
		VLAN	Displays the setting status of the VLAN. <ul style="list-style-type: none"> • VLAN: Effective * This field becomes a blank if setting of the VLAN is not effective.
		VLAN ID	Displays the VLAN ID.
		Priority of VLAN ID	Displays the priority of VLAN ID. * This field becomes a blank if the setting of VLAN is not effective.
	Routing Information List for Each Unit	Unit No.	Displays the Unit No.
		Destination Address	Displays the destination address.
		Network Mask	Displays the network mask.
		Gateway Address	Displays the gateway address.
		Status	Displays the setting status to a Routing Table. <ul style="list-style-type: none"> • Status: OK/NG

Continued on next page

Report Category	Item	Description	
License	Hardware Key Code ^{*2}	Displays the Hardware Key Code.	
	Hardware Key Code (CPU0) ^{*1}		
	Hardware Key Code (CPU1) ^{*1}		
	License List	No.	Displays the license data numbers.
		License Data Name	Displays the license data names.
		Software Key Code	Displays the Software Key Codes.
		Authentication Status	Displays the Authentication Status of the license. A: Authorized Status N: Unauthorized Status
	Option Value List	No.	Displays the kind numbers of option values.
		Feature Name	Displays the feature names of option values. * As for the correspondence between the feature names and the related licenses, refer to the “Correspondence Table for Option Values and Related Licenses” Page 8-18
		Used	Displays the number of the using option values.
		Valid	Displays the number of the retaining option values.
Remains		Displays the number of the remaining option values.	

*1 This fields is displayed when using Dual CPU.

*2 This fields is displayed when using Single CPU.

Continued on next page

Report Category	Item	Description
Unit Information	–	<p>Provides the screen display of the blade mounted in each slot of SV9300. The blade name in different colors for each blade type and the clock source status are displayed.</p> <p><Blade Name></p> <ul style="list-style-type: none"> • Station/CS blade: Light blue • Trunk blade : Light yellow • Other blades : Light red <p>*1 If the blade name is clicked, this field moves to the Details of Port (Line/Trunk Blade) category.</p> <p>*2 As for the indication when blades for SV8300 are mounted, refer to the “Indication When Blades for SV8300 Are Mounted”. Page 8-21</p> <p>*3 For the disconnected Expansion Chassis, the background color is displayed with gray.</p> <p><Clock Source Status></p> <ul style="list-style-type: none"> • Sync.(1st): The blade is set to the first priority blade to receive the synchronization signal. • Sync.(1st) Synchronized: The blade is set to the first priority blade to receive the synchronization signal and the blade is synchronized. • Sync.(2nd): The blade is set to the second priority blade to receive the synchronization signal. • Sync.(2nd) Synchronized: The blade is set to the second priority blade to receive the synchronization signal and the blade is synchronized. <p>* The clock source supports only for BRT/PRT/CCT/DTI blade.</p>

Continued on next page

Report Category	Item	Description
Expansion Chassis Information	Unit No.	Displays the Unit No.
	Expansion Chassis	Displays the Expansion Chassis No.
	Operation Status	Displays the operation status of Expansion Chassis. <ul style="list-style-type: none"> • Operation Status: Normal operation/Disconnected
	Alarm	Displays the alarm of Expansion Chassis. <ul style="list-style-type: none"> • Alarm: FAN alarm/AC input failure/Power off alarm/Battery alarm *1 If there is no alarm, “No alarm” is displayed. *2 For the Expansion Chassis accommodated to the Remote Unit which is not in a normal mode operation status with a Main Unit, and the Expansion Chassis which is not connected to the Controlling Chassis, “-” is displayed.
Slot Information	Unit No.	Displays the Unit numbers.
	Slot No.	Displays the Slot numbers. *1 The Slot number for which system data is assigned, is displayed by blue color with underline. *2 When blades for SV8300 are mounted, “*NV” appears next to a blade type. *3 If the Slot number is clicked during reading the port information, this field moves to the Details of Port (Line/Trunk Blade) category.

Continued on next page

Report Category	Item		Description
Slot Information	Mounted Blade		Displays the kind of the mounted blade. *1 “-” is displayed if no line/trunk blade is mounted. *2 As for the blade type displayed in this field, refer to the “Blade Type List Table”. Page 8-19
	Firmware Version	Line/Trunk Blade	Displays the firmware version of the line/trunk blade. *1 “-” is displayed if no line/trunk blade is mounted. *2 “Updating” is displayed during firmware update.
		CPU Blade	Displays the firmware version in the CPU program. *1 “-” is displayed if no line/trunk blade is mounted. *2 “Updating” is displayed during firmware update.
		Difference	Compares the firmware version of the line/trunk blade and that in a CPU program, and displays the result. Old : The firmware version of the mounted blade is older than that in a CPU program. New : The firmware version of the mounted blade is newer than that in a CPU program. OK : The firmware version of the mounted blade corresponds with that in a CPU program. Unknown: The blade has not been mounted, or the firmware update is in progress. * “-” is displayed if not applicable blade is mounted.

Continued on next page

Report Category	Item		Description
Slot Information	System Data	Setup condition	<p>Compares the blade type of the mounted line/trunk blade and that is assigned by system data, then displays the result.</p> <p>OK : The blade type of the mounted blade corresponds with the blade type assigned by system data.</p> <p>NG : The blade type of the mounted blade does not corresponds with the blade type assigned by system data.</p> <p>Only System: The line/trunk blade is unmounted and only system data is assigned.</p> <p>- : The line/trunk blade is unmounted and no system data is assigned.</p>
		Detail	<p>Displays the setting values of system data and the blade types.</p> <p>* “-” is displayed if no system data is assigned.</p>
	Ports	Blade	<p>Displays the number of ports of the blade.</p> <p>* “-” is displayed if no line/trunk blade is mounted.</p>
		Assigned	<p>Displays the number of ports registered by system data.</p> <p>*1 “0” is displayed when no system data is assigned.</p> <p>*2 No data is displayed when unable to read the port information by the option settings.</p>

Continued on next page

Report Category	Item	Description
Slot Information	Operation Status	<p>Displays the operation status of line/trunk blades.</p> <ul style="list-style-type: none"> • Operation Status: Normal operation/Operation stopped <p>* “-” is displayed if no line/trunk blade is mounted.</p>
	Link Connection	<p>Displays the link connection of blades.</p> <ul style="list-style-type: none"> • Link Connection: Line 1 alarm Line 2 alarm Line 3 alarm Line 4 alarm <p>*1 When there is no link connection, “No alarm” is displayed.</p> <p>*2 “-” is displayed if no line/trunk blade is mounted and the Link Connection is for the blade which is not targeted.</p>
	Serial No.	<p>Displays the Serial numbers of blades.</p> <p>*1 “-” is displayed if no line/trunk blade is mounted.</p> <p>*2 This field becomes a blank if the line/trunk blade is not targeted for the Serial No. Display.</p>
	Lot No.	<p>Displays the Lot numbers of blades. The fourth digit of the Lot No. is the hardware version.</p> <p>*1 “-” is displayed if no line/trunk blade is mounted.</p> <p>*2 This field becomes a blank if the line/trunk blade is not targeted for the Lot No. Display.</p>

Continued on next page

Report Category	Item	Description
Line/Trunk blade ports *3	Unit No.	Displays the Unit numbers.
	Slot No.	Displays the Slot numbers.
	CKT No.	Displays the CKT numbers.
	Port	Displays the port numbers.
	Data	Displays the data assigned to the port. * This field becomes a blank if no data is assigned.
	Mounted Blade	Displays the blade name of the mounted blade. * When blades for SV8300 are mounted, “*NV” appears next to a blade type.
	Terminal Type	Displays the terminal type number and the terminal type information. *1 This field becomes a blank when no connection is established, or the result when reading data is NONE. *2 As for the terminal type displayed in this field, refer to the “Terminal Type List Table”. Page 8-22
Number of buttons	Displays the number of buttons on Multiline Terminal.	

*3 Displays the slot that the system data is registered.

Continued on next page

Report Category	Item	Description
IP terminal ports (IP Station No./DSS Console No./Add-on Module No./SIP Converter No.) *4	Virtual Port	Displays the virtual port numbers.
	Data	Displays the station numbers.
	IP Address	Displays the IP addresses. * This field becomes a blank if no IP address information is read.
	Status	Displays the connection status. N : Registered Status A : Unregistered Status (Blank): Unavailable to read the registered information
	Terminal Type	Displays the terminal type number and the terminal type information. *1 This field becomes a blank when no connection is established, or the result when reading data is NONE. *2 As for the terminal type displayed in this field, refer to the “Terminal Type List Table”. Page 8-22
	Number of buttons	Displays the number of buttons on Multiline Terminal.
Peer to Peer CCIS trunk ports *5	Virtual Port	Displays the virtual port numbers.
	Trunk No.	Displays the trunk numbers.
SIP trunk ports *6	Unit No.	Displays the Unit numbers.
	Virtual Port	Displays the virtual port numbers.
	Trunk No.	Displays the trunk numbers.

*4 Displays only the port that the station number is registered.

*5 Displays only the port that the IP trunk is registered.

*6 Displays only the port that the SIP trunk is registered.

Continued on next page

Report Category	Item		Description
Wireless PCS/ PHS terminal ports/Standard SIP ports *4	Virtual Port		Displays the virtual port numbers.
	Station No.		Displays the station numbers.
	IP Address		Displays the IP addresses. * This field becomes a blank if no IP address information is read.
	Status		Displays the connection status. N : Registered Status A : Unregistered Status (Blank): Unavailable to read the registered information
	Terminal type		Displays the terminal type numbers and the terminal type information. *1 This field becomes a blank when no connection is established, or the result when reading data is NONE. *2 As for the terminal type displayed in this field, refer to the “Terminal Type List Table”. Page 8-22
Numbering Plan	Numbering Plan Information List for Each Numbering Plan Group *7	Access Code	Displays the Access Code.
		Data	Displays the setting data for the Access Code.
		Description	Displays the meaning of setting data.

*4 Displays only the port that the station number is registered.

*7 Numbering Plan Information is displayed for each Numbering Plan Group. The tenant group to which a Numbering Plan (Access Code) is not registered is not displayed.

The table below shows the correspondence for option values and relates licenses displayed on the system report.

<Correspondence Table for Option Values and Related Licenses>

Option Value		Description
No.	Feature Name	
001	PORT Capacity	Port Capacity License
010	VoIP Channels	VoIP Channels (IP-PAD) License
011	IP Trunk	P2P CCIS Channels License
012	IP Ports	D ^{term} IP/DT800/DT700 Series License
016	Remote Unit	Number of Remote Unit License
017	SIP TRK Channels	SIP Trunk Channels License
018	Soft Phone	D ^{term} SP30/SP350 License
019	Soft Phone ACD	Soft Phone ACD License (D ^{term} SP30/SP350 ACD)
023	Mobility Access	Mobility Access License
024	STD SIP Phone	Standard SIP Terminal License
025	Embedded 32P CNF	Embedded Conference License
029	UC Connector SVL	Server-less UC Connector Client License
043	UMS PORT	UM8000 Mail Port License
044	UMS FAX PORT	UM8000 Mail FAX Port License
045	UMS TTS PORT	UM8000 Mail TTS for MS Outlook License
046	UMS CLIENT	UM8000 Mail View App Session License
047	UMS LANGUAGE	UM8000 Mail Multilanguage Support License
048	UMS HOSPI LANG	UM8000 Mail Hospitality Language License
049	UMS TTS LANG	UM8000 Mail TTS Language License
060	PVA PORT	SMB8000 Multimedia Conference Ports License
061	RGA PORT	RGA Conference Port license
062	RGA Enhance I	RGA Conference Enhance I (Conference Call Recording) License
065	RGA Language	RGA Additional Language License

The table below shows the blade types displayed in the Slot Information category (Mounted Blade).

<Blade Type List Table>

Blade Type	Blade Name
Telephone (LC)	<ul style="list-style-type: none"> • LC(4+4) : GCD-4LCF + GPZ-4LCF • LC(4) : GCD-4LCF • LC(4+8) : GCD-4LCF + GPZ-8LCF • LC(8+4) : GCD-8LCF + GPZ-4LCF • LC(8+8) : GCD-8LCF + GPZ-8LCF • LC(8) : GCD-8LCF • DIOP(LLC) : GCD-4DIOPA/GCD-4DIOPB • LC(4+4) *NV : CD-4LCA + PZ-4LCA • LC(4) *NV : CD-4LCA • LC(4+8) *NV : CD-4LCA + PZ-8LCE • LC(8+4) *NV : CD-8LCA + PZ-4LCA • LC(8+8) *NV : CD-8LCA + PZ-8LCE • LC(8) *NV : CD-8LCA • DIOP(LLC) *NV : CD-4DIOPA/CD-4DIOPB <p>* "NV" implies a blade for SV8300.</p>
Telephone (DLC/DESKCON)	<ul style="list-style-type: none"> • DLCA(16) : GCD-16DLCA/GCD-16DLCA-A • DLCA(8+8) : GCD-8DLCA + GPZ-8DLCA • DLCA(8) : GCD-8DLCA/GCD-8DLCA-A • DLCA(16) *NV : CD-16DLCA • DLCA(8+8) *NV : CD-8DLCA + PZ-8DLCA • DLCA(8) *NV : CD-8DLCA <p>* "NV" implies a blade for SV8300.</p>
Telephone (ILC)	<ul style="list-style-type: none"> • ILC(2+2) : GCD-2BRIA + GPZ-2BRIA • ILC(2) : GCD-2BRIA • ILC(2+2) *NV : CD-2BRIA + PZ-2BRIA • ILC(2) *NV : CD-2BRIA <p>* "NV" implies a blade for SV8300.</p>

Continued on next page

Blade Type	Blade Name
Trunk (COT/DID/LD/OD)	<ul style="list-style-type: none"> • COT(4+4) : GCD-4COTC + GPZ-4COTG/GPZ-4COTG-A GCD-4COTC-A + GPZ-4COTE/GPZ-4COTG/ GPZ-4COTG-A GCD-4COTB + GPZ-4COTF/GPZ-4COTF-A GCD-4COTB-A + GPZ-4COTF/GPZ-4COTF-A GCD-4COTA + GPZ-4COTE/GPZ-4COTG-A • COT(4) : GCD-4COTC/GCD-4COTC-A/GCD-4COTB/ GCD-4COTB-A/GCD-4COTA • ODT(4) : GCD-4ODTA • DIOP(DID) : GCD-4DIOPA/GCD-4DIOPB • DIOP(LD) : GCD-4DIOPA/GCD-4DIOPB • COT(4+4) *NV : CD-4COTC + PZ-4COTG/CD-4COTB + PZ-4COTF/CD-4COTA + PZ-4COTE • COT(4) *NV : CD-4COTC/CD-4COTB/CD-4COTA • ODT(4) *NV : CD-4ODTA • DIOP(DID) *NV: CD-4DIOPA/CD-4DIOPB • DIOP(LD) *NV : CD-4DIOPA/CD-4DIOPB <p>* “NV” implies a blade for SV8300.</p>
Trunk (BRT)	<ul style="list-style-type: none"> • BRI(4+4) : GCD-2BRIA + GPZ-2BRIA • BRI(4) : GCD-2BRIA • BRI(4+4) *NV: CD-2BRIA + PZ-2BRIA • BRI(4) *NV : CD-2BRIA <p>* “NV” implies a blade for SV8300.</p>
Trunk (PRT/DTI/CCT/QSIG)	<ul style="list-style-type: none"> • PRT : GCD-PRTA • CCT : GCD-CCTA • CCT(E1) : GCD-CCTA • DTI(T1) : GCD-PRTA • QSIG : GCD-PRTA • DTI(E1) : GCD-PRTA • PRT *NV : CD-PRTA • CCT *NV : CD-CCTA • CCT(E1) *NV: CD-CCTA • DTI *NV : CD-PRTA • QSIG *NV : CD-PRTA • DTI(E1) *NV : CD-PRTA <p>* “NV” implies a blade for SV8300.</p>

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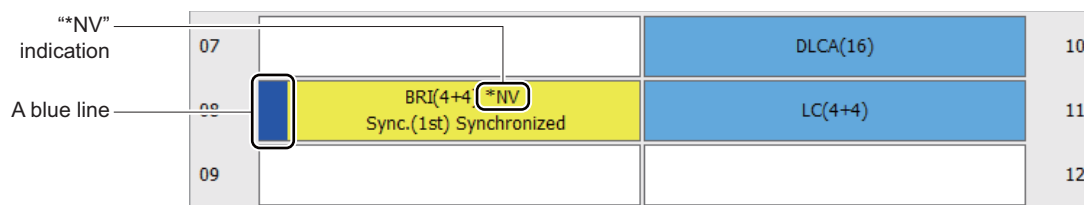
Right-Click Menu	Description
CSI	<ul style="list-style-type: none"> • CSIB *NV: CD-4CSIB/CD-4CSIB-A * “NV” implies a blade for SV8300
Others	<ul style="list-style-type: none"> • VM00 : GCD-VM00 • PVA : GCD-PVA • RGA : GCD-RGA • VM00 *NV: CD-VM00 • PVA *NV : CD-PVAA * “NV” implies a blade for SV8300.

Tips 1: Concerning Displayed Blade Information

- When the blade names are displayed as follows, they mean that the appropriate blades are mounted in slots and also system data is correctly assigned.
Example: COT(4), LC(8+8), DIOP(LD), PRT and others
* Numeric values such as (4) and (8+8) displayed with the blade name mean the number of available ports of the mounted blade. For example, LC(8+8) means that the LC blade with capacity of 16 ports is mounted.
- When the blade name is displayed in brackets or “!” mark is displayed in front of the blade name, they mean the following states.
 - When displayed in brackets : The system data for the appropriate blade has been assigned. However, the blade is not mounted in the Slot.
Example: (DLC), (COT), (DIOP(LD))
 - When displayed with “!” mark: The system data for the appropriate blade has been assigned. However, the blade which differs from the assigned system data is mounted in the Slot.
Example: ! DLC, ! COT, ! DIOP(LD)

Tips 2: Indication When Blades for SV8300 Are Mounted

- When blades for SV8300 are mounted, a blue line on the left side of the blade display and “*NV” at the end of the blade name appear as follows.



The table below shows the terminal types displayed in the port information of the system report.

<Terminal Type List Table>

Report Display Contents	Terminal Type	Remarks
(blank)	Single Line Station	
(blank)	ISDN Terminal Station	
02: D ^{term} IP INASET	D ^{term} IP INASET	
03: D ^{term} 85 (Series i) (IP Adapter Type)	D ^{term} 85 (Series i) (IP Adapter Type)	
05: D ^{term} 85 (Series i) (IP Bundled Type)	D ^{term} 85 (Series i) (IP Bundled Type)	
10: D ^{term} SP30	D ^{term} SP30	
12: DT710	DT710	
13: DT730/DT710 (Self-labeling)	DT730/DT710 (Self-labeling)	
14: DT750	DT750	
15: MH240	MH240	
16: SP350	SP350	
17: DT730DG	DT730DG	
18: DT730CG	DT730CG	
19: DT770G	DT770G	
21: DT830/DT830DG	DT830/DT830DG	
22: DT830CG	DT830CG	
23: DT820	DT820	NOTE 1
24: DT820 (Self-labeling)	DT820 (Self-labeling)	NOTE 2
25: DT930	DT930CG	Available from 9300V7 software. NOTE 3

Report Display Contents	Terminal Type	Remarks
26: DT920	DT920	Available from 9300V7 software.
	NOTE 4	
27: DT920 (Self-labeling)	DT920 (Self-labeling)	Available from 9300V7 software.
28: DT930 (Touch panel)	DT930 (Touch panel)	Available from 9300V7 software.
41: D ^{term} 85 (D ^{term} Series i)	D ^{term} 85 (D ^{term} Series i)	
42: D ^{term} 85 (D ^{term} Series i) Russian	D ^{term} 85 (D ^{term} Series i) Russian	
43: DT310	DT310	
44: DT330	DT330	
45: DT330 Chinese	DT330 Chinese	
46: DT510/DT410	DT510/DT410	
	NOTE 5	
47: DT430	DT430	
48: DT430 Chinese	DT430 Chinese	
49: DT530	DT530	Available from 9300V7 software.
70: Paging Adapter	Paging Adapter	
80: Standard SIP Station	Standard SIP Station	
FF: Others	PS and others	

NOTE 1: For 9300V3 software or before, “12: DT710” is displayed as a terminal type.

NOTE 2: For 9300V3 software or before, “13: DT730/DT710 (Self-labeling)” is displayed as a terminal type.

NOTE 3: For 9300V3 software or before, “23: DT820” is displayed as a terminal type.

NOTE 4: For 9300V3 STEP2 to 9300V6 software, “23: DT820” is displayed as a terminal type. For 9300V3 software or before, “12: DT710” is displayed as a terminal type.

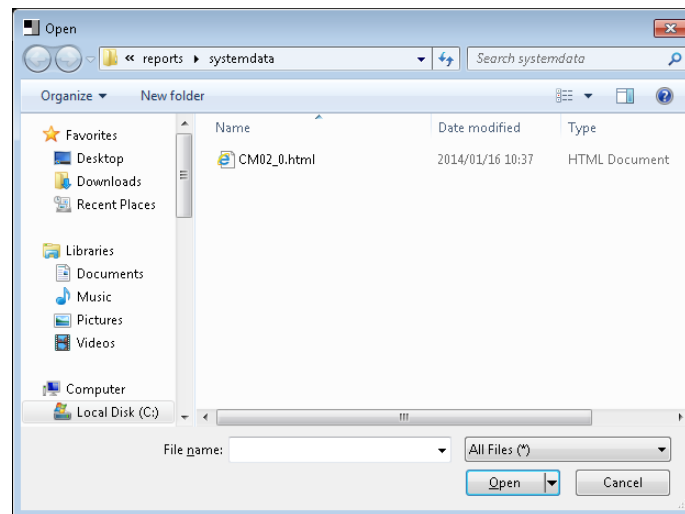
NOTE 5: DT510 is available from 9300V9 software or later. The terminal type between DT510 and DT410 cannot be identified by the System Check and Report. Also, DT510 is identified as DT410 for 9300V6 software or before (DT510 cannot be accommodated to SV9300 when using 9300V7/V8 software).

System Data

Displays the System Data report of each command read out from the SV9300.

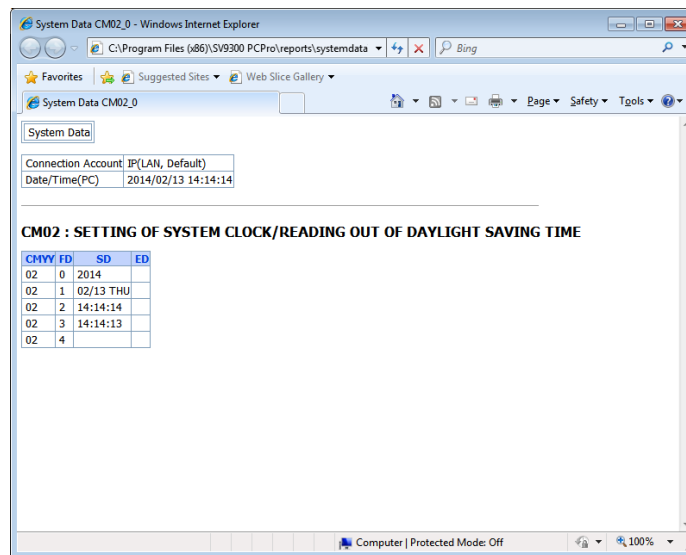
NOTE: *To display the System Data report, the reading system data is required beforehand by clicking the [Read] button on the [System Data] screen. [Page 6-3](#)*

STEP1: On the main menu, click [Tools] > [Reports] > [System Data] in this order.
The [Open File] dialog box appears.



The report files of each command are stored in the folder of Connection Accounts.

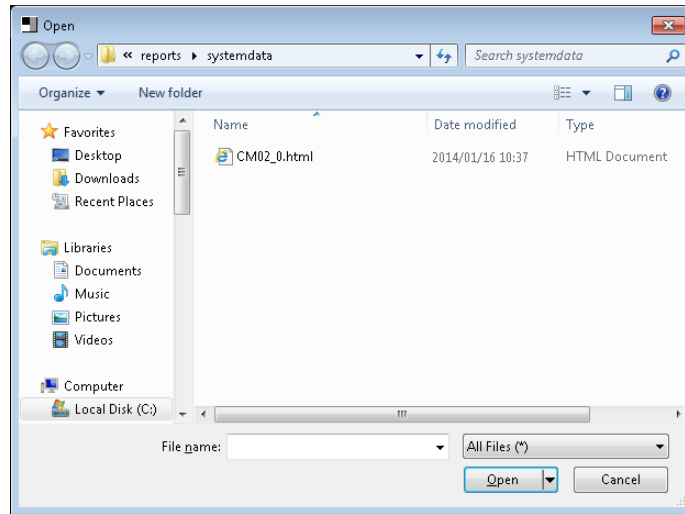
STEP2: Select a file and click the [Open] button.
Displays a system data of specified report file.



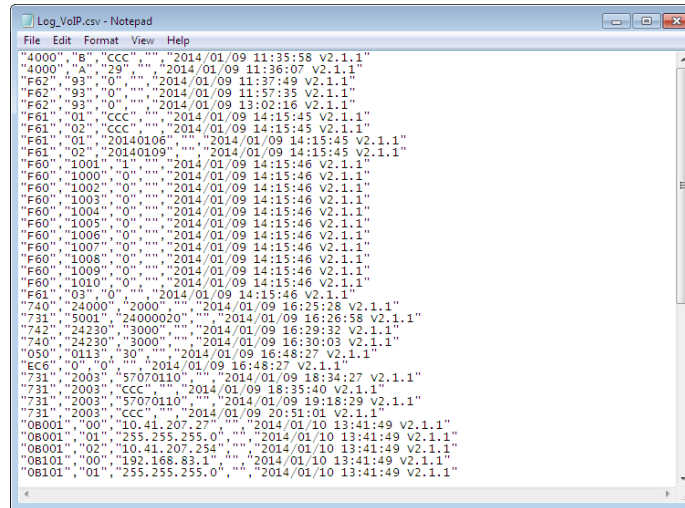
Log Viewer

Displays a system data history of upgrade report.

STEP1: On the Main Menu, click [Tools] > [Reports] > [Log Viewer] in this order.
The [Open File] dialog box appears.



STEP2: Select a file and click the [Open] button.
The [System Data History of Update Report] appears.



Settings


This chapter focuses on the various settings of PCPro.

- Connection Account
- PCPro Account
- System Data Conversion Tool
- Environmental Setup
- System Data Off-line Readout/Edit

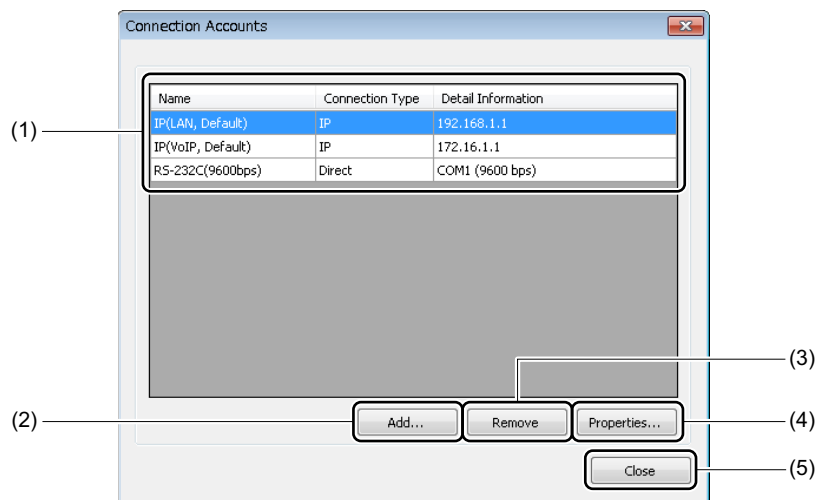
Connection Account

To create a connection account used to establish a communication link between the SV9300/Virtual PBX and PCPro, follow these steps:

STEP1: In the [PCPro] window, select one of the following:

- On the Main Menu, click [Tools] > [Connection Accounts] in this order.
- Click  the toolbar.

The [Connection Accounts] screen is displayed.



No.	Item	Description
(1)	Connection Accounts list	<p>Displays a list of connection accounts registered on PCPro. PCPro registered by default are the following accounts (the default accounts cannot be changed or removed):</p> <ul style="list-style-type: none"> • IP (LAN Default): IP connection, IP address: 192.168.1.1, Port number: 60000 • IP (VoIP Default): IP connection, IP address: 172.16.1.1, Port number: 60000 • RS-232C (9600bps): direct connection (RS-232C connection), COM port: COM1, baud rate (bps): 9600

Continued on next page

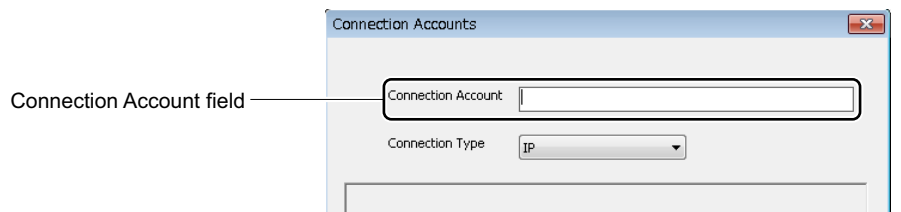
No.	Item	Description
(2)	[Add...] button	Click to add an additional connection account. The [Connection Accounts] screen is displayed. For more details, refer STEP2 and later. <ul style="list-style-type: none"> • Up to 1000 connection accounts can be added.
(3)	[Remove] button	Click to delete the connection account selected from the Connection Accounts list.
(4)	[Properties...] button	Click to view details on the connection account selected from the Connection Accounts list or to edit its settings.
(5)	[Close] button	Click to close the [Connection Accounts] screen.

STEP2: Click [Add...] button.

The [Connection Accounts] screen is displayed.

STEP3: Enter a connection account name in the Connection Account field.

NOTE: *The connection account name can be up to 128 characters long. A connection account name cannot be defined in duplicate.*



The subsequent course of action varies with each connection account.

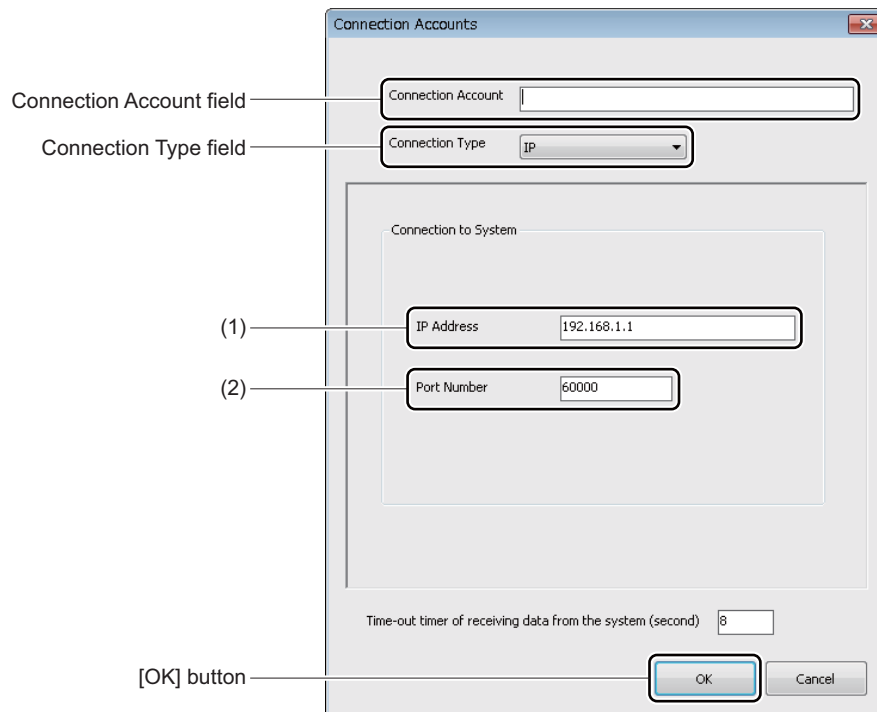
- IP Connection [Page 9-4](#)
- RS-232C Connection (Direct Connection) [Page 9-5](#)
- Modem/Terminal Adapter Connection [Page 9-6](#)
- Virtual PBX Connection (Office data file) [Page 9-8](#)

■ IP Connection

STEP4: Select “IP” from the Connection Type field.

The display of the Preferences Area will change to suit a IP connection.

STEP5: Set items (1) and (2).



No.	Item	Description
(1)	IP Address field	Enter the IP address of the SV9300. • 0.0.0.1 to 255.255.255.254 (default: 192.168.1.1)
(2)	Port Number field	Enter the communication port number of the SV9300. • 60000 (fixed value)
(3)	Time-out timer of receiving data from the system (second) field	Enter the timer value of time-out while receiving data from the system. • xx to xx (default: 8)

STEP6: Click the [OK] button.

The connection account is added to the [Connection Accounts] screen.

STEP7: Click [Close] button in the [Connection Accounts] screen.

The [Connection Accounts] screen closes, and returns you to the [PCPro] window.

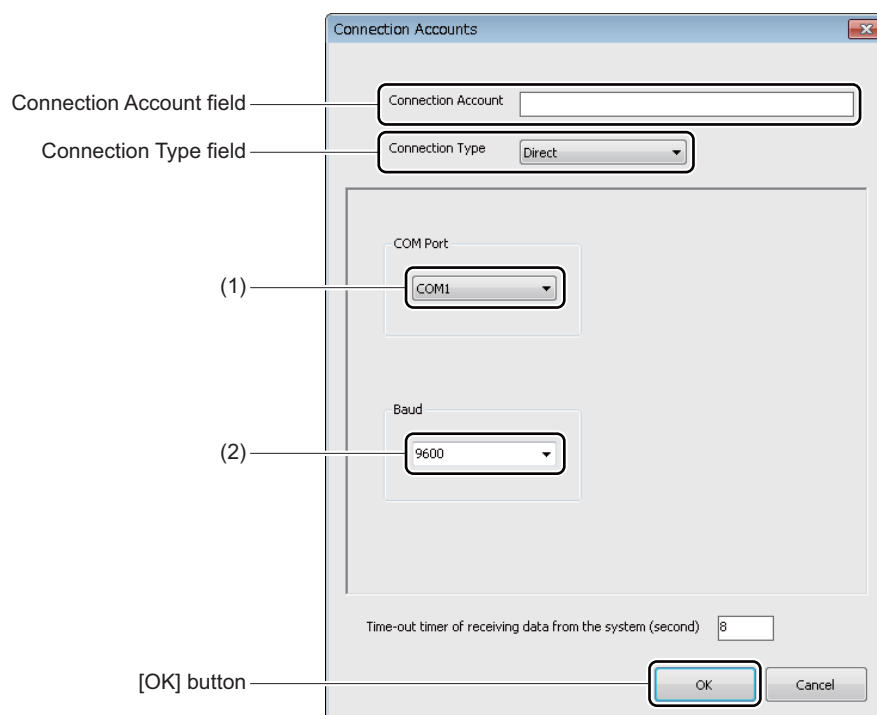
A connection account for an IP connection has now been created.

■ RS-232C Connection (Direct Connection)

STEP4: Select “Direct” from the Connection Type field.

The display of the Preferences Area will change to suit an RS-232C connection (direct connection).

STEP5: Set items (1) and (2).



No.	Item	Description
(1)	COM Port field	Choose from the following PCPro RS-232C connection ports to connect PCPro to the SV9300: <ul style="list-style-type: none"> • COM1 to COMX (default: COM1) * An usable COM port detected by PC is displayed.
(2)	Baud field	Choose from the following band rate between PCPro and SV9300: <ul style="list-style-type: none"> • 1200/2400/4800/9600/19200 (default: 9600)

No.	Item	Description
(3)	Time-out timer of receiving data from the system (second) field	Enter the timer value of time-out while receiving data from the system. • xx to xx (default: 8)

STEP6: Click the [OK] button.

The connection account is added to the [Connection Accounts] screen.

STEP7: Click [Close] button in the [Connection Accounts] screen.

The [Connection Accounts] screen closes, returning you to the [PCPro] window.

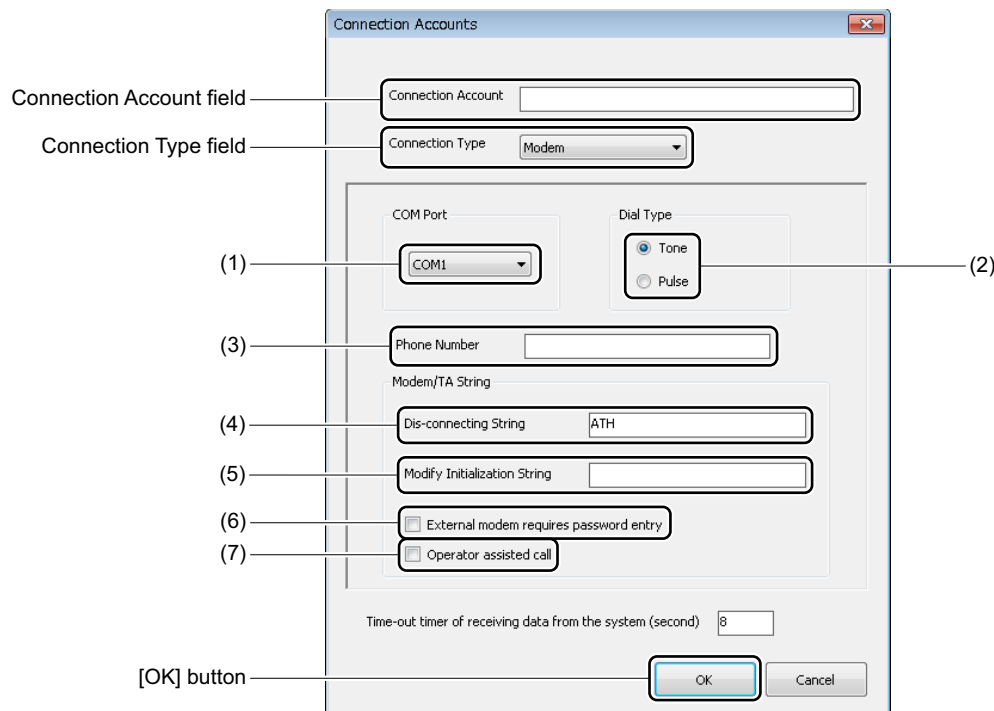
A connection account for an RS-232C connection (direct connection) has now been created.

■ Modem/Terminal Adapter Connection

STEP4: Select “Modem” or “Terminal Adapter” from the Connection Type field.

The display of the Preferences Area will change to suit a selected connection.

STEP5: Set items (1) to (7).



No.	Item	Description
(1)	COM Port field	Choose the RS-232C port of PCPro to which the modem is connected from the following: <ul style="list-style-type: none"> • COM1 to COMX (default: COM1) * An usable COM port detected by PC is displayed.
(2)	Dial Type field	Select the dialing type of the line used for communication. <ul style="list-style-type: none"> • Tone/Pulse (default: tone) * This item is only for Modem Connection.
(3)	Phone Number field	Enter the connection destination phone number. <ul style="list-style-type: none"> • Up to 40 digits (default: blank field)
(4)	Disconnecting String field	Enter a character string used by the modem to clear the communication link. <ul style="list-style-type: none"> • Up to 50 single-byte characters (default: ATH)
(5)	Modify Initialization String field	Enter a modem initialization character string as for specifying a particular speed. <ul style="list-style-type: none"> • Up to 50 single-byte characters (default: blank field)
(6)	External modem requires password entry	If the SV9300 uses an external modem to connect to PCPro, select this password if a password is required to gain access to the external modem. (default: unchecked).
(7)	Operator assisted call	Select this check box to perform a dial-up connection from a telephone set connected to the modem. (default: unchecked). <ul style="list-style-type: none"> * If this item is enabled, only the COM Port/Disconnecting string/Modify Initialization string field becomes functional.
(8)	Time-out timer of receiving data from the system (second) field	Enter the timer value of time-out while receiving data from the system. <ul style="list-style-type: none"> • xx to xx (default: 8)

STEP6: Click the [OK] button.

The connection account is added to the [Connection Accounts] screen.

STEP7: Click [Close] button in the [Connection Accounts] screen.

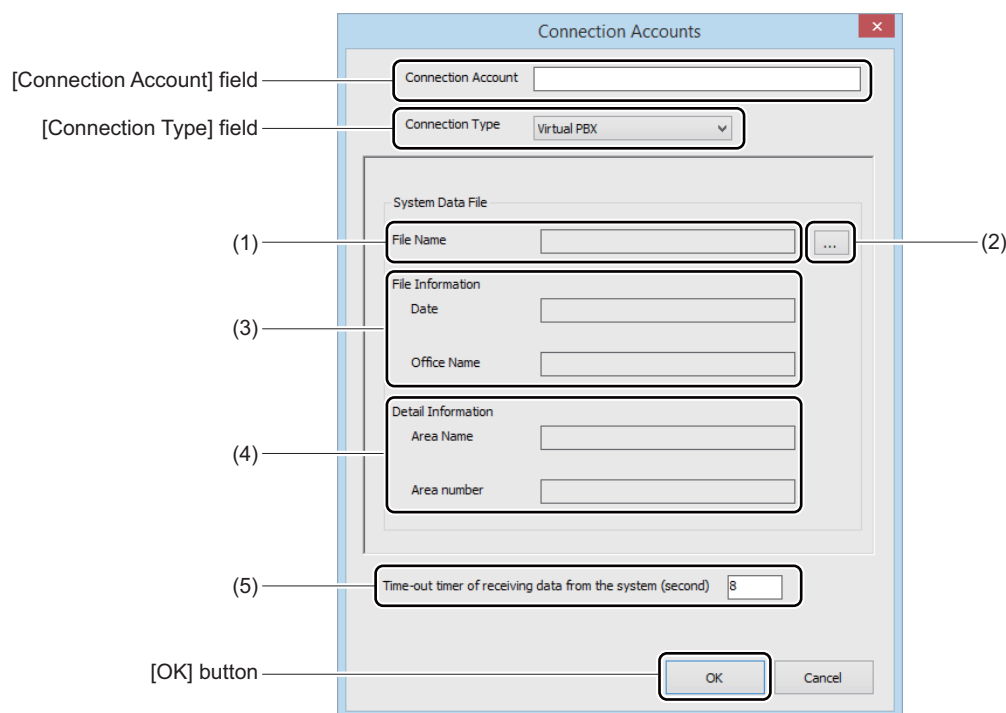
The [Connection Accounts] screen closes, and returns to the [PCPro] window.

A connection account for a modem/terminal adapter connection has now been created.

■ Virtual PBX Connection (Office data file)

- NOTE:** When using “Virtual PBX” of Connection Type, note the following conditions:
- The supported system data is SV9300. The system data of SV8300 is not supported.
 - The specified system data must be included “Area number 1: All system data (except Speed Dialing)”.

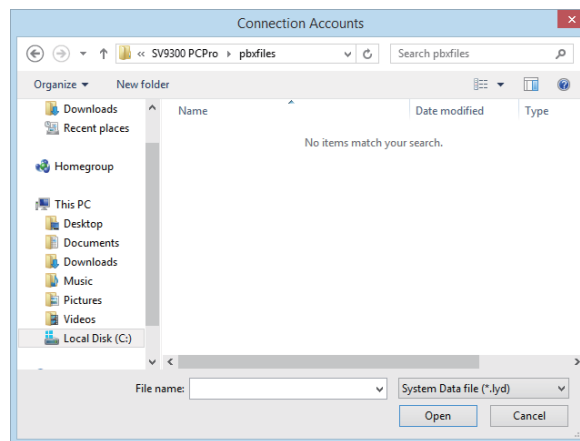
STEP4: Select “Virtual PBX” from the Connection Type field.
The display of the Preferences Area changes to suit a Virtual PBX connection.



No.	Item	Description	
(1)	File Name field	The specified system data file name with the full path is displayed.	
(2)	[...] button	Click to choose the system data file of Virtual PBX.	
(3)	File Information	Date	The last saved date of the specified system data file is displayed.
		Office Name	The office name (which is registered when the specified system data file is saved) is displayed.

No.	Item		Description
(4)	Detail Information	Area Name	The area name of the loading system data file is displayed.
		Area Number	The area number of the loading system data file is displayed.
(5)	Time-out timer of receiving data from the system (second) field		Enter the timer value of time-out while receiving data from the system. <ul style="list-style-type: none"> • xx to xx (default: 8)

STEP5: Click the [...] button.
The [Connection Accounts] screen is displayed.



STEP6: Choose the system data file of Virtual PBX, and then click the [Open] button.
The chosen system data file is read out.

NOTE: *When the specified system data file is not “Area number 1: All system data (except Speed Dialing)”, a warning message is displayed. Try to choose a correct system data file again.*

STEP7: Click the [OK] button.
The connection account is added to the [Connection Accounts] screen.

STEP8: Click [Close] button in the [Connection Accounts] screen.
The [Connection Accounts] screen closes, returning you to the [PCPro] window.

A connection account for a Virtual PBX connection (Office data file) has now been created.

PCPro Account

■ The kinds of PCPro Account

The following default accounts are prepared for logging on to PCPro:

- **admin** : This account is used for maintenance personnel. PCPro allows this account to use all functions.
- **manager** : This account is used for a manager of end users. The usable functions are limited on PCPro. For details of the usable functions, refer to the “Available Functions for Manager Account” list.

The following table shows the user names and the default passwords for each PCPro account at log on.

PCPro Account	User Name	Default Passwords
admin	admin	admin
manager	manager	manager

NOTE 1: *Be sure to change the default passwords for an “admin” account and a “manager” account. you cannot operate a PCPro without changing the default password of each account. For details of a password change, see “Changing Password of PCPro Account”.*

[📄 Page 9-12](#)

NOTE 2: *Both prepared user name “admin” and “manager” cannot be changed.*

NOTE 3: *The HTTP Server Settings screen cannot be opened on the Tools menu with a manager account. To open the HTTP Server Settings screen with the manager account, use the “HTTP Server Setting” button in the Terminal Phonebook screen.*

Available functions of a manager account are as follows:

Available Functions for Manager Account

Available Functions			Remarks	
Main Menu	File	Exit		
	View	Toolbars	Standard Buttons	The User settings and the Service menu cannot be changed.
		Status bar		
		Tooltips		
	Edit	Terminal Phonebook		
	Tools	PCPro Accounts...	Change Password...	
	Window	Close All		
	Help	Help		
		License		
About SV9300 PCPro...				
Toolbar	Edit	Terminal Phonebook		Toolbar cannot be changed.
	Tools	PCPro Accounts...	Change Password...	
	Help	Help		
Submenu (Standard Mode only)	[Services] category	Terminal Phonebook		Other mode cannot be displayed.

■ Changing Password of PCPro Account

The password associated with the name of a user who is logged in to PCPro can be changed in these steps:

NOTE 1: *The password entered here is not linked to the password on the SV9300.*

NOTE 2: *Be sure to change the default passwords for an “admin” account and a “manager” account. You cannot operate a PCPro without changing the default password of each account.*

NOTE 3: *The passwords that can be set for an “admin” account and a “manager” account are as follows.*

- *Input length: Eight or more digits (up to sixteen digits)*
- *Input characters: 0 to 9, A to Z, a to z*

NOTE 4: *When a password does not meet the above setting conditions in a login to a PCPro and the password is not changed, the PCPro will be terminated.*

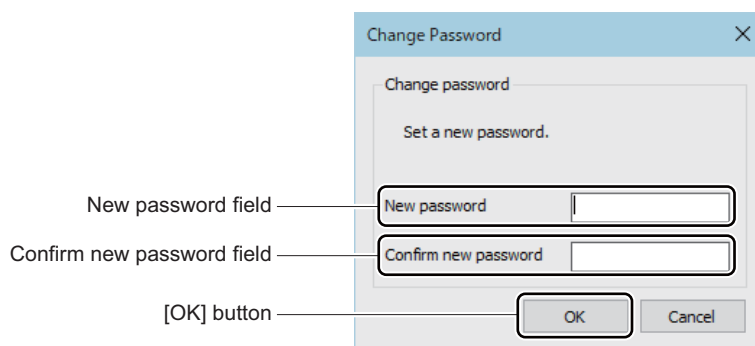
NOTE 5: *User Name and password are very important information. Handle them with extreme care.*

NOTE 6: *Default password is given for initial maintenance and operational settings. To enhance security of the password, change the default password in the course of the initial settings and periodically thereafter.*

NOTE 7: *Even if you conduct periodical password change, preventing unauthorized access is difficult if you use passwords that have low security strength (short password) or can be easily guessed (such as “123456789”, “abcdefg”, “password”, or “Administrator”). Use a complicated and not easily predictable password that contains alphabet letters (upper case and lower case), numbers, and symbols.*

NOTE 8: *If you use your control password with a low strength password on a device that can be controlled over a network, there is a risk of allowing an illegal access by a malicious third person. If an illegal access takes place, not only information leakage, but also damage to the system resulting from compromising availability and integrity, or used as a stepping stone for a cyber attack by a botnet may occur. We shall bear absolutely no liability and responsibility for any illegal accesses that occur because the product was used with a low strength password.*

STEP1: On the Main Menu, click [Tools] > [PCPro Accounts] > [Change Password] in this order. The [Change Password] screen is displayed.



- STEP2: Type the password you want to register in the New password field.
STEP3: Type the new password again in the Verify the Confirm new password field.
STEP4: Click the [OK] button.

Tips: *If you forget the changed password*

If you forget the changed password, re-install the PCPro by the following procedures.

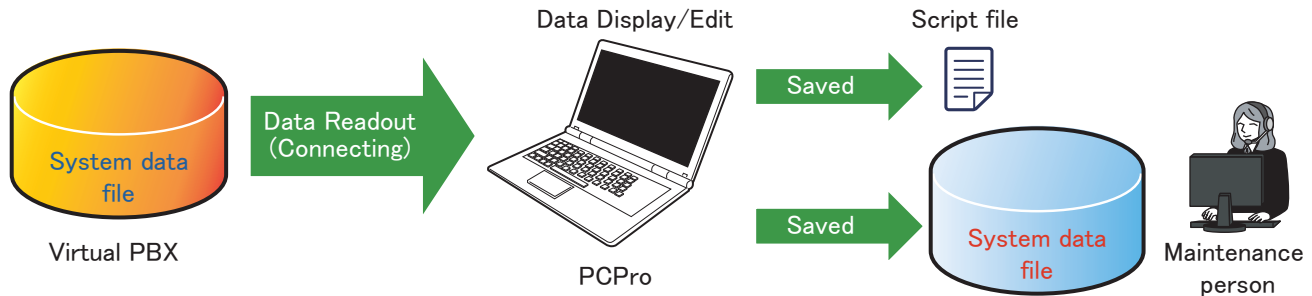
- 1. Uninstall the PCPro. [📄 Page 2-25](#)*
- 2. Delete <Installation Folder>\SV9300 PCPro\userdb folder*
- 3. Re-install the PCPro. [📄 Page 2-2](#)*

The password associated with the user who is logged on to PCPro has now been changed.

System Data Off-line Readout/Edit

The system data which is read out from Virtual PBX (which is assumed as the system data file of the system) can be displayed or be edited on PCPro. The system data edited on PCPro can be saved as another system data file.

Listing all of the system data of Virtual PBX is also available, and the results of executing them can be saved as a script file.



NOTE 1: *This feature is available only for a admin user. For details of PCPro account, refer to “The kinds of PCPro account” in PCPro Account.*

NOTE 2: *When “Virtual PBX” in Connection Type is chosen, the usable functions on PCPro are limited. For details, refer to “PCPro Account” in Chapter 9.*

To use the system data files makes it possible for the followings without connecting the system:

- Contents in the system data file can be displayed without loading to the system.
The desired system data file is registered as Virtual PBX, and PCPro can be connected with it. To display the system data, System Data Mode, the Script menu, or other menus in Standard Mode are used. For details, refer to “Virtual PBX Connection (Office data file)” of Connection Account in Chapter 9.
- The system data file can be edited and be saved as another system data file.
After connecting with Virtual PBX, the system data can be edited by using System Data Mode, the Script menu, or other menus in Standard Mode. The edited system data is saved as another file name on the System Data Save menu.
For details, refer to “System Data Save/Load/Verify” in [Maintenance] Category in Chapter 4.
- All of the system data in the system data file can be listed and be saved to an external file (script file).
After connecting with Virtual PBX, all of the system data can be listed by using a scenario of all system data list on the Script menu.
For details, refer to “Listing the All Office data in the Office Data File” in [Tools] Category.

[Page 4-101](#)

Available functions while connecting with Virtual PBX are as follows:

Available Functions While Connecting with Virtual PBX

Available Functions				Remarks	
Main Menu	File	Exit			
	View	Toolbars	Standard Buttons	The User settings and the Service menu cannot be changed.	
		Status bar			
		Tooltips			
	System	Connect...			
		Disconnect...			
		System Data Save/Load/Verify			
		Maintenance	System Check and Report		
	Edit	Standard			
		System Data			
		Command			
		Blade Configuration			
		Speed Dialing			
		Call Pickup Group			
		UCD Group			
		Station Hunting Group			
	Tools	Connection Accounts...		Environmental Setup is not displayed.	
		PCPro Accounts...	Change Password...		
		Script			
		Station Copy/Key Copy			
		Reports	System Check and Report...		
System Data...					
Communication Log...					

Available Functions While Connecting with Virtual PBX

Available Functions			Remarks	
Main Menu	Window	Close All		
	Help	Help		
		License		
		About SV9300 PCPro...		
Toolbar	Connect...		Toolbar cannot be changed.	
	Disconnect...			
	Command			
	Script			
	System Data Save/Load/Verify			
	Help			
Submenu	Standard			
	System Data			
	Command			
Standard Mode	Implement	Blade Configuration		
	Tools	Script		
	Services	Speed Dialing		
		Call Pickup Group		
		UCD Group		
		Station Hunting Group		
	Maintenance	System Check and Report		
		System Data Save/Load/Verify		
	Listup All CMD			
Command Mode	Command		Trace Information is unavailable.	

NOTE 1: *The system data of Virtual PBX cannot be saved by using the system data backup command (CMEC Y=6). (See the “< [Unavailable commands while using Virtual PBX](#) >”.) When saving the edited system data, use the System Data Save menu and save it as another file name.*

NOTE 2: *While using Virtual PBX, the reading, writing and execution by the following commands are not available.*

< Unavailable commands while using Virtual PBX >

- 1. The commands that require physical hardware (such as every kind of reset, system data backup, downloading, settings of MAC address, clock control, lamp control, reading information of connecting devices and its status, or commands required to use in an off-line mode).*
- 2. The commands that access memory except the system data (such as clearing the SRAM area or the SMDR billing data, traffic information, fault information, or license information).*

**1 For details of the unavailable commands while using Virtual PBX, see “Unavailable Command List Table” [📄 Page 9-18](#)*

**2 Even for the commands that are not listed in “Unavailable Command List Table,” some commands are not used by this feature.*

The unavailable commands while using Virtual PBX are as follows.

<Unavailable Command List Table>

Unavailable Command	Description	Remarks
CM00>02	SRAM Area All Clear	
CM00>10	Billing Memory Clear (SRAM)	
CM00>11	Record for SMDR Clear (SRAM)	
CM02	Setting of System Clock/Reading out of Day-light Saving Time	
CM0B Y=000>90	Unit No. setting	Available on off-line mode
CM0B Y=0XX>88	Read the MAC address of the Maintenance Port (for STBY-CPU)	
CM0B Y=0XX>89	Read the MAC address of the Maintenance Port (for Single CPU/ACT-CPU)	
CM0B Y=1XX>88	Read the MAC address of the VoIP Port (for STBY-CPU)	
CM0B Y=1XX>89	Read the MAC address of the VoIP Port (for Single CPU/ACT-CPU)	
CM0B Y=1XX>153	SNTP query	
CM0B Y=2XX>70	MAC Address of the VoIPDB (for STBY-CPU)	
CM0B Y=2XX>80	MAC Address of the VoIPDB (for Single CPU/ACT-CPU)	
CM0C Y=50	Start updating IP Station firmware	
CM0C Y=52	Remote System Upgrade (Main/Remote/Secondary unit)	
CM0C Y=53	Downloading CPU Program (for STBY-CPU)	
CM12 Y=29	Applying LCD display settings of Multiline Terminal	
CM12 Y=89	Reset for Multiline Terminal	

Unavailable Command	Description	Remarks
CM12 Y=90	MAC Address automatic registration in Fixed Connection Mode/Registered IP Station MAC Address display/clear	
CM12 Y=92	MAC Address registration in Fixed Connection Mode	
CM12 Y=93	Security Lock Cancel (forced) for DT700/DT800/DT900 Series	
CM12 Y=96	Standard SIP station connection status (Only display)	
CM12 Y=101	Login lock state	
CM1D Y=20	PS/Standard SIP station Configuration Settings	
CM60 Y=90	DESKCON Soft Reset	
CM81 Y=29	Restriction state by Scam Call detection	
CMAF Y=998	Work Memory All Clear of DBM (for PCS)	
CMB3 Y=9>999	Clear all UCD PEG COUNT data	
CMB5	PEG COUNT	
CMB6	Network Statistics	
CMBA Y=99	Clearing the cache table	
CME1	To display Check Sum data on CPU memory / To display Check Sum data on Speech Synthesis memory	
CME6 Y=50	Destination of ISDN Alternative Routing in Remote Unit survival mode (station basis)	Not writable
CME8	Firmware download / VoIPDB Firmware download	
CMEA Y=0	Fault information display	
CMEA Y=1	Clear External Alarm Kind (MJ/JN)	
CMEA Y=6>01	Display the call logs that are collected in the CPU (Only Display) or clear the logs	
CMEA Y=6>11	Terminals/VoIPDB to collect fault logs	
CMEC Y=0	Battery release	

Unavailable Command	Description	Remarks
CMEC Y=1	Line status display [See Line Status Display Operation]	
CMEC Y=5	System data copy from ACT-CPU to STBY-CPU by manual operation	
CMEC Y=6	System data backup	
CMEC Y=7	SDRAM Data Clear	Available on off-line mode
CMEC Y=8	System data copy from the Main unit to Remote units	
CMEC Y=9	Applying Day Mode/Night Mode to all Multi-line Terminals	
CMEC Y=C	Change Power ON/OFF by Multiline Terminal Power Saving	
CMEC Y=D	VRS data	
CMF6	Operation Log/MP-FP Command Output	
CMF7	HIGHWAY Channel Memory Read/Reassignment	
CMF8	Option Value/Hardware KEY Code Read	
CMF9	System Status Display	
CMFA	Read the IP Station firmware version	
CMFB	Remote Program Download Information Read	
CMFC	VoIPDB Information Read	

■ Establishing a Communication Link with Virtual PBX

To establish a communication link between PCPro and Virtual PBX, follow these steps:

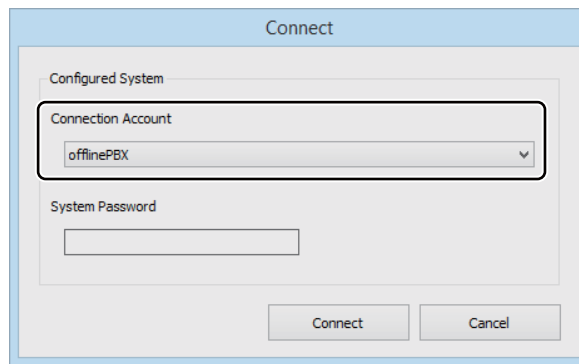
STEP1: Launch PCPro. [Page 2-4](#)

STEP2: On the Main Menu, click [System] > [Connect...].
The [Connect] screen is displayed.

STEP3: Select Virtual PBX in Connection Account.

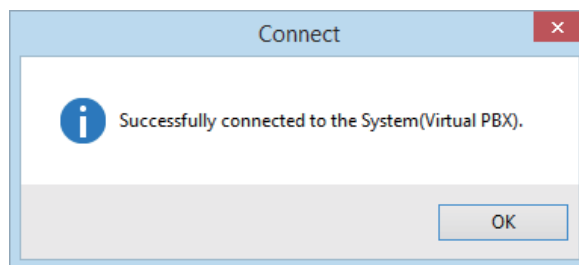
STEP4: When connecting with Virtual PBX, log on to PCPro with an account assigned Virtual PBX in Connection Type. For details of Connection Type, refer to “Connection Account”.

[Page 9-2](#)



STEP5: Click the [Connect] button.

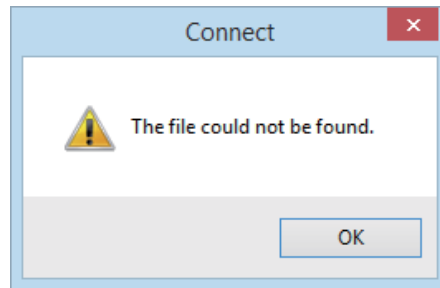
If you successfully log on to Virtual PBX, a dialog appears saying “Successfully connected to the System(Virtual PBX).”.



The [Connect] screen closes. The following information list is displayed on the status bar in the [PCPro] window:

- Connection Account (account in which PCPro is connected to Virtual PBX)
- BIOS version of Virtual PBX
- Virtual PBX version

If you fail to log on to Virtual PBX, a dialog appears saying “The file could not be found.”. Take remedial action as recommended in “Troubleshooting a Connect Failure.”



A communication link has now been established between PCPro and Virtual PBX.

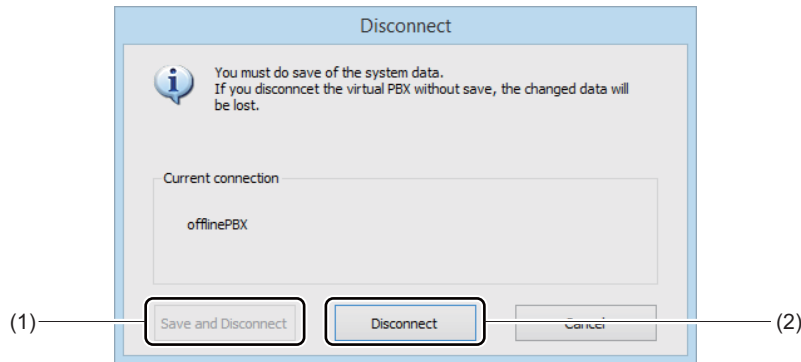
■ Clearing a Communication Link with Virtual PBX

To clear a communication link between PCPro and Virtual PBX, follow these steps:

STEP1: On the Main Menu, click [System] > [Disconnect...] in this order.

The [Disconnect] dialog box is displayed.

STEP2: Click the [Disconnect] button.



No.	Item	Description
(1)	[Save and Disconnect] button	Not used.
(2)	[Disconnect] button	Click to clear the communication link to Virtual PBX. NOTE: <i>By clicking this button, the system data you edited will be also cleared. When you need the edited system data, save as another system data file by using System Data Save before disconnecting Virtual PBX.</i>

The [Disconnect] dialog box closes. The connection information displayed on the status bar in the [PCPro] window disappears.

The communication link to Virtual PBX has now been cleared.

System Data Conversion Tool

System Data Conversion Tool is the tool to convert the system data for SV8300 to that for SV9300. Because System Data Conversion Tool automatically converts the system data, maintenance personnel can set the system data without resetting all system data. In addition, by a report of system data conversion, you can compare the system data before the conversion and after the conversion.

The system data targeted for system data conversion is the following five types.

- Commands that the meaning of second data is changed
- Commands that the default data is changed
- Commands that the second data is changed to recommended data for SV9300
- Merged commands due to simplify the complicated commands
- Commands related to Speed Dialing expansion

NOTE 1: *By using System Data Conversion Tool for SV9300, you cannot convert from the system data for NEAX2000 IPS to that for SV9300.*

NOTE 2: *When converting system data from SV8300 using this tool, if the setting of soft keys is changed from the default setting, the modified conditions is applied.*

NOTE 3: *The history of scripts changed by System Data Conversion Tool is not outputted on the history of changed system data in a Maintenance Report.*

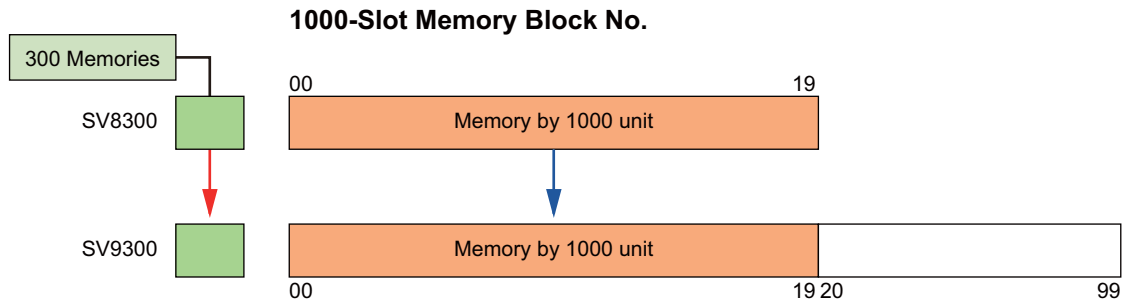
NOTE 4: *As for the system clock assigned by CM02, the date and the time is set at executing a script.*

NOTE 5: *The script output for SV9300 executes the system data backup (CMEC Y=6) at the end of the script.*

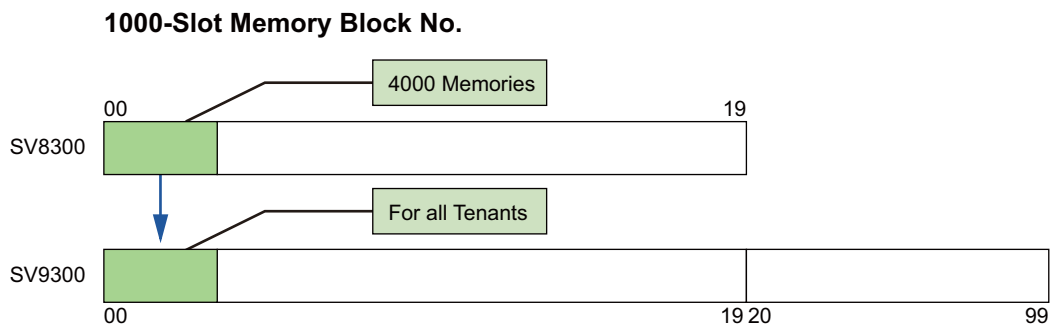
NOTE 6: *The way of starting Remote Units is the same as usual.*

Tips: *Memory to be used for Speed Dialing*

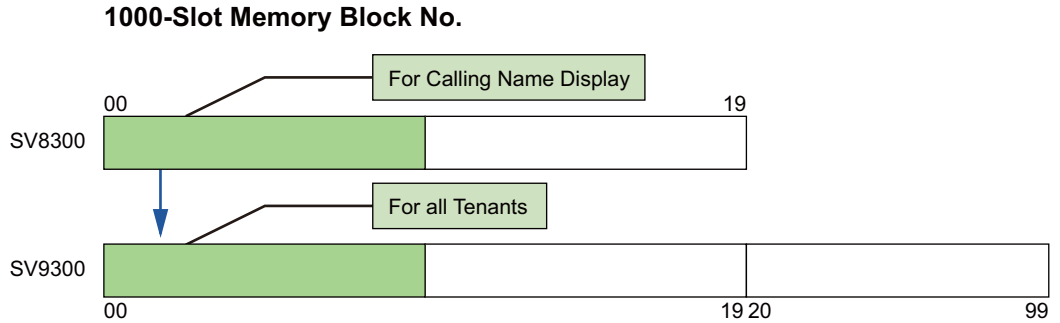
- The contents of registered 1000-Slot Memory Blocks (00-19) for SV8300 are also copied to the 1000-Slot Memory Blocks (00-19) for SV9300. The contents of registered 300 memories for SV8300 are also copied to the 300 memory area for SV9300.



- For Station Speed Dialing, because the allocation of memory area is the same even after a system data conversion and uses the same access codes and Line/Trunk Features keys, you can still use them the same as before. To expand the number of blocks for each station, it is necessary to allocate the memory area again.
- For System Speed Dialing (300 memories), it is necessary to allocate the memory area manually for the memory by 1000 units (for details, refer to the “UNIVERGE SV9300 Migration Manual”).
- For System Speed Dialing (4000 memories), targeted 1000-Slot Memory Blocks are automatically set to “For all tenants” area of System Speed Dialing. Access codes and Line/Trunk Feature keys can be used for conventional 4000 memories and System Speed Dialing 2-4 digits origination.



- Because targeted 1000-Slot Memory Blocks are automatically set to “For all tenants”, an area used for Calling Name Display for incoming call from ISDN/T1-ANI/MFC-R2 route (assigned by SV8300 CM35 Y=156) functions as usual.



■ Procedures for System Data Conversion

Procedures for system data conversion are as follows.

1. Preparing the System Data File for SV8300

Save the all system data of SV8300 by the [System Data Save/Load/Verify] menu of SV8300 PCPro.

2. System Data Conversion

By using System Data Conversion Tool of SV9300 PCPro, convert the system data file (*.syd) saved by the [System Data Save/Load/Verify] menu of SV8300.

[Page 9-28](#)

Conversion procedures are as follows.

Step1: Select of Office Data

Step2: Confirmation of the selected contents

Step3: Execute conversion

Step4: Display of Converted Result

3. Switching SV9300 to Off-Line Mode

Switch SV9300 to off-line mode. For details of the switching method to off-line mode, refer to the “Command Manual”.

4. Clearing all System Data for SV9300

Clear all system data of SV9300 using System Data Mode or Command Mode of SV9300 PCPro. [Page 6-1](#), [Page 7-1](#)

5. Executing the Script File after System Data Conversion

Execute the script file (scenario) file after system data conversion using the [Script] menu. [Page 4-98](#)

Tips 1: *Preparing System Data File for SV8300*

To save the system data file for SV8300 by the [System Data Save/Load/Verify] menu, specify the following system data area.

System data area (Area number: 1, 2, 4, 80, 81): All system data + All service memory + Registration data by MAC authentication + DBM data (SRAM)

For details, refer to the “UNIVERGE SV8300 PC Programming Manual”.

Tips 2: *Time required for System Data Conversion*

In general, the time required for system data conversion is about one hour.

1. *Preparing the system data for SV8300* : 15 minutes
2. *System data conversion* : 10 minutes
3. *Switching SV9300 to off-line mode* : 5 minutes
4. *Clearing all system data for SV9300* : 5 minutes
5. *Executing the script (scenario) file after system data conversion: 20 minutes*

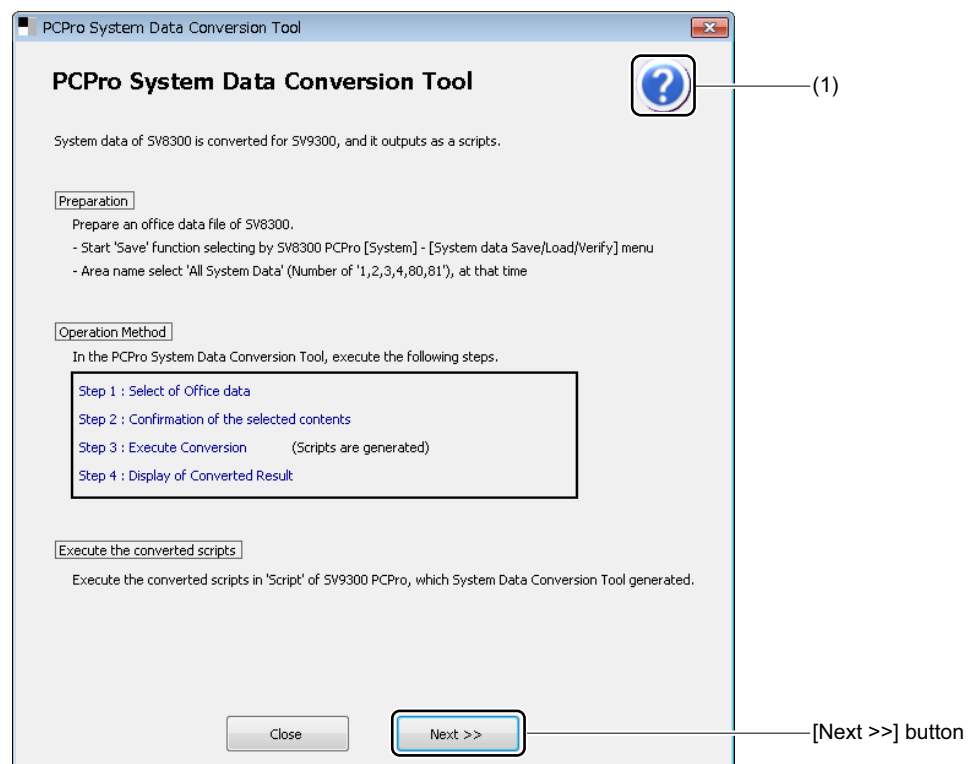
** Depending on the system data setting condition of the system to be converted, operation time increases or decreases.*

■ **System Data Conversion**

STEP1: Take one of these actions:

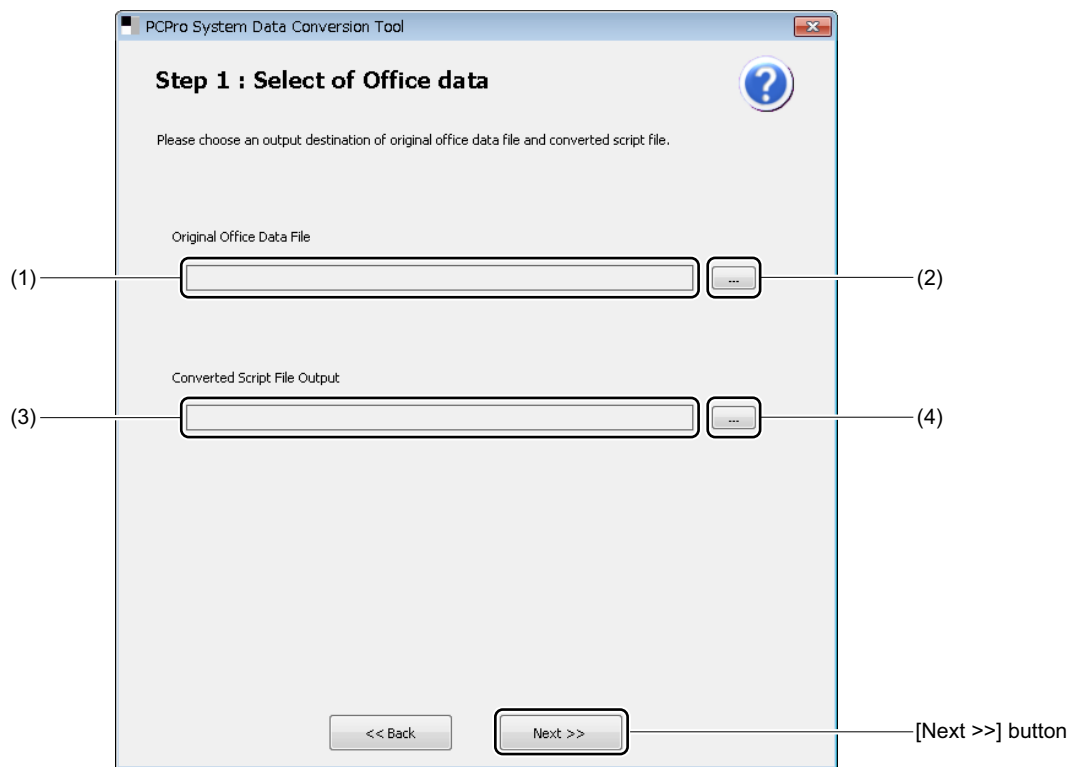
- Click [Start] > [NEC SV9300 PCPro] > [NEC System Data Conversion Tool] in order in Windows OS.
- On the Main Menu, click [Tools] > [System Data Conversion Tool...] in order.

The [System Data Conversion Tool] screen is displayed.



Tips: *When you click the [Help] button in the right top of the [System Data Conversion Tool] screen, On-line Manual (SV9300 PC Programming Manual) launches. Refer the operation procedures and others, if necessary.*

STEP2: Click the [Next >>] button.
The [Step1: Select of Office data] screen is displayed.



No.	Item	Description
(1)	Original Office Data File field	Displays an original office data file. * If you select an original office data file, the following path is set to the Converted Script File Output field. Path: Office data file path + “/Output_” + Office data file name (except extensions)
(2)	[...] button	Click to select an original office data file on the [PCPro System Data Conversion Tool] dialog box.
(3)	Converted Script File Output field	Displays the output destination of a converted script file.
(4)	[...] button	Click to change the output destination of a converted script file on the [Browse For Folder] dialog box.

Tips: *Output Folder and File Configuration*

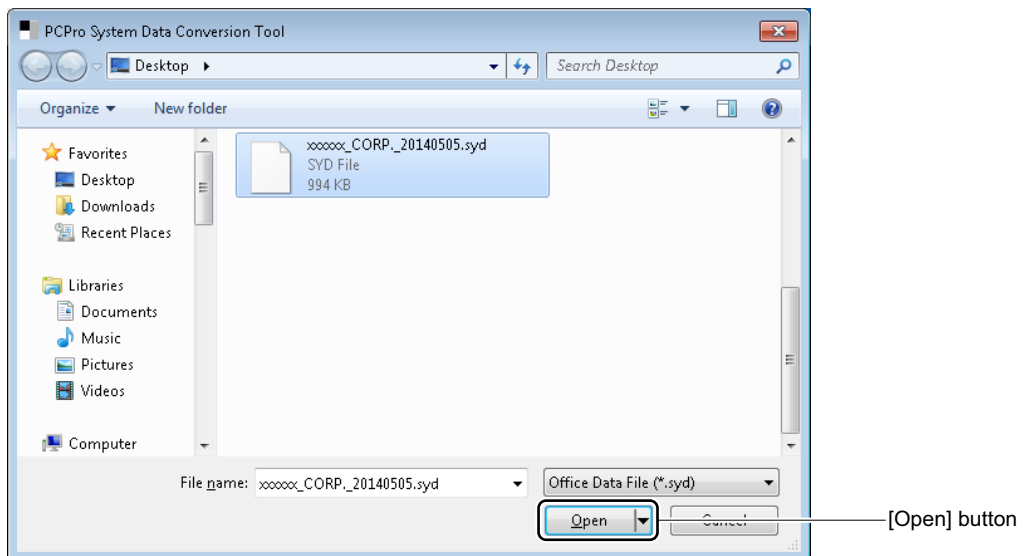
- An output folder is generated when clicking the [Conversion] button on the [Step: Confirmation of the selected contents] screen.
- An output folder is generated in the directory specified by the maintenance personnel. The file configurations to be generated are as follows.
 - *ConvertedSystemData.html*: Report of data conversion
 - *Converted folder*: System data after a conversion (Script file for SV9300)
 - Scenario.list* : Scenario file
 - *.csv* : Script file for each command
 - *Original folder*: System data before a conversion (Script file for SV8300)
 - *.csv* : Script file for each command

STEP3: Click the [...] button of the Original Office Data File field.

The [PCPro System Data Conversion Tool] dialog box is displayed.

STEP4: Select the system data file (*.syd), and click the [Open] button.

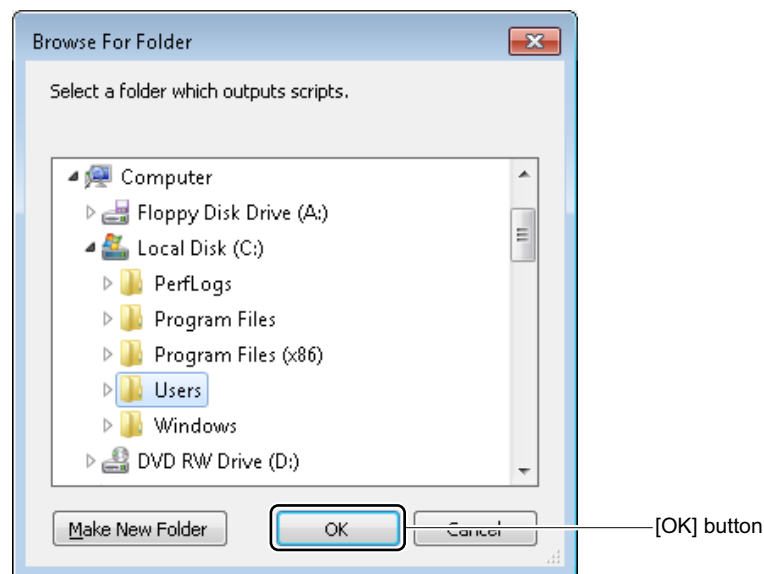
The screen returns to the [Step1: Select of Office data] screen.



STEP5: To change the output destination of a converted script file, click the [...] button of Converted Script File Output field.

The [Browse For Folder] dialog box is displayed.

STEP6: Select the output destination of a converted script file, and click the [OK] button.
The screen returns to the [Step1: Select of Office data] screen.

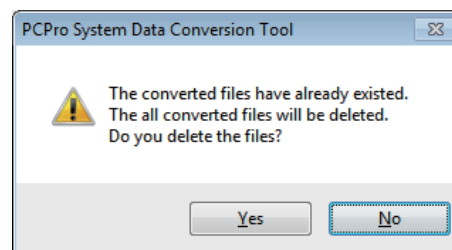


STEP7: Click the [Next >>] button.

The [Step2: Confirmation of the selected contents] screen is displayed.

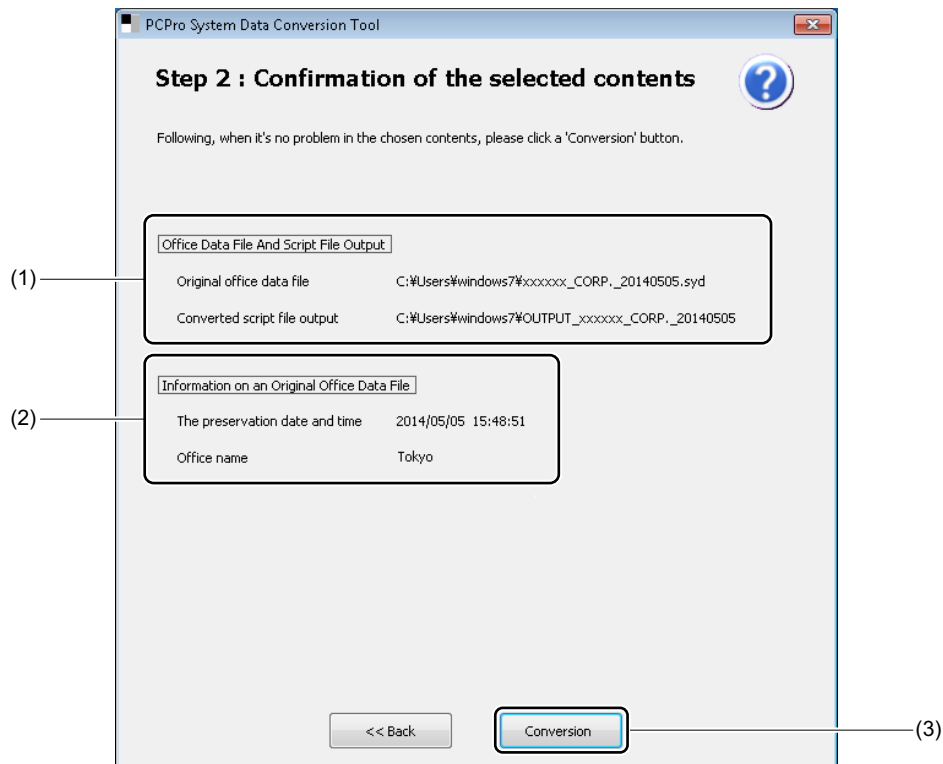
* If a script file exists in the selected folder, the following dialog box is displayed.

To overwrite the file, click the [Yes] button. To specify a script file again, click the [No] button.



STEP8: Confirm the selected contents on the [Step1: Select of Office data] screen.

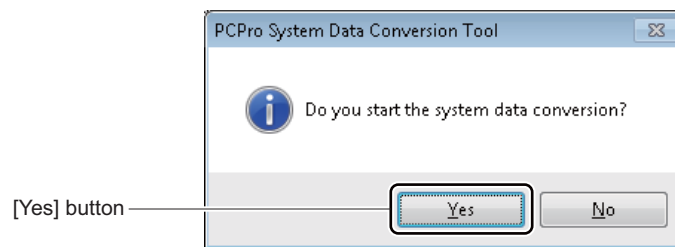
- To change the Office Data File and Script File Output, return to the previous screen using the [<< Back] button.
- To execute the system data conversion with this settings, go to STEP9.



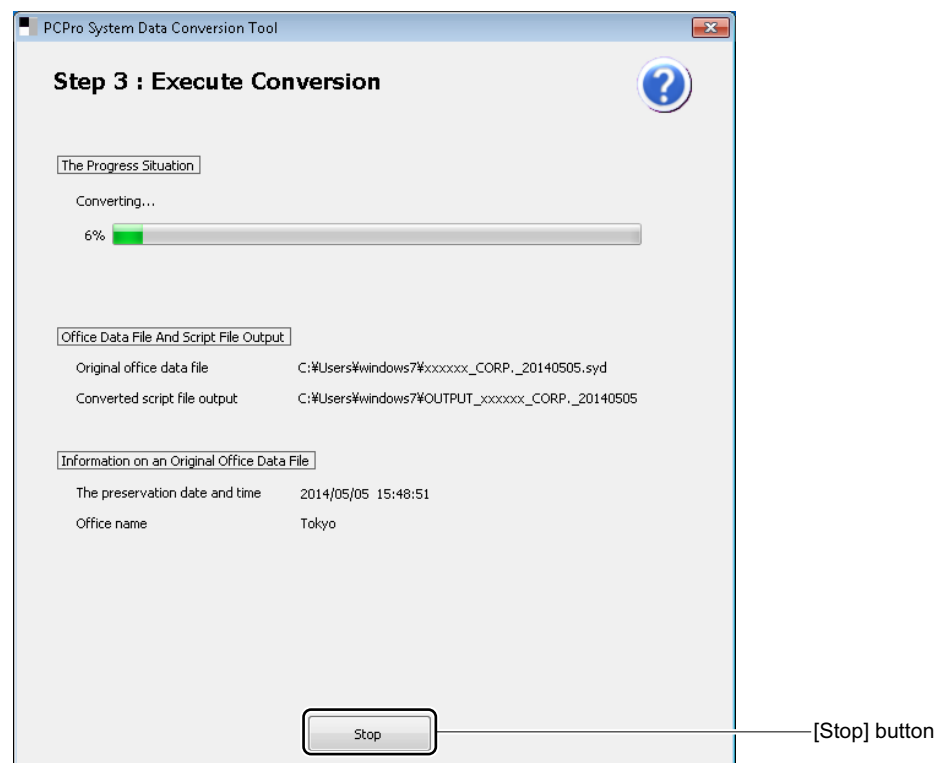
No.	Item		Description
(1)	Office Data File And Script File Output Area	Original office data file	Displays the file path selected on the [Step1: Select of Office data] screen.
		Converted script file output	Displays the file path selected on the [Step1: Select of Office data] screen.
(2)	Information Area on an Original Office Data File	The preservation date and time	Displays the preservation date and time set to the office data file.
		Office name	Displays the office name set to the office data file.
(3)	[Conversion] button		Click to execute a system data conversion.

STEP9: Click the [Conversion] button.

STEP10: Click the [Yes] button.



The screen switches to the [Step3: Execute Conversion] screen, and PCPro starts the system data conversion.

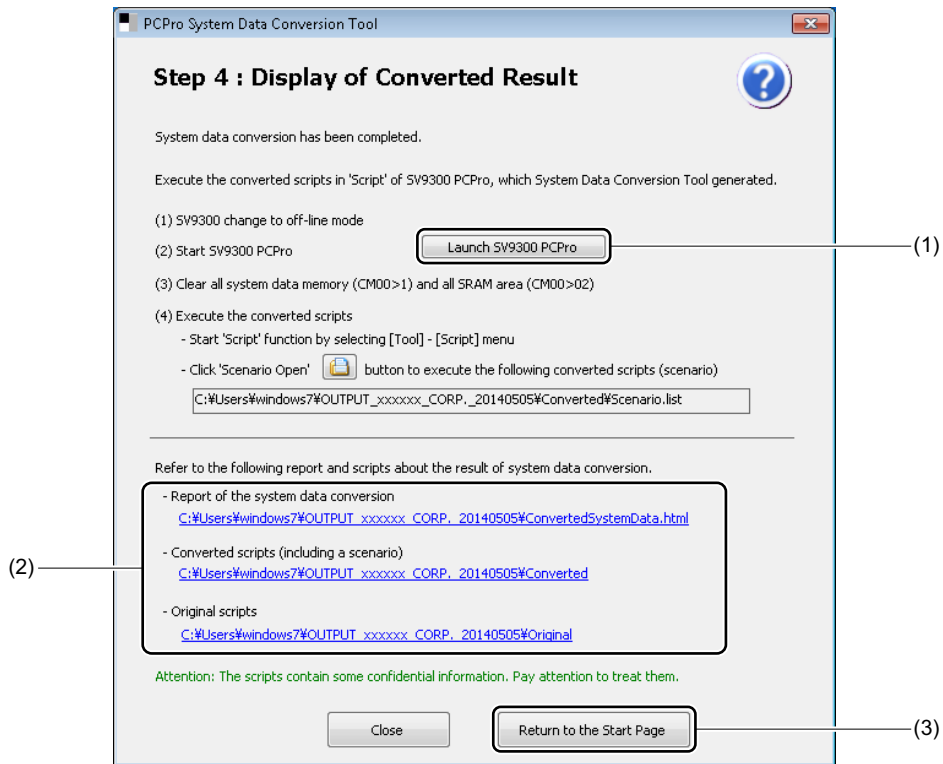


* If you click the [Stop] button, the following dialog box is displayed. To stop the process, click the [Yes] button. To continue the process, click the [No] button.

NOTE: *If you stop a system data conversion, a script file after the conversion is outputted until interruption. When converting the same system data file again, all script files previously converted are overwritten.*

When the process of system data conversion is completed, the screen switches to the [Step4: Display of Converted Result] screen.

STEP11: Verify the converted result.



No.	Item		Description
(1)	[Launch SV9300 PCPro] button		Click to launch SV9300 PCPro.
(2)	Output File Display Area	Report of the system data conversion	Displays the output destination of report of the system data conversion. A folder selected on the [Step1: Select of Office data] screen +“\ConvertedSystemData.html”
		Converted scripts (including a scenario)	Displays the output destination of a script (scenario) file after system data conversion. A folder selected on the [Step1: Select of Office data] screen +“\Converted”
		Original scripts	Displays the output destination of a script file before system data conversion. A folder selected on the [Step1: Select of Office data] screen +“\Original”

Continued on next page

No.	Item	Description
(3)	[Return to the Start Page] button	<p>Click to return to the [PCPro System Data Conversion Tool] screen.</p> <p>To return the [PCPro System Data Conversion Tool] screen, click the [Yes] button of the confirmation dialog box.</p>

Tips: *Operations after System Data Conversion*

After system data conversion, do the following operations in accordance with the procedures of the [Step 4: Display of Converted Result] screen.

1. Launch SV9300 PCPro by clicking the [Launch SV9300 PCPro] button.
* When SV9300 PCPro has already been lunched, go to the next step.
2. Clear the all system data (CM00>1) of SV9300 by System Data Mode or Command Mode of PCPro. [☞ Page 6-1, Page 7-1](#)
3. Click [Tools] > [Script] in order on the Main menu to lunched the [Script] menu.
4. Click the [Scenario Open] button, and execute the script (scenario) file after system data conversion. [☞ Page 4-98](#)

System data have now been converted.

■ Report of System Data Conversion

The following table shows the items to be displayed on the report of system data conversion.

<Display Item List Table for Report of System Data Conversion>

Report Category	Item	Description
Description of the system data conversion	Completed time of conversion	Outputs the date and the time when the system data conversion is completed.
	Original office data file	Outputs the file path selected on the [Step1: Select of Office data] screen.
	The preservation date and time	Outputs the date and the time saved in the system data file.
	Office name	Outputs the office name set in the system data file.
	The number of converted script files	Displays the number of script files output for SV9300.
Converted commands List	List of commands whose second data were changed to recommended data in a SV9300 system	Displays the list of commands whose second data were changed to recommended data in a SV9300 system. <ul style="list-style-type: none"> • Original: CMD, FD, SD before a system data conversion • Converted: CMD, FD, SD after a system data conversion • Description: Contents of changed settings
	List of commands whose meaning of default data were changed in a SV9300 system	Displays the list of commands whose meaning of default data were changed in a SV9300 system. <ul style="list-style-type: none"> • Original: CMD, FD, SD before a system data conversion • Converted: CMD, FD, SD after a system data conversion

Continued on next page

Report Category	Item	Description
Converted commands List	List of commands whose meaning of setting data were changed in a SV9300 system.	Displays the list of commands whose meaning of setting data were changed in a SV9300 system. <ul style="list-style-type: none"> • Original: CMD, FD, SD before a system data conversion • Converted: CMD, FD, SD after a system data conversion
	List of merged commands due to simplify the complicated commands in a SV9300 system	Displays the list of merged commands due to simplify the complicated commands in a SV9300 system. <ul style="list-style-type: none"> • Original: CMD, FD, SD before a system data conversion • Converted: CMD, FD, SD after a system data conversion
Converted the commands for the speed dialing	Usage of 1000-Slot Memory Block/Setting status for Calling Name Display for incoming calls	Displays the usage of memory for Speed Dialing and the setting status of Calling Name Display for incoming calls by diagrams of 1000-Slot Memory Block unit.
	Allocation of a memory before a conversion	Displays the command list (Original) by the table. <ul style="list-style-type: none"> • Original: CMD, FD, SD before a conversion
	Allocation of a memory after a conversion	Displays the command list (Converted) by the table. <ul style="list-style-type: none"> • Converted: CMD, FD, SD after a conversion
The list of the commands which are NOT transferred	-	Displays the list of commands which are not transferred. * These commands are required to register manually, if necessary.

NOTE: *System Data and Settings Which Are Not Transferred*

The following system data for SV8300 are not applicable for system data conversion. Set those system data manually by the system data of SV9300 after executing the script file to be outputted for SV9300.

System Data for SV8300 Which Are Not Transferred		System Data for SV9300 Which Are Manually assigned for Transfer
CM03	LOG IN/LOG OUT OF PASSWORD MODE	CM03
CME7	PASSWORD LEVEL	CME7
CME9	PASSWORD	CME9
CM72 Y=0*	Called Party Number for System Speed Dialing (300 memories)	CM74 Y=0
CM72 Y=1*	Called Party Number for System Speed Dialing (300 memories): Called Party Name Character Code	CM74 Y=1
CM72 Y=2*	Called Party Number for System Speed Dialing (300 memories): Called Party Name Character by PCPro	CM74 Y=2
CM72 Y=4*	Called Party Number for System Speed Dialing (300 memories): Called Party Name Character Code (for Russian)	CM74 Y=4
CM74 Y=4	Called Party Number for System/Station Speed Dialing: Called Party Name Character Code (for Russian)	CM74 Y=4
CM77 Y=5	Station Name assignment with character code (for Russian): Character Code	CM75 Y=5
CM9A Y=18	Setting of Soft Key name for each Pattern Number (Pattern Number 0) (for Russian)	CM9A Y=18
CM40 Y=08	Data speed	CM40 Y=08
CME6 Y=50	Mobile phone number link up with a Mobility Access station number	CME6 Y=50
CMF6 Y=2	MP-FP command output setting (for realtime mode)	CMF6 Y=2

* For details when transferring the system data (CM72 Y=0/1/2/4) for System Speed Dialing (300 memories), refer to the UNIVERGE SV9300 Migration Manual.

Environmental Setup

You can configure the maximum number of the displays of System Data, a link to the SV9300, select a Chinese Character and display or set FTP server information.

- Options
- FTP Server Settings [Page 9-43](#)
- HTTP Server Settings [Page 9-47](#)

Options

You can set the maximum number of the displays of System Data, monitor the status of an IP connection, set message display and select a Chinese Character.

- Display
- Connection [Page 9-41](#)
- Chinese Character [Page 9-42](#)

■ Display

You can set the maximum number of the displays of System Data when you display multiple System Data screen with tab.

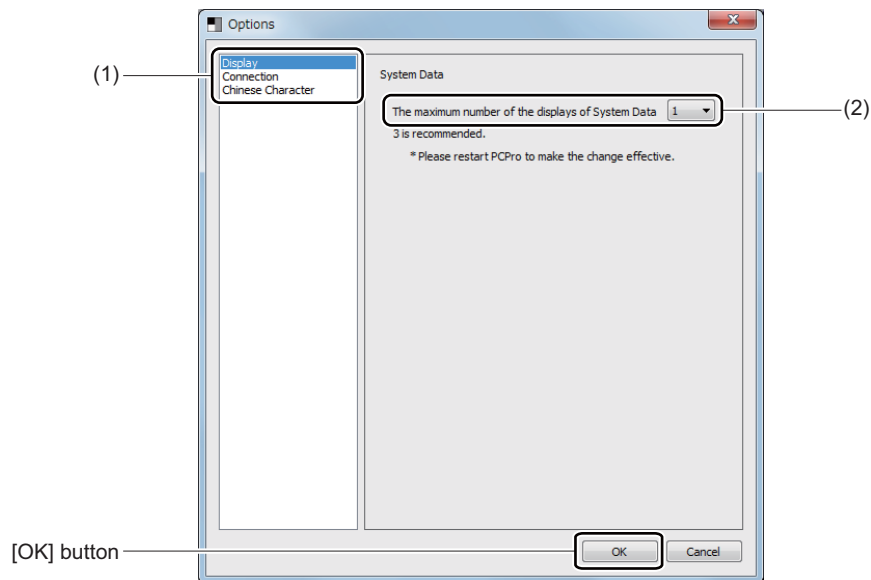
NOTE 1: *The maximum number of the displays of System Data is 10. Default is 1.*

NOTE 2: *Please restart PCPro to make the change effective.*

NOTE 3: *When you click on the sub menu or search results of System Data, create a new tab until the maximum number of display.*

STEP1: On the Main Menu, click [Tools] > [Settings] > [Options...] in this order.
The [Options] dialog box is displayed.

STEP2: Select the maximum number of the displays of System Data.



No.	Item		Description
(1)	Submenu	Display	Select the maximum number of the displays of System Data.
		Connection	Monitor the status of an IP connection and set message display.
		Chinese Character	Select the Chinese characters to display when using menus such as “Station Copy/Key Copy” and “Speed Dialing”.
(2)	The maximum number of the displays of System Data field	Select the maximum number of the displays of System Data from a dropdown list.	

STEP3: Click the [OK] button.

STEP4: Restart PCPro to make the change effective.

The display setup has now been completed.

■ Connection

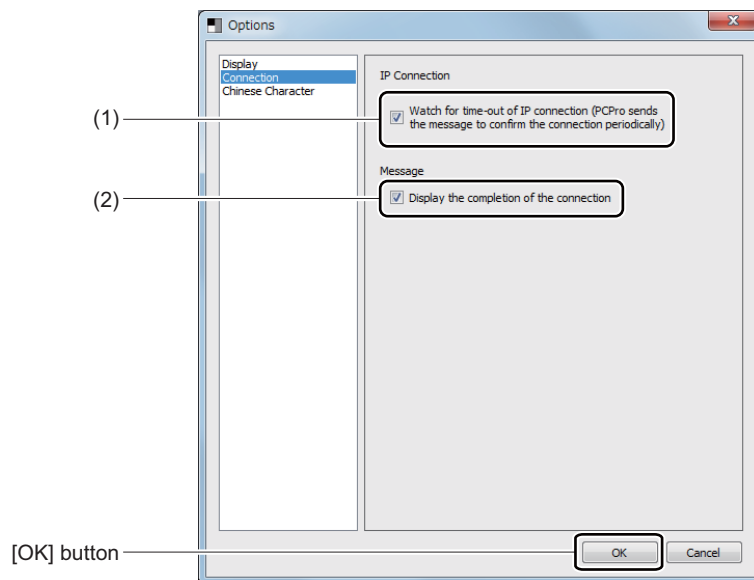
You can monitor the status of an IP connection and set message display.

STEP1: On the Main Menu, click [Tools] > [Settings] > [Options] in this order.

The [Options] dialog box is displayed.

STEP2: Click submenu [Connection].

STEP3: Set items (1) to item (2) as needed.



No.	Item	Description
(1)	“Watch for time-out of IP connection (PCPro sends the message to confirm the connection periodically)” check box	Check to monitor the status of an IP connection (default: checked).
(2)	“Display the completion of the Connection” check box	Check to display a message window when the connection with the SV9300 is completed (default: checked).

STEP4: Click the [OK] button.

The connection setup has now been completed.

■ Chinese Character

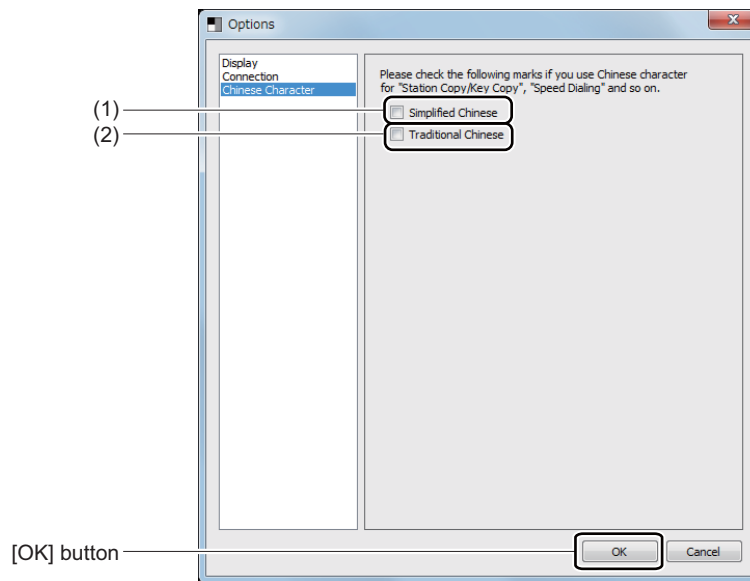
You can select the Chinese characters to display when using menus such as “Station Copy/Key Copy” and “Speed Dialing”.

STEP1: On the Main Menu, click [Tools] > [Settings] > [Options] in this order.

The [Options] dialog box is displayed.

STEP2: Click submenu [Chinese Character].

STEP3: Set the item (1) or (2), then click the [OK] button.



No.	Item	Description
(1)	“Simplified Chinese” check box	Check to use the Simplified Chinese character.
(2)	“Traditional Chinese” check box	Check to use the Traditional Chinese character.

The Chinese character setting has now been completed.

FTP Server Settings

Use an FTP server to upgrade on the CPU program of SV9300 is on-line or off-line. You can start up and shut down the FTP server, view its status and configure information about the FTP server, as well as FTP users.

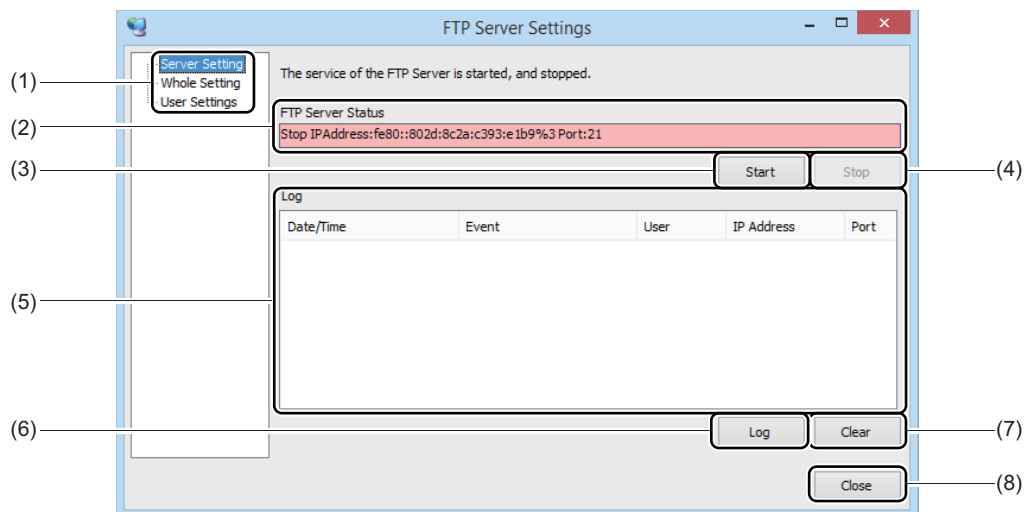
- Server Setting
- Whole Setting [Page 9-45](#)
- User Settings [Page 9-46](#)

NOTE: *Being a facility developed just for program upgrade purposes, the FTP server facility only supports the acquisition of transferred files and does not permit transferring (creating) files to a sever, and creating and deleting directories.*

■ Server Setting

The Server Setting is start and stop service of FTP Server.

STEP1: On the Main Menu, click [Tools] > [Settings] > [FTP Server Settings] in this order. The [FTP Server Settings] screen is displayed.



No.	Item		Description
(1)	Submenu	Server Setting	Switches the [FTP Server Settings] screen for Server Setting.
		Whole Setting	Switches the [FTP Server Settings] screen for Whole Setting.
		User Settings	Switches the [FTP Server Settings] screen for User Setting.
(2)	FTP Server Status field		Displays the FTP sever status.
(3)	[Start] button		Click to launch the FTP server services.
(4)	[Stop] button		Click to shut down the FTP server services.
(5)	Log Display Area	Date/Time	Displays the date and time of log occurrence.
		Event	Displays events (such as server startups, server shutdowns, logon requests and logoffs).
		User	Displays the name of the user who is entitled to log in to the FTP server.
		IP address	Displays the IP address of the FTP user.
		Port No.	Displays the number of the port used by the FTP user.
(6)	[Log] button		Click to display the communication log file with the FTP server. NOTE: <i>The communication log file with the FTP server is saved as the "FtpServer.log" file.</i>
(7)	[Clear] button		Click to clear the log.
(8)	[Close] button		Click to close the [FTP Server Settings] screen.

STEP2: Click the [Start] button.
To launch FTP Server.

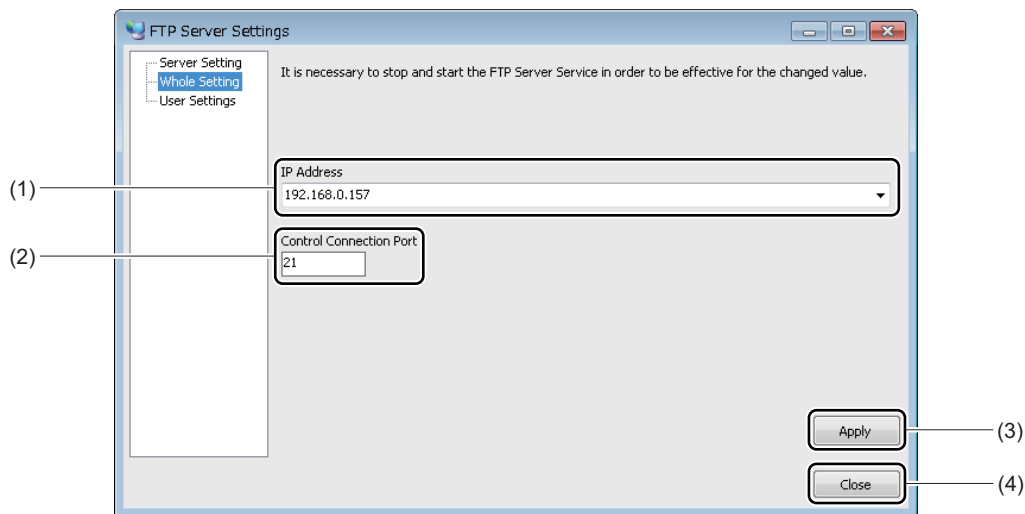
■ Whole Setting

The Whole Setting is register IP address and Control Connection Port of FTP Server.

STEP1: On the Main Menu, click [Tools] > [Settings] > [FTP Server Settings] in this order.

The [FTP Server Settings] screen is displayed.

STEP2: Click the [Whole Setting] menu.



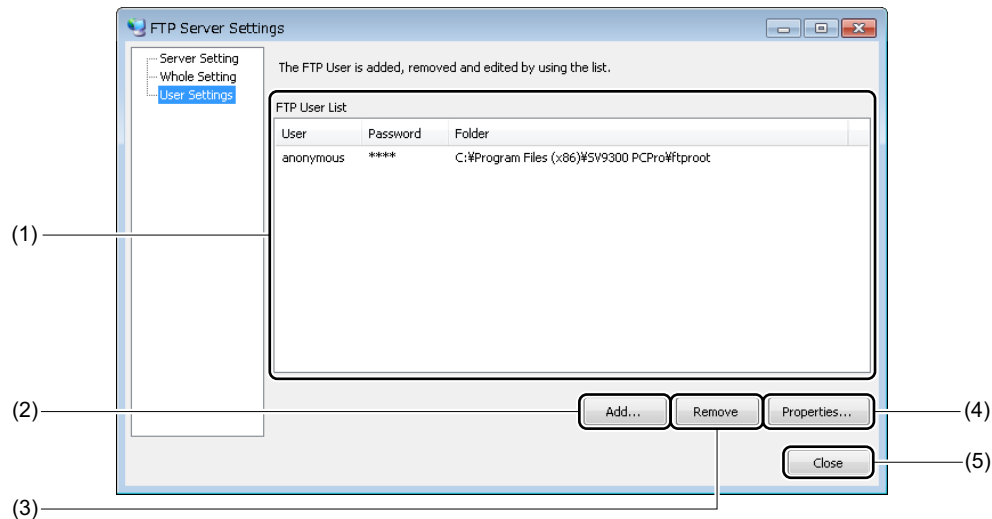
No.	Item	Description
(1)	IP Address field	Enter or select the IP address of the FTP Server.
(2)	Control Connection Port field	Enter the Control Connection Port of the FTP Server. • Input range: 1 to 65534 (default: 21)
(3)	[Apply] button	Click to save the input value of the command port number.
(4)	[Close] button	Click the close the [Whole Setting] screen.

■ User Settings

You can confirm/change the FTP user information (user name, password) and the folder in which to save the FTP user information.

STEP1: On the Main Menu, click [Tools] > [Settings] > [FTP Server Settings] in this order.
The [FTP Server Settings] screen is displayed.

STEP2: Click the [User Settings] menu.

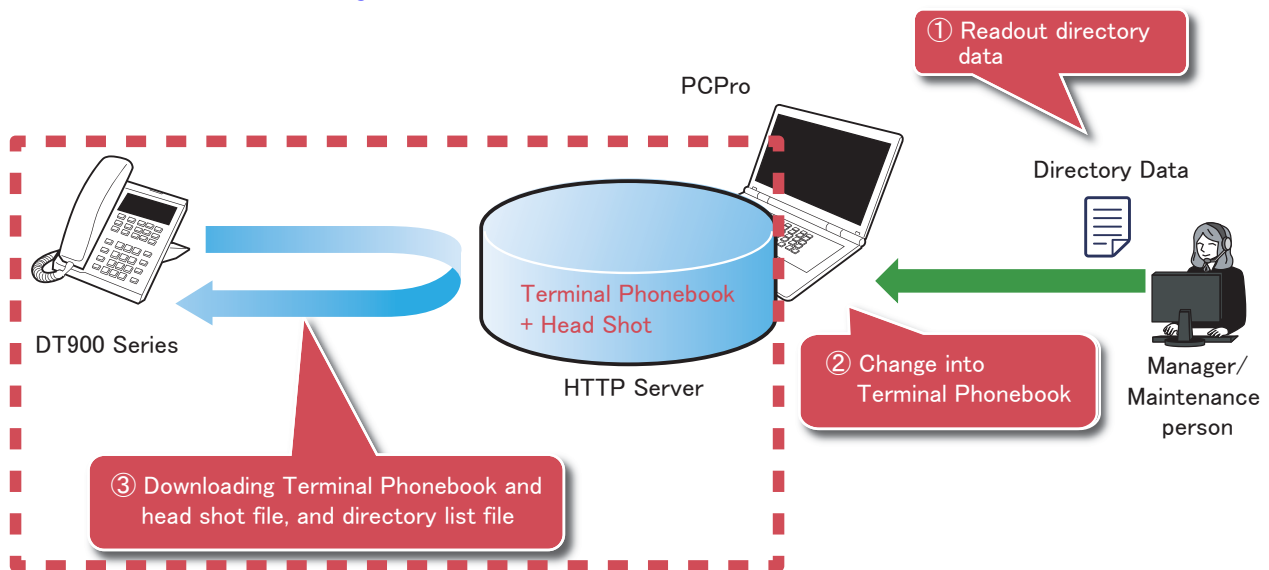


No.	Item	Description	
(1)	FTP User List field	User	Displays the FTP user name saved.
		Password	Displays the password of the FTP user saved.
		Folder	Displays the name of the folder in which the FTP user information is saved.
(2)	[Add...] button	Click to add more FTP user information. • Number of uses that can be registered: Up to 10	
(3)	[Remove] button	Click to delete the FTP user information.	
(4)	[Properties...] button	Click to change the existing FTP user information (user name, password) and the folder in which to save the FTP user information.	
(5)	[Close] button	Click the close the [User Settings] dialog box.	

HTTP Server Settings

An HTTP server is required for downloading Terminal Phonebook registered on the Terminal Phonebook menu to the DT900 Series. This menu provides that starting/stopping the HTTP server, displaying the operating status, configuring the HTTP server information, and managing the server access.

- Start and Stop [Page 9-48](#)
- Whole Setting [Page 9-50](#)
- Phonebook [Page 9-51](#)



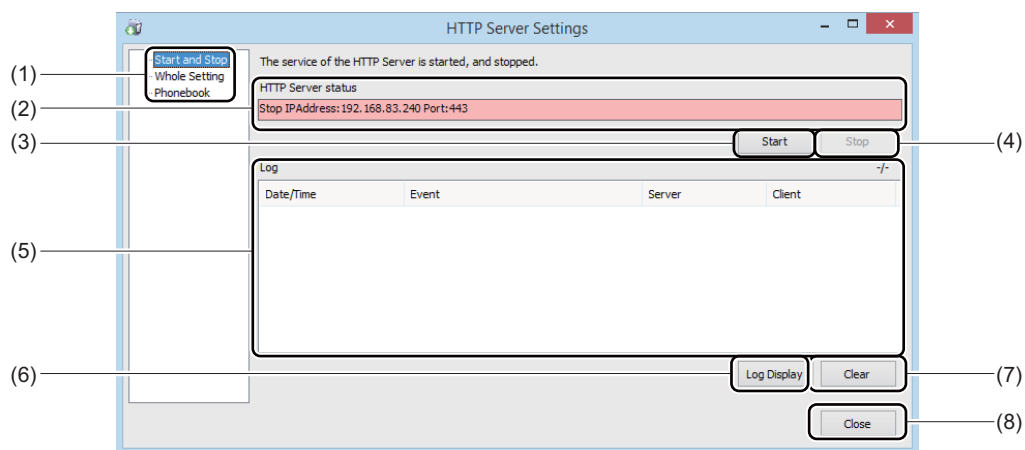
NOTE 1: Only the DT900 Series (except DT920) are available for downloading Terminal Phonebook with an HTTP server.

NOTE 2: We do not recommend to download Terminal Phonebook or a Terminal Phonebook list file by using the HTTP server of SV9300 PCPro to the DT900 Series accommodated in the SV9500 or the Aspire.

Start and Stop

Starting/stopping the service of the HTTP server, displaying the communication log, and monitoring the operation are available.

STEP1: On the Main Menu, click [Tools] > [Settings] > [HTP Server Settings...] in this order. The [HTTP Server Settings] screen is displayed.



No.	Item		Description
(1)	Submenu	Start and Stop	Switches the [HTTP Server Settings] screen for Start and Stop.
		Whole Setting	Switches the [HTTP Server Settings] screen for Whole Setting.
		Phonebook	Switches the [HTTP Server Settings] screen for Phonebook.
(2)	HTTP Server Status field		Displays the HTTP sever status.
(3)	[Start] button		Click to launch the HTTP server services.
(4)	[Stop] button		Click to shut down the HTTP server services.

No.	Item		Description
(5)	Log Display Area	Date/Time	Displays the date and time of log occurrence.
		Event	Displays events (such as server startups, server shutdowns, logon requests and logoffs).
		Server	Displays the IP address and the port number of the HTTP server.
		Client	Displays the IP address and the port number of the client connecting with the HTTP server.
(6)	[Log] button		Click to display the communication log file with the HTTP server. NOTE: <i>The communication log file with the HTTP server is saved as the "HttpServer.log" file.</i>
(7)	[Clear] button		Click to clear the log.
(8)	[Close] button		Click to close the [HTTP Server Settings] screen.

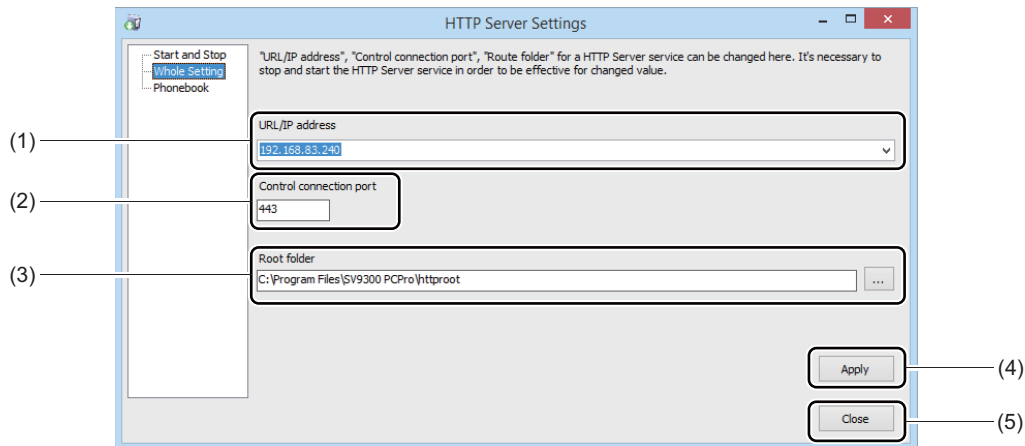
STEP2: Click the [Start] button.
To launch the HTTP Server.

■ Whole Setting

Setting the URL/IP address, the Control connection port, and the Root folder of the HTTP Server are available.

STEP1: On the Main Menu, click [Tools] > [Settings] > [HTTP Server Settings] in this order.
The [HTTP Server Settings] screen is displayed.

STEP2: Click the [Whole Setting] menu.



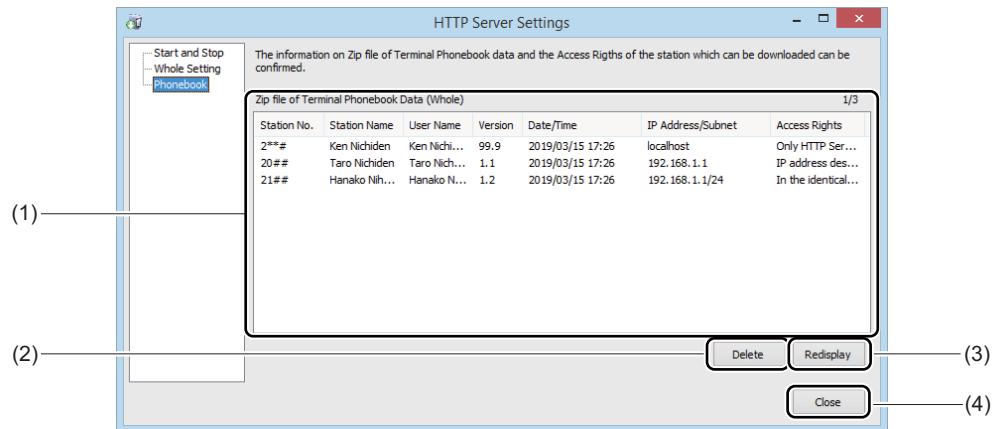
No.	Item	Description
(1)	URL/IP address field	Enter or select the URL/IP address of the HTTP Server.
(2)	Control connection port field	Enter the control connection port number of the HTTP Server. • Input range: 0 to 65534 (default: 443)
(3)	Root folder field	Set the root folder of the HTTP server. (default: The “httproot” folder in the PCPro installed folder) The root folder selection screen is displayed by clicking the [...] button.
(4)	[Apply] button	Click to save the input value in the screen.
(5)	[Close] button	Click the close the [Whole Setting] screen.

■ Phonebook

You can confirm the terminals for downloading Terminal Phonebook zip by each station number and the access authority. You can also reload the newest data and can delete the Terminal Phonebook.

STEP1: On the Main Menu, click [Tools] > [Settings] > [HTTP Server Settings] in this order.
The [HTTP Server Settings] screen is displayed.

STEP2: Click the [Phonebook] menu.















No.	Item	Description	
(1)	Zip file of Terminal Phonebook Data (Whole) Area	Station No.	Displays the station number of a terminal which is accessible to the HTTP server.
		Station Name	Displays the station name of a terminal which is accessible to the HTTP server.
		User Name	Displays the user name of a terminal which is accessible to the HTTP server.
		Version	Displays the version of the Terminal Phonebook zip.
		Date/Time	Displays the last saved date and time of a terminal which is accessible to the HTTP server.
		IP Address/Subnet	Displays the IP address/subnet mask of the terminal.
		Access Rights	Displays the access authority to the HTTP server. <ul style="list-style-type: none"> Access Rights: IP address designation/In the identical sub-net/Only HTTP Server

















No.	Item	Description
(2)	[Delete] button	Click to delete the chosen data in the Zip file of Terminal Phonebook Data (Whole) area.
(3)	[Redisplay] button	Click to display the newest information of the Terminal Phonebook zip.
(4)	[Close] button	Click the close the [HTTP Server Settings] dialog box.

Main Menu and Toolbar Correspondence






The table below summarizes the correspondences between the Main Menu choice and shortcut icons. Shortcut key correspondences are also shown in the table below.


Main Menu		Toolbar Shortcut Icon	Shortcut Key
Category	Menu Choice		
File			
	Exit	–	Alt + F → X
View	Toolbars		
	Standard Buttons	–	Alt + V → B → S
	Customize...	–	Alt + V → B → C
	Sub Menu		
	Standard	–	Alt + V → M → S
	Wizard	–	Alt + V → M → W
	System Data	–	Alt + V → M → D
	Command	–	Alt + V → M → C
	Status bar	–	Alt + V → S
	Tooltips	–	Alt + V → T
System	Connect...		Alt + S → C
	Disconnect...		Alt + S → D
	System Data Backup		Alt + S → B
	Copy System Data to Remote Units		Alt + S → O
	System Data Save/Load/Verify		Alt + S → S
	Reset		Alt + S → R
	Software Licence Authentication		Alt + S → A
	Maintenance		
	Fault Display		Alt + S → M → A
	System Check and Report		Alt + S → M → R
	Maintenance Report		Alt + S → M → M
	Port Status/Lamp Status		Alt + S → M → S
	Program Upgrade (On-line)		Alt + S → M → P

Continued on next page

Main Menu		Toolbar Shortcut Icon	Shortcut Key
Category	Menu Choice		
System			
	Maintenance		
	Program Upgrade (Off-line)		Alt + S → M → U
	Firmware Upgrade (Line/Trunk Blade)		Alt + S → M → F
	Trace Information...		Alt + S → M → T
Edit			
	Standard	–	Alt + E → S
	Wizard	–	Alt + E → W
	System Data	–	Alt + E → D
	Command		Alt + E → C
	Quick Setup		Alt + E → Q
	Blade Configuration		Alt + E → B
	Speed Dialing		Alt + E → E
	Call Pickup Group		Alt + E → P
	UCD Group		Alt + E → U
	Station Hunting Group		Alt + E → H
	User Web Portal Management		Alt + E → R
	Terminal Phonebook		Alt + E → T
Tools			
	Connection Accounts...		Alt + T → C
	PCPro Accounts...		
	Change Password...		Alt + T → A → P
	Script		Alt + T → I
	Station Copy/Key Copy		Alt + T → K

Continued on next page

Main Menu		Toolbar Shortcut Icon	Shortcut Key
Category	Menu Choice		
Tools			
Reports			
	Fault Display...	–	Alt + T → R → A
	System Check and Report...	–	Alt + T → R → R
	System Data...	–	Alt + T → R → D
	Log Viewer...	–	Alt + T → R → L
Settings			
	Options		Alt + T → S → O
	FTP Server Settings...		Alt + T → S → F
	HTTP Server Settings...		Alt + T → S → H
	System Data Convertor...	–	Alt + T → Y
	Communication Log...		Alt + T → O
Window			
	Close All	–	Alt + W → C
Help			
	Help		Alt + H → H
	License	–	Alt + H → E
	About SV9300 PCPro...	–	Alt + H → A

NOTE: The Command function on the [Edit] menu is used to show or hide the [Command] mode selector tab, whereas the Command shortcut icon  on the Tools bar is used to display the [Command] screen in the work window.

List Command

The List Commands is the extended commands that can be used by a script plug-in. In this List Commands, there are the extended commands for system data lists that read and display the system data assigned in SV9300, and the extended commands for functions that implement such as a system reset, the time correction of the system and the fault information read.

The list commands are used by the [Script] menu of the [Tools] category in Standard Mode.

List of List Commands

The following list represents the available List Commands.

<List of List Commands (for System Data List)>

Name of Extended Commands	Functions	Commands to be used	Reference Page
L04 (LF04)	Setting of System Services	CM04	Page B-9
L05 (LF05)	Blade Type, Trunk Blade Number, Highway Channel for ISDN Data Communication	CM05	Page B-10
L08 (LF08)	Basic Services	CM08	Page B-11
L0B (LF0B)	LAN Data Assignment	CM0B	Page B-12
L0D00 (LF0D00)	Routing Table Assignment	CM0D Y=00	Page B-14
L0D01 (LF0D01)	Routing Table Status Assignment	CM0D Y=01	Page B-15
L11 (LF11)	Virtual Line Number/Intercom Number	CM11	Page B-16
L12 (LF12)	Station Class-1	CM12	Page B-17
L13 (LF13)	Station Class-2	CM13	Page B-18
L15 (LF15)	Service Restriction Class	CM15	Page B-19
L16 (LF16)	Call Pickup Group/Group Diversion Group	CM16	Page B-20
L17 (LF17)	ACD/UCD Group	CM17	Page B-21
L18 (LF18)	Station Hunting Group	CM18	Page B-22
L19 (LF19)	Secretary/Group Diversion Station Number	CM19	Page B-24
L1B (LF1B)	ISDN Telephone Multipoint Station Number	CM1B	Page B-25
L1D (LF1D)	PS-ID Assignment, PS/Standard SIP Station Operation Data Download	CM1D	Page B-26

* In case of specifying a List Command as LFXXX, the data other than [NONE] is listed.

Continued on next page

Name of Extended Commands	Functions	Commands to be used	Reference Page
L20 (LF20)	Numbering Plan/Single Digit Feature Access Code (Programmable)	CM20	Page B-27
L22 (LF22)	Route Advance	CM22	Page B-28
L23 (LF23)	Tenant Development	CM23	Page B-29
L25 (LF25)	Kind of Special Terminal Development	CM25	Page B-30
L29 (LF29)	Numbering Plan Tenant Group	CM29	Page B-31
L2A (LF2A)	ID Code Assignment with CPU	CM2A	Page B-32
L2A5 (LF2A5)	Development Block Number for Calling Party Number	CM2A Y=5x	Page B-33
L2B (LF2B)	Authorization Code Per Station/IP Station Password/Station Digest Authentication Password/Standard SIP Station Registration Password/VoIP Encryption Password Assignment	CM2B	Page B-34
L30 (LF30)	Trunk Data	CM30	Page B-35
L35 (LF35)	Trunk Route Data	CM35	Page B-36
L36 (LF36)	Restriction Data/PAD Data for Tandem Connection	CM36	Page B-37
L40 (LF40)	Function of CPU RS-232C Port	CM40	Page B-38
L41 (LF41)	System Timer Data	CM41	Page B-40
L42 (LF42)	System Counter Data/PAD Data/Trunk Restriction Class Conversion/CODEC List	CM42	Page B-41
L43 (LF43)	Periodic Maintenance/IP Station Firmware Automatic Update/System Data Copy/Automatic Clock Change	CM43	Page B-42
L44 (LF44)	External Relay Starting Conditions	CM44	Page B-44

* In case of specifying a List Command as LFXXX, the data other than [NONE] is listed.

Continued on next page

Name of Extended Commands	Functions	Commands to be used	Reference Page
L45 (LF45)	Make Busy Condition of CFT/DTMF Receiver Detect Level	CM45	Page B-46
L48 (LF48)	Hold/Wake Up/Timed Reminder/Automated Attendant Tone	CM48	Page B-48
L4B (LF4B)	Room Status Code	CM4B	Page B-49
L50 (LF50)	Common Route Indial	CM50	Page B-50
L5737 (LF5737)	Group No. for One-Touch Group Messaging	CM57 Y=37	Page B-51
L5738 (LF5738)	Group Messaging Pattern by Access Code Dialing for One-Touch Group Messaging	CM57 Y=38	Page B-52
L5739 (LF5739)	Station Assignment for a Representative Call Group	CM57 Y=39	Page B-53
L61 (LF61)	External Key Function	CM61	Page B-54
L62 (LF62)	Tenants for Each ATT Group	CM62	Page B-56
L63 (LF63)	Restriction of Inter-Tenant Connection	CM63	Page B-57
L64 (LF64)	Automated Attendant, Tenant Number for Music on Hold, Number of Queue Limit, Trunk Access Code for Mobility Access Mode, ISDN Alternating Routing, Ring Frequency Pattern of DT500/DT900 and Access Code for Answering Representative Call Notification	CM64	Page B-59
L65 (LF65)	Services on Tenant Basis	CM65	Page B-61
L720 (LF720)	Calling Party Number	CM72 Y=0	Page B-62
L722 (LF722)	Calling Party Name	CM72 Y=2	Page B-63
L740 (LF740)	Stored Number for Speed Dialing (Calling Party Number)	CM74 Y=0	Page B-64

* In case of specifying a List Command as LFXXX, the data other than [NONE] is listed.

Continued on next page

Name of Extended Commands	Functions	Commands to be used	Reference Page
L742 (LF742)	Stored Number for Speed Dialing (Calling Party Name)	CM74 Y=2	Page B-65
L748 (LF748)	Setting of the Illumination Color for Station Speed/System Speed Dialing	CM74 Y=8	Page B-66
L74A (LF74A)	Setting of the Department No. for Station Speed/System Speed Dialing	CM74 Y=A	Page B-67
L76 (LF76)	Digit Conversion on DID Call	CM76	Page B-68
L76B (LF76B)	Digit Conversion on DID Call	CM76	Page B-69
L77 (LF77)	Station Name Assignment with Character	CM77	Page B-70
L77F (LF77F)	Setting of the Department Name	CM77 Y=F	Page B-71
L7714 (LF7714)	Group Name for a Representative Call Notification	CM77 Y=14	Page B-72
L78 (LF78)	Destination of Split Call Forwarding	CM78	Page B-73
L81 (LF81)	Toll Restriction Pattern on Each Trunk Restriction Class	CM81 Y=01-13	Page B-74
L812 (LF812)	Scam Call Prevention	CM81 Y=20-22, 29	Page B-75
L85NUM	Maximum Number of Sending Digits	CM85	Page B-77
L8A0 (LF8A0)	LCR/Toll Restriction Development Table Route Pattern	CM8A Y=0000-0255	Page B-78
L8A1 (LF8A1)	LCR/Toll Restriction Development Table Tenant Pattern	CM8A Y=1000-1015	Page B-79
L8A2 (LF8A2)	LCR/Toll Restriction Development Table Time Pattern	CM8A Y=2000-2007	Page B-80
L8A3 (LF8A3)	LCR/Toll Restriction Development Table Date Pattern	CM8A Y=3000-3003	Page B-81
L8A4 (LF8A4)	LCR/Toll Restriction Development Pattern	CM8A Y=4000-4007	Page B-82

* In case of specifying a List Command as LFXXX, the data other than [NONE] is listed.

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Name of Extended Commands	Functions	Commands to be used	Reference Page
L8A5 (LF8A5)	LCR/Toll Restriction Development Table LCR/TR Pattern	CM8A Y=5000-5255	Page B-83
L8A9 (LF8A9)	LCR/Toll Restriction Development Table Digit Addition Pattern	CM8A Y=9000-9255	Page B-84
L90 (LF90)	Multiline Terminal Key Assignment	CM90	Page B-85
L9000 (LF9000)	Function Settings of Multiline Terminal Keys	CM90 Y=00	Page B-88
L9010 (LF9010)	Key Setting of Programmable Pattern 1	CM90 Y=10	Page B-90
L9B0 (LF9B0)	Event Occurrence Notice Button Assignment	CM9B Y=0	Page B-90
LA7 (LFA7)	CCIS Channel Data 1	CMA7	Page B-92
LB00 (LFB00)	PEG Count 1 Data for Trunk Route	CMB0 Y=0	Page B-93
LB04 (LFB04)	PEG Count 1 Data for ZT	CMB0 Y=4	Page B-95
LB11 (LFB11)	Incoming Trunk Traffic Data	CMB1 Y=1	Page B-98
LB12 (LFB12)	Outgoing Trunk Traffic Data	CMB1 Y=2	Page B-99
LB13 (LFB13)	Incoming Trunk Route Traffic Data	CMB1 Y=3	Page B-100
LB14 (LFB14)	Outgoing Trunk Route Traffic Data	CMB1 Y=4	Page B-101
LB19 (LFB19)	Traffic Data of ZT	CMB1 Y=9	Page B-102
LB1A (LFB1A)	Percentage of ZT B Channel All Busy	CMB1 Y=A	Page B-103
LB4 (LFB4)	PEG COUNT of IP Network	CMB4	Page B-104
LBA (LFBA)	SIP Profile Data	CMBA	Page B-105
LD72 (LFD72)	OAI Control Data	CMD7 Y=2	Page B-106
LE51 (LFE51)	Trunk Line Make Busy	CME5 Y=1	Page B-107
LE53 (LFE53)	ZT Make Busy	CME5 Y=3	Page B-108
LE55 (LFE55)	Station, Trunk Line Make Busy	CME5 Y=5	Page B-109

* In case of specifying a List Command as LFXXX, the data other than [NONE] is listed.

Continued on next page

Name of Extended Commands	Functions	Commands to be used	Reference Page
LE6 (LFE6)	Call Forwarding Set/Reset from PCPro/CAT	CME6	Page B-110
LECE (LFECE)	Call History of Malicious Call List Set by a User Operation	CMEC Y=E	Page B-111
LLEN	Reading of Terminal (Tenant Group Number/Trunk No./ZT No.) Registered in System	CM05 CM10 CM11	Page B-112
LLIC	Software License Data Read	CMF8 Y=9	Page B-115
LKEY	Software Key Code Read	CMF8 Y=A	Page B-116
LCARD	Firmware Information Read	CME8 Y=0	Page B-117
LPICK	Listing of Station Numbers for Call Pickup Group	CM16 Y=0	Page B-118
LUCD	Listing of Station Numbers for UCD Group	CMF5 Y=5 CM17 Y=0-2	Page B-120
LHUNT	Listing of Station Numbers for Station Hunting Group	CMF5 Y=5 CM18 Y=0, 1	Page B-121
LPICK2	The Number of Call Pickup Groups and Listing of Station Numbers	CM16 Y=0	Page B-124
LUCD2	The Number of UCD Groups and Listing of Station Numbers	CM17 Y=0-2	Page B-127
LHUNT2	The Number of Station Hunting Groups and Listing of Station Numbers	CM18 Y=0, 1	Page B-131

<List of List Commands (for Functions)>

Name of extended commands	Functions	Reference Page
!	Reset of System (With F-ROM Backup)	Page B-135
!+	Reset of System (Without F-ROM Backup)	Page B-135
@WAIT	Wait during the Specified Time	Page B-136
@TIME	Setting of System Date/Time	Page B-137
@FAULT	Firmware Information Read	Page B-138
@SAVE	Saving System Data	Page B-141
@LOAD	Loading System Data	Page B-143
@VFY	Verifying System Data	Page B-144
@B601	Reading the VoIP Packet Statistics between locations	Page B-145
@ECE	Call History of Malicious Call List Set by a User Operation (Optimized to Excel)	Page B-148
@FD	Refer to FD of the Script Line Executed Previously	Page B-149
@SD	Refer to SD of the Script Line Executed Previously	Page B-150
@STN (for CMDYY)	Listing of the Station Numbers When Using CMDYY	Page B-152
@STN (for FD)	Listing of the Station Numbers When Using FD	Page B-155
LSTN	Reading the Number of Registration for Each Kind of Station	Page B-158
MS	FD Step	Page B-160
MSYY	YY Step	Page B-161

Using List Commands (for System Data List)

The followings show how to use the list commands (for system data list) and its usage example.

NOTE: *The list commands (for system data list) also output the unused commands which are not described in the “Command Manual”.*

■ L04

This list command lists the setting of system services (Command to be used: CM04).

(1) Method

- Input

CMD	FD	SD
L04		

- Output

CMD	FD	SD	ED
04YY	Data 1	Setting data	

* For details of CM04 (such as the setting range and the meaning of Y No. and FD), refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L04		

- Output

CMD	FD	SD	ED
0400	00	01	
0400	02		NONE
...

■ L05

This list command lists the Blade Type, Trunk Blade number and Highway Channel for ISDN data communication (Command to be used: CM05).

(1) Method

• Input

CMD	FD	SD
L05	Unit No. (01-50)	

* If the FD field is omitted, all Unit numbers (01-50) are read.

• Output

CMD	FD	SD	ED
050	XXZZ XX: Unit No. (01-50) ZZ : Slot No. (01-18)	Blade Type	
051	XXZZ XX: Unit No. (01-50) ZZ : Slot No. (01-18)	Trunk Blade No. (000-127)	
052	XXZZ XX: Unit No. (01-50) ZZ : 2U No. (01-03)	Number of Highway Channel for ISDN data communication	

* The Trunk Blade number (CM05 Y=1) reads the Unit No. and Slot No. to which the Blade Type (CM05 Y=0) is registered.

(2) Example

• Input

CMD	FD	SD
L05		

• Output

CMD	FD	SD	ED
050	0101	10	
050	0102	20	

050	5018		NONE
051	0101	000	
051	0102	001	

052	0101		NONE
052	5003		NONE

■ L08

This list command lists the basic services (Command to be used: CM08).

(1) Method

• Input

CMD	FD	SD
L08		

* L08 reads all basic services.

• Output

CMD	FD	SD	ED
L08	Basic Services No.	Setting data	

* For details of CM08, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L08		

• Output

CMD	FD	SD	ED
08	011	0	
08	012	1	

■ L0B

This list command lists the LAN data assignment (Command to be used: CM0B).

(1) Method

• Input

CMD	FD	SD
L0B		

• Output

CMD	FD	SD	ED
0B000	90	Unit No. (01-50)	
0B0YY YY: 01-50	XX-XXX	Maintenance Port	
0B1YY YY: 01-50	XX-XXX	VOIP Port	
0B2YY YY: 01-50	XX-XXX	VOIP Port (RTP)	

* For details of CM0B, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L0B		

• Output

CMD	FD	SD	ED
0B000	90	01	
0B001	00	192.168.1.2	

0B002	00	192.168.1.3	
	
0B050	00		NONE
	
0B101	00	172.16.1.11	
	
0B150	00		NONE
	
0B201	00	172.16.1.12	
	
0B250	00		NONE
	

■ L0D00

This list command lists the Routing Table assignment (Command to be used: CM0D Y=00).

(1) Method

- Input

CMD	FD	SD
L0D00		

- Output

CMD	FD	SD	ED
0D00	01XX XX: Entry No. (00-19)	Routing table assignment	

* For details of CM0D, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L0D00		

- Output

CMD	FD	SD	ED
0D00	0100	0/10.41.208.0/255.255.255.0/10.41.207.251/01	
0D00	0101	0/10.41.209.0/255.255.255.0/10.41.207.252/01	
0D00	0102	0/192.168.2.0/255.255.255.0/192.168.1.251/01	
0D00	0103	0/192.168.3.0/255.255.255.0/192.168.1.252/01	
0D00	0104		NONE
...
0D00	0119		NONE

■ L0D01

This list command lists the Routing table status assignment (Command to be used: CM0D Y=01).

(1) Method

- Input

CMD	FD	SD
L0D01		

- Output

CMD	FD	SD	ED
0D01	01XX XX: Entry No. (00-19)	Routing table status assignment	Status (A/N)

* For details of CM0D, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L0D01		

- Output

CMD	FD	SD	ED
0D01	0100	0/10.41.208.0/255.255.255.0/10.41.207.251/01	A
0D01	0101	0/10.41.209.0/255.255.255.0/10.41.207.252/01	A
0D01	0102	0/192.168.2.0/255.255.255.0/192.168.1.251/01	A
0D01	0103	0/192.168.3.0/255.255.255.0/192.168.1.252/01	N
0D01	0104		NONE
...
0D01	0119		NONE

■ L11

This list command lists the Virtual Line number/Intercom number (Command to be used: CM11).

(1) Method

- Input

CMD	FD	SD
L11	Virtual Port No. (0000-0999)	

* If the FD field is omitted, all Virtual Port No. (0000-0999) are read.

- Output

CMD	FD	SD	ED
11	Virtual Port No. (0000-0999)	Virtual Line No./ Intercom No.	

(2) Example

- Input

CMD	FD	SD
L11		

- Output

CMD	FD	SD	ED
11	0000	5000	
11	0001	5002	
11	0002	A000	

11	0999		NONE

■ L12

This list command lists the Station Class-1 (Command to be used: CM12).

(1) Method

- Input

CMD	FD	SD
L12	X-XXXXXXXX: Station No.	
	XXXX: Automatic/Manual/ Dial Intercom No.	
	XXXX: Loop Line No.	
	XXXX: ICI/OPR Line No.	

* The FD field cannot be omitted.

- Output

CMD	FD	SD	ED
12YY	X-XXXXXXXX: Station No.	Setting data	
	XXXX: Automatic/Manual/ Dial Intercom No.		
	XXXX: Loop Line No.		
	XXXX: ICI/OPR Line No.		

* For details of CM12 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L12	200	

• Output

CMD	FD	SD	ED
1200	200	3	
1201	200	11	

■ L13

This list command lists the Station Class-2 (Command to be used: CM13).

(1) Method

• Input

CMD	FD	SD
L13	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
13YY	X-XXXXXXXX: Station No.	Setting data (0/1)	

* For details of CM13 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L13	200	

• Output

CMD	FD	SD	ED
1300	200	1	
1301	200	1	

■ **L15**

This list command lists the Service Restriction Class (Command to be used: CM15).

(1) Method

• Input

CMD	FD	SD
L15	Service Restriction Class A/B/C (00-15) and Charging Station Class (00-15)	Setting data

* If the FD field is omitted, all Service Restriction Class A/B/C (00-15) and Charging Station Class (00-15) are read.

• Output

CMD	FD	SD	ED
15YYY	Service Restriction Class A/B/C (00-15) and Charging Station Class (00-15)	Setting data	

* For details of CM15 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L15		

• Output

CMD	FD	SD	ED
15000	00	1	
15000	01	1	

15000	15		NONE
	
15485	00	1	
	

■ L16

This list command lists the Call Pickup Group/Group Diversion Group (Command to be used: CM16).

(1) Method

• Input

CMD	FD	SD
L16	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
16Y	X-XXXXXXXX: Station No.	Setting data	

* For details of CM16 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L16	100	

• Output

CMD	FD	SD	ED
160	100		NONE
162	100		NONE
168	100	1	
16A	100		NONE

■ L17

This list command lists the ACD/UCD Group (Command to be used: CM17).

(1) Method

• Input

CMD	FD	SD
L17	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
17Y	X-XXXXXXXX: Station No.	Setting data	

* For details of CM17 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L17	100	

• Output

CMD	FD	SD	ED
170	100		NONE
171	100	0	
172	100		NONE
174	100	1	
175	100	1	
176	100	1	
177	100	1	
17A	100	1	
...	

■ L18

This list command lists the Station Hunting Group (Command to be used: CM18).

(1) Method

• Input

CMD	FD	SD
L18	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

- Output

CMD	FD	SD	ED
18Y	X-XXXXXXXX: Station No.	Setting data	

* For details of CM18 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L18	100	

- Output

CMD	FD	SD	ED
180	100		NONE
181	100	0	
182	100	31	
184	100	1	
185	100	1	
186	100	1	
187	100	1	

■ L19

This list command lists the Secretary Serial number and Group Diversion Station number (Command to be used: CM19).

(1) Method

• Input

CMD	FD	SD
L19		

• Output

CMD	FD	SD	ED
190	Secretary Station Serial No. (00-30)	X-XXXXXXXX: Secretary station number	
191		Secretary Hunting method (0, 5, 7)	
192		Secretary Station Serial No. (00-31)	
196	Group Diversion No. (00-30)	X-XXXXXXXX: Transferred Station No.	

* For details of CM19, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L19		

- Output

CMD	FD	SD	ED
190	00		NONE
	
190	30		NONE
191	00	0	
	
191	30	0	
192	00	31	
	
192	30	31	
196	00		NONE
	
196	30		NONE

■ L1B

This list command lists the ISDN Telephone multipoint station number (Command to be used: CM1B).

(1) Method

- Input

CMD	FD	SD
L1B	ISDN Line Station No. (1-8 digits)	

* The ISDN Line Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
1B	X-XXXXXXXX, Z X-XXXXXXXX: ISDN Line Station No. assigned by CM10 Y=00 Z: ISDN Multipoint No. (0-7)	X-XXXXXXXX: ISDN Telephone mul- tipoint station No.	

(2) Example

• Input

CMD	FD	SD
L1B	6000	

• Output

CMD	FD	SD	ED
1B	6000,0	7000	
1B	6000,1	7001	

1B	6000,7		NONE

■ L1D

This list command lists the PS-ID assignment and the PS/Standard SIP station operation data to download (Command to be used: CM1D).

(1) Method

• Input

CMD	FD	SD
L1D	X-XXXXXXXX: PS/Standard SIP Station No.	

* The PS/Standard SIP Station No. cannot be omitted.

- Output

CMD	FD	SD	ED
1DY Y	X-XXXXXXXX: PS Station No.	Setting data	

* For details of CM1D (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L1D	100	

- Output

CMD	FD	SD	ED
1D01	100	100	

■ L20

This list command lists the Numbering Plan (Command to be used: CM20).

(1) Method

- Input

CMD	FD	SD
L20	Numbering Plan Group (0-3)	

* If the FD field is omitted, all Numbering Plan Groups (0-3) are read.

- Output

CMD	FD	SD	ED
20x	Station No./Access Code	Setting data	

* The meaning of setting data set as an Access Code is displayed in the MESSAGE field.

(2) Example

• Input

CMD	FD	SD
L20	0	

• Output

CMD	FD	SD	ED	MESSAGE
200	0	300		Tenant Block 00
200	1		NONE	
200	2	804		4 digits Station
200	3	804		4 digits Station
200	4	804		4 digits Station
200	50	A059		Trunk Answer
200	...	...	...	...

■ L22

This list command lists the Route Advance (Command to be used: CM22).

(1) Method

• Input

CMD	FD	SD
L22		

• Output

CMD	FD	SD	ED
22YY YY: Route Advance Block (00-31)	Priority Order (0/1/2/3)	Setting data	

* For details of CM22, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L22		

• Output

CMD	FD	SD	ED
2200	0	100	
2200	1	101	
2200	2		NONE
2200	3		NONE
2201	0		NONE
	
2231	3		NONE

■ L23

This list command lists the tenant development (Command to be used: CM23).

(1) Method

• Input

CMD	FD	SD
L23	Tenant No. (00-63)	

* If the FD field is omitted, all Tenant numbers (00-63) are read.

• Output

CMD	FD	SD	ED
23YY YY: Tenant Block (00-23)	Tenant No. (00-63)	Setting data	

* For details of CM23, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L23		

• Output

CMD	FD	SD	ED
2300	00		NONE
2300	01	101	

2300	63		NONE
2301	00		NONE
	
2323	63		NONE

■ L25

This list command lists the kind of special terminal development (Command to be used: CM25).

(1) Method

• Input

CMD	FD	SD
L25	Kind of Special Terminal Block (00-15)	

* If the FD field is omitted, all kind of Special Terminal Block numbers (00-15) are read.

• Output

CMD	FD	SD	ED
25YY YY: Kind of Special Terminal Block (00-15)	Kind of Special Terminal (0-4)	Setting data	

* For details of CM25, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L25		

• Output

CMD	FD	SD	ED
2500	0	100	
2500	1		NONE

2500	4		NONE
2501	0		NONE
	
2515	4		NONE

■ L29

This list command lists the Numbering Plan Tenant group (Command to be used: CM29).

(1) Method

• Input

CMD	FD	SD
L29		

• Output

CMD	FD	SD	ED
29	Tenant No. (00-63)	Numbering Plan Group (710-713)	

(2) Example

• Input

CMD	FD	SD
L29		

• Output

CMD	FD	SD	ED
29	00	710	
29	01		NONE

29	63		NONE

■ L2A

This list command lists the ID Code Pattern number for Remote Access to System (DISA) (Command to be used: CM2A).

(1) Method

• Input

CMD	FD	SD
L2A	ID Code Development No. (00-09)	

* If the FD field is omitted, all ID Code Development numbers (00-09) are read.

• Output

CMD	FD	SD	ED
2A0x	ID Code	ID Code Pattern No.	

(2) Example

• Input

CMD	FD	SD
L2A	0	

• Output

CMD	FD	SD	ED
2A00	0		NONE
2A00	1		NONE
2A00	2		NONE
2A00	3		NONE
2A00	4		NONE
2A00	...	...	...

■ **L2A5**

This list command lists the Development Block number for Calling Party Number (Command to be used: CM2A Y=5x).

(1) Method

• Input

CMD	FD	SD
L2A5	Development Pattern No. (0-2)	

* If the FD field is omitted, all Development Pattern numbers (0-2) are read.

• Output

CMD	FD	SD	ED
2A5x	Calling Party No.	Development Block No. assigned by CM76	

(2) Example

• Input

CMD	FD	SD
L2A5	0	

• Output

CMD	FD	SD	ED
2A50	0		NONE
2A50	1	000	
2A50	2	002	
2A50	3		NONE
2A50	4		NONE
2A50	...	...	...

■ L2B

This list command lists the Authorization Code per station/IP Station password/Station Digests Authentication password/Standard SIP station registration password/VoIP encryption password assignment (Command to be used: CM2B).

(1) Method

• Input

CMD	FD	SD
L2B	X-XXXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
2BYY	X-XXXXXXXXX: Station No.	Setting data	

* For details of CM2B (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L2B	301	

• Output

CMD	FD	SD	ED
2B00	301		NONE
2B01	301	1	
2B02	301	15	
2B03	301	15	
2B04	301	15	

■ L30

This list command lists the trunk data (Command to be used: CM30).

(1) Method

• Input

CMD	FD	SD
L30	Trunk No. (000-511)	

* If the FD field is omitted, all Trunk numbers (000-511) are read.

• Output

CMD	FD	SD	ED
30YY	Trunk No. (000-511)	Setting data	

*1 For details of CM30 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

*2 If the Trunk No. not assigned to the system is entered, “TRK NOT ASSIGNED” is displayed in the ED field.

(2) Example

• Input

CMD	FD	SD
L30		

• Output

CMD	FD	SD	ED
3000	000	01	
3000	001	01	

3000	511		TRK NOT ASSIGNED
	

■ L35

This list command lists the Trunk Route data (Command to be used: CM35).

(1) Method

• Input

CMD	FD	SD
L35	Trunk Route No. (00-63)	

* If the FD field is omitted, all Trunk Route numbers (00-63) are read.

• Output

CMD	FD	SD	ED
35YYY	Trunk Route No. (00-63)	Setting data	

* For details of CM35 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L35		

• Output

CMD	FD	SD	ED
35000	00	15	

35000	63	15	

■ **L36**

This list command lists the restriction data/PAD data for tandem connection (Command to be used: CM36).

(1) Method

• Input

CMD	FD	SD
L36	Outgoing Trunk Route (00-63)	

* If the FD field is omitted, all Outgoing Trunk Routes (00-63) are read.

• Output

CMD	FD	SD	ED
360	XXZZ	Setting data	
361	XX: Incoming Trunk Route (00-63) ZZ : Outgoing Trunk Route (00-63)		

* For details of CM36, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L36		

- Output

CMD	FD	SD	ED
360	0000	1	

360	0063		
360	0100	1	

360	6363		NONE
361	0000	1	

361	0063		NONE
361	0100		NONE

361	6363		NONE

■ L40

This list command lists the function of CPU RS-232C port (Command to be used: CM40).

(1) Method

- Input

CMD	FD	SD
L40		

• Output

CMD	FD	SD	ED
40YY YY: 00-09	Port Location No. (0-7/A/B)	CPU RS-232C port for PCPro/VoIP Log Collection/Built-in SMDR/MCI	
4010	Port Location No. (1 fixed)	X-XXXXXXXX: Built-in Modem No.	
4013	Port Location No. (0/1)	0: High 1: Low	
4030	Port Location No. (0)	Connection port	

* For details of CM40, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L40		

• Output

CMD	FD	SD	ED
4000	0	8	

4000	7		NONE
4001	0	10	

4009	7		NONE
4010	1	3999	

4013	1	1	

■ L41

This list command lists the function of System Timer data (Command to be used: CM41).

(1) Method

- Input

CMD	FD	SD
L41		

- Output

CMD	FD	SD	ED
41Y Y: 0-3	XX-XXX: Timer Type	Setting data	

* For details of CM41, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L41		

- Output

CMD	FD	SD	ED
410	00	01	410
410	01	01	410

■ L42

This list command lists the System Counter data/PAD data/Trunk Restriction Class conversion/CODEC list (Command to be used: CM42).

(1) Method

• Input

CMD	FD	SD
L42		

• Output

CMD	FD	SD	ED
42	Data (XX-XXX)	Setting data	

* For details of CM42, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L42		

• Output

CMD	FD	SD	ED
42	00	01	
42	01	06	

■ L43

This list command lists the periodic maintenance/IP Station firmware automatic update/system data copy/automatic clock change (Command to be used: CM43).

(1) Method

• Input

CMD	FD	SD
L43		

• Output

CMD	FD	SD	ED
432	Periodic maintenance (00-07)	Setting data	
433	Periodic maintenance (00-07)		
435	Regular backup time (00)		
436	IP Station firmware automatic update time (00)		
437	System data copy (00)		
438	Time setting for automatic clock change from standard time to daylight-saving time (00) (for change pattern 0)		
	Time setting for automatic clock change from daylight-saving time to standard time (01) (for change pattern 0)		

Continued on next page

CMD	FD	SD	ED
438	Reading of system clock changed day from standard time to daylight-saving time (02) (for change pattern 0)	Setting data	
	Reading of system clock changed day from daylight-saving time to standard time (03) (for change pattern 0)		
	Time setting for automatic system clock change from standard time to daylight-saving time (04) (for change pattern 1)		
	Time setting for automatic system clock change from daylight-saving time to standard time (05) (for change pattern 1)		
	Reading of system clock changed day from standard time to daylight-saving time (06) (for change pattern 1)		

Continued on next page

CMD	FD	SD	ED
438	Reading of system clock changed day from daylight-saving time to standard time (07) (for change pattern 1)	Setting data	

* For details of CM43, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L43		

- Output

CMD	FD	SD	ED
432	00	2009030510	
432	01	2008120115	

438	07		NONE

■ **L44**

This list command lists the external relay starting conditions (Command to be used: CM44).

(1) Method

- Input

CMD	FD	SD
L44		

• Output

CMD	FD	SD	ED
4400	XXZ XX: Relay Group Number (00-31) Z : Circuit Number (0-3) 312, 313: External Relay Inter- face of CPU blade	Setting data	
4401	XX: Relay Group Number (00-31)		

* For details of CM44, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L44		

• Output

CMD	FD	SD	ED
4400	000	0100	

4400	003		NONE
4400	010		NONE

4400	313		NONE
4401	00		NONE

4401	31		NONE

■ L45

This list command lists the make busy condition of built-in CFT on CPU/DTMF receiver detect level (Command to be used: CM45).

(1) Method

• Input

CMD	FD	SD
L45		

• Output

CMD	FD	SD	ED
456	Built-in CFT circuit number (00-15)	Make busy condition of built-in CFT (0/1)	
45B	X 00: Receiver start delay time X: Receiver Type (0-2)	Setting data	
	X 01: DTMF receiver detect level X: Receiver Type (0-2)		
	X 02: Forward signal receiver minimum detect level (For Detect Level 0/1/2/3/4/5/6) X: Receiver Type (0-2)		

Continued on next page

CMD	FD	SD	ED
45B	X 03: DTMF receiver maximum detect level (For Detect Level 0/1/2/3/ 4/5/6) X: Receiver Type (0-2)	Setting data	
	X 04: DTMF receiver twist Level (Forward) X: Receiver Type (0-2)		
	X 05: DTMF receiver twist Level (Backward) X: Receiver Type (0-2)		
	X 06: DTMF receiver ON detect time X: Receiver Type (0-2)		
	X 07: DTMF receiver OFF detect time X: Receiver Type (0-2)		

* For details of CM45, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L45		

• Output

CMD	FD	SD	ED
456	00	1	
456	01	1	

■ L48

This list command lists the Hold/Wake Up/Timed Reminder/Automated Attendant tone (Command to be used: CM48).

(1) Method

• Input

CMD	FD	SD
L48		

• Output

CMD	FD	SD	ED
48X	XX-XXXX: Sending Pattern	Setting data	

* For details of CM48, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L48		

• Output

CMD	FD	SD	ED
480	00	1400	
480	01	1400	
	
488	50		NONE

■ L4B

This list command lists the room status code (Command to be used: CM4B).

(1) Method

- Input

CMD	FD	SD
L4B	Room status code (1-8)	

* If the FD field is omitted, all Room status code (1-8) are read.

- Output

CMD	FD	SD	ED
4B00	Room status code (1-8)	Setting data	

(2) Example

- Input

CMD	FD	SD
L4B		

- Output

CMD	FD	SD	ED
4B00	100	1	
4B00	101	1	

4B00	107	4	
4B00	201		NONE

4B00	807	3	

■ L50

This list command lists the common route initial (Command to be used: CM50).

(1) Method

• Input

CMD	FD	SD
L50		

• Output

CMD	FD	SD	ED
50YY YY: 00-05, 07-16	Kind of data	Setting data	

* For details of CM50, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L50		

• Output

CMD	FD	SD	ED
5000	0	99	
5000	1		NONE

■ L5737

This list command lists member stations of One-Touch Group Messaging Groups (Command to be used: CM57 Y=37).

(1) Method

• Input

CMD	FD	SD
L5737	Group No. (00-63)	

* If the FD field is omitted, all group numbers (Group No. 00 to 63) are read.

• Output

CMD	FD	SD	ED
5737	Group No. (00-63) + Serial No. within the group	Setting data	

(2) Example

• Input

CMD	FD	SD
L5737		

• Output

CMD	FD	SD	ED
5737	0000	2000	
5737	0100		NONE

5737	6300		NONE
5737	0001		NONE
5737	0101		NONE

5737	6307		NONE

■ L5738

This list command lists the group messaging pattern by access code dialing for One-Touch Group Messaging (Command to be used: CM57 Y=38).

(1) Method

• Input

CMD	FD	SD
L5738	Pattern No. (000-249)	

* If the FD field is omitted, all pattern numbers (Pattern No. 000 to 249) are read.

• Output

CMD	FD	SD	ED
5738	Pattern No.	XXZZ XX: Group No. (00-63) ZZ : Message No. (00-63)	

(2) Example

• Input

CMD	FD	SD
L5738		

• Output

CMD	FD	SD	ED
5738	000	0000	
5738	001		NONE
5738	002		NONE

5738	249		NONE

■ L5739

This list command lists the station numbers for serial numbers within the group for each group number of a representative call group (Command to be used: CM57 Y=39).

(1) Method

• Input

CMD	FD	SD
L5739	Group No. (000-127)	

* If the FD field is omitted, all group numbers (Group No. 000 to 127) are read.

• Output

CMD	FD	SD	ED
5739	Group No. (000-127) + Serial No. (00-63) within the group	Station No.	

(2) Example

• Input

CMD	FD	SD
L5739		

• Output

CMD	FD	SD	ED
5739	00000	102	
5739	00001		NONE
5739	00002		NONE

5739	12763	2000	

■ L61

This list command lists the external key functions (Command to be used: CM61).

(1) Method

- Input

CMD	FD	SD
L61	Key Group No. (00-63)	

* If the FD field is omitted, all Key Group numbers (00-63) are read.

- Output

CMD	FD	SD	ED
61YY YY: 00, 01, 03, 05, 06, 08	XXZ XX: Key Group No. (00-63) Z : Circuit No. (0/1)	Setting data	
6130	XXZ XX: Key Group No. (00-63) Z : Circuit No. (0/1)		

* For details of CM61, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L61		

• Output

CMD	FD	SD	ED
6100	000		NONE
6100	001		NONE
6100	010	00	

6100	631		NONE
6101	000		NONE

■ L62

This list command lists the tenants for each ATT group (Command to be used: CM62).

(1) Method

- Input

CMD	FD	SD
L62	Tenant No. (00-63)	

* If the FD field is omitted, all Tenant numbers (00-63) are read.

- Output

CMD	FD	SD	ED
62Y Y: ATT Group (0-3)	Tenant No. (00-63)	Setting data	

* For details of CM63, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L62		

- Output

CMD	FD	SD	ED
620	00	1	
620	01	1	

620	63	1	
621	00	1	

623	63	1	

■ L63

This list command lists the restriction of inter-tenant connection (Command to be used: CM63).

(1) Method

- Input

CMD	FD	SD
L63		

- Output

CMD	FD	SD	ED
630	XXZZ: XX: Tenant No. of TAS (00-63) ZZ : Tenant No. of trunk (00-63)	Setting data	
631	XXZZ: XX: Tenant No. of calling station (00-63) ZZ : Tenant No. of called station (00-63)		
632	XXZZ: XX: Tenant No. of called station (00-63) ZZ : Tenant No. of trunk (00-63)		

* For details of CM63, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L63		

• Output

CMD	FD	SD	ED
630	0000	1	
630	0001	1	

630	0063	1	
630	0100	1	

630	6363	1	
631	0000	1	

632	6363	1	

■ L64

This list command lists the Automated Attendant, Tenant number for Music on Hold, number of Queue Limit, Trunk Access Code for Mobility Access mode, ISDN Alternating Routing, Ring Frequency Pattern of DT500/DT900 and Access Code for Answering Representative Call Notification (Command to be used: CM64).

(1) Method

- Input

CMD	FD	SD
L64	Tenant No. (00-63)	

* If the FD field is omitted, all Tenant numbers (00-63) are read.

- Output

CMD	FD	SD	ED
64Y/YY Y/YY: 0-6, 10-17, 20-28	Tenant No. (00-63)	Setting data	

* For details of CM64, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L64		

• Output

CMD	FD	SD	ED
640	00	03	
640	01	03	

640	63	03	
641	00		NONE

6428	63	1234	

■ L65

This list command lists the services on tenant basis (Command to be used: CM65).

(1) Method

- Input

CMD	FD	SD
L65	Tenant No. (00-63)	

* If the FD field is omitted, all Tenant numbers (00-63) are read.

- Output

CMD	FD	SD	ED
65YY YY: 19-100	Tenant No. (00-63)	Setting data	

* For details of CM65, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L65		

- Output

CMD	FD	SD	ED
6519	00	1	
6500	01	1	
	
6500	63	1	
6523	00	1	
	

■ L720

This list command lists the stored number for System Speed Dialing (Calling Party number)/(Command to be used: CM72 Y=0).

(1) Method

• Input

CMD	FD	SD
L720	First digit of Memory Slot No. (0-2)	

* If the FD field is omitted, all Memory Slot numbers (000-299) are read.

• Output

CMD	FD	SD	ED
720	Memory Slot No. (000-299)	Calling Party No.	

(2) Example

• Input

CMD	FD	SD
L720	0	

• Output

CMD	FD	SD	ED
720	000	4000	
720	001	0,4001	
720	002		NONE
	
720	099		NONE

■ L722

This list command lists the stored number for System Speed Dialing (Calling Party Name)/(Command to be used: CM72 Y=2).

(1) Method

• Input

CMD	FD	SD
L722	First digit of Memory Slot No. (0-2)	

* If the FD field is omitted, all Memory Slot numbers (000-299) are read.

• Output

CMD	FD	SD	ED
722	Memory Slot number (000-299)	Calling Party Name	

(2) Example

• Input

CMD	FD	SD
L722	0	

• Output

CMD	FD	SD	ED
722	000	ABC	
722	001	123ABC	
722	002		NONE
	
722	099		NONE

■ L740

This list command lists the stored number for Station Speed Dialing (Calling Party No.)/(Command to be used: CM74 Y=0).

(1) Method

• Input

CMD	FD	SD
L740	1000-Slot Memory Block number (00-99)	

* If the FD field is omitted, all block numbers (00000-99999) are read.

• Output

CMD	FD	SD	ED
740	Block number (00000-99999)	Calling Party Number	

(2) Example

• Input

CMD	FD	SD
L740	00	

• Output

CMD	FD	SD	ED
740	00000	4000	
740	00001	0,4001	
740	00002		NONE
	
740	00999		NONE

■ L742

This list command lists the stored number for Station Speed Dialing (Calling Party Name)/(Command to be used: CM74 Y=2).

(1) Method

• Input

CMD	FD	SD
L742	1000-Slot Memory Block number (00-99)	

* If the FD field is omitted, all block numbers (00000-99999) are read.

• Output

CMD	FD	SD	ED
742	Block number (00000-99999)	Calling Party Name	

(2) Example

• Input

CMD	FD	SD
L742	00	

• Output

CMD	FD	SD	ED
742	00000	ABCDE	
742	00001	1234ABC	
742	00002		NONE
	
742	00999		NONE

■ L748

This list command lists the Illumination Color for Station Speed/System Speed Dialing (Command to be used: CM74 Y=8).

(1) Method

• Input

CMD	FD	SD
L748	1000-Slot Memory Block (No. 00-99)	

* If the FD field is omitted, all block numbers (00000-99999) are read.

• Output

CMD	FD	SD	ED
748	Block number (00000-99999)	Illumination Color (0-7)	

* For details of CM74 Y=8, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L748	00	

• Output

CMD	FD	SD	ED
748	00000		
748	00001		
748	00002		NONE

748	00999		NONE

■ L74A

This list command lists the Department No. for Station Speed/System Speed Dialing (Command to be used: CM74 Y=A).

(1) Method

• Input

CMD	FD	SD
L74A	1000-Slot Memory Block (No. 00-99)	

* If the FD field is omitted, all block numbers (00000-99999) are read.

• Output

CMD	FD	SD	ED
74A	Block number (00000-99999)	Department No. (00-99)	

* For details of CM74 Y=A, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L74A	00	

• Output

CMD	FD	SD	ED
74A	00000	00	
74A	00001	01	
74A	00002		NONE

74A	00999		NONE

■ L76

This list command lists the Development Block number for DID Call (Command to be used: CM76).

(1) Method

- Input

CMD	FD	SD
L76	Development Table No. (Y No.) (00, 90)	

* If the FD field is omitted, the Development Table No. 00 and 90 are read.

- Output

CMD	FD	SD	ED
76xx	DID Number	Number Conversion Block No.	

(2) Example

- Input

CMD	FD	SD
L76	00	

- Output

CMD	FD	SD	ED
7600	7111	000	
7600	7112	020	
7600	7113	000	

■ L76B

This list command lists the digit conversion on DID call (Command to be used: CM76).

(1) Method

- Input

CMD	FD	SD
L76B	Number Conversion Block No. (000-999)	

* If the FD field is omitted, all Number Conversion Block numbers (000-999) are read.

- Output

CMD	FD	SD	ED
76YY	Number Conversion Block No. (000-999)	Setting data	

* For details of CM76 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L76B		

- Output

CMD	FD	SD	ED
7601	000	100	
7601	001		NONE

7601	999		NONE
7602	000		NONE

7641	999		NONE

■ L77

This list command lists the Station Name assignment with character (Command to be used: CM77).

(1) Method

• Input

CMD	FD	SD
L77	X-XXXXXXXX: Station No.	

• Output

CMD	FD	SD	ED
771	X-XXXXXXXX: Station No.	Name Display	

* For details of CM77, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L77	200	

• Output

CMD	FD	SD	ED
771	200	ABC	

■ L77F

This list command lists the Department Name to be used in User Web Portal (Command to be used: CM77 Y=F).

(1) Method

• Input

CMD	FD	SD
L77F		

• Output

CMD	FD	SD	ED
77F	Department No. (00-99)	Department Name	

* For details of CM77, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L77F		

• Output

CMD	FD	SD	ED
77F	00	General Affairs Department	
77F	01	Sales Department	
77F	02		NONE

77F	99		NONE

■ L7714

This list command lists the Group Name for a Representative Call Notification (Command to be used: CM77 Y=14).

(1) Method

• Input

CMD	FD	SD
L7714		

• Output

CMD	FD	SD	ED
7714	Representative Call Group No. (000-127)	Group Name	

(2) Example

• Input

CMD	FD	SD
L7714		

• Output

CMD	FD	SD	ED
7714	000	Public Relations Department	
7714	001	Contact for maintenance	
7714	002		NONE

7714	127		NONE

■ L78

This list command lists the destination of split call forwarding (Command to be used: CM78).

(1) Method

• Input

CMD	FD	SD
L78	Tenant No. (00-63)	

* If the FD field is omitted, all Tenant numbers (00-63) are read.

• Output

CMD	FD	SD	ED
78	XXZ XX: Tenant No. (00-63) Z : Block No. (0-7)	Setting data	

* For details of CM78, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L78		

• Output

CMD	FD	SD	ED
78	000	100	
	
78	007		NONE
78	010		NONE
	
78	637		NONE

■ L81

This list command lists the toll restriction pattern on each trunk restriction class (Command to be used: CM81 Y=01-13).

(1) Method

• Input

CMD	FD	SD
L81		

• Output

CMD	FD	SD	ED
81YY YY: Toll Restriction Pattern number for each class (01-13)	X : Trunk restric- tion class (1-8)	Setting data	

(2) Example

• Input

CMD	FD	SD
L81		

• Output

CMD	FD	SD	ED
8101	1	3	
8101	2	3	
8101	3	3	
	
8113	1	3	
8113	2	0	
	
8113	8	0	

■ L812

This list command lists the scam call detection (Command to be used: CM81 Y=20-22, 29).

(1) Method

- Input

CMD	FD	SD
L812		

- Output

CMD	FD	SD	ED
81YY YY: Scam Call Pre- vention (20-22, 29)	XX: Toll Restriction Pattern No. for each class (01-13, 15) ZZ : Outgoing Trunk Route (00-63)	Setting data	

(2) Example

- Input

CMD	FD	SD
L812		

- Output

CMD	FD	SD	ED
8120	0100	3	
8120	0101	3	
	
8120	1563	3	
8121	0100	01	
	

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CMD	FD	SD	ED
8121	1563	10	
8122	0100	01	
	

■ L85NUM

This list command lists the maximum number of sending digits (Command to be used: CM85).

(1) Method

- Input

CMD	FD	SD
L85NUM	Development Pattern No.(0-7)	

* If the FD field is omitted, all Development Pattern numbers (0-7) are read.

- Output

CMD	FD	SD	ED
85x	Area/Office Code or its part	Maximum number of sending digits	

(2) Example

- Input

CMD	FD	SD
L85NUM	0	

- Output

CMD	FD	SD	ED
850	0	24	
850	1	24	
850	2	24	
850	...	...	...

■ L8A0

This list command lists the LCR/TOLL Restriction Development Route Pattern (Command to be used: CM8A Y=0000-0255).

(1) Method

- Input

CMD	FD	SD
L8A0	Route Pattern No. (000-255)	

* If the FD field is omitted, all Route Pattern numbers (000-255) are read.

- Output

CMD	FD	SD	ED
8A0YYY YYY: Route Pattern No. (000-255)	Pattern No. (0-4)	Setting data	

* For details of CM8A Y=0000-0255, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L8A0		

- Output

CMD	FD	SD	ED
8A0000	0	0000	
8A0000	1		NONE
	
8A0000	4		NONE
8A0001	0		NONE
	
8A0255	4		NONE

■ L8A1

This list command lists the LCR/TOLL Restriction Development Tenant Pattern (Command to be used: CM8A Y=1000-1015).

(1) Method

• Input

CMD	FD	SD
L8A1	Tenant Pattern No. (00-15)	

* If the FD field is omitted, all Tenant Pattern numbers (00-15) are read.

• Output

CMD	FD	SD	ED
8A10YY YY: Tenant Pattern No. (00-15)	Tenant No. (00-63)	Setting data	

* For details of CM8A Y=1000-1015, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L8A1		

• Output

CMD	FD	SD	ED
8A1000	00	0000	
8A1000	01		NONE
	
8A1000	63		NONE
8A1001	00		NONE
	
8A1015	63		NONE

■ L8A2

This list command lists the LCR/TOLL Restriction Development Time Pattern (Command to be used: CM8A Y=2000-2007).

(1) Method

• Input

CMD	FD	SD
L8A2	Time Pattern No. (00-07)	

* If the FD field is omitted, all Time Pattern numbers (00-07) are read.

• Output

CMD	FD	SD	ED
8A20YY YY: Time Pattern No. (00-07)	HHMM HH : Hours (00-23) MM: Minutes (00/30)	Setting data	

* For details of CM8A Y=2000-2007, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L8A2		

• Output

CMD	FD	SD	ED
8A2000	0000	0000	
8A2000	0030		NONE
	
8A2000	2330		NONE
8A2001	0000		NONE
	
8A2007	2330		NONE

■ L8A3

This list command lists the LCR/TOLL Restriction Development Date Pattern (Command to be used: CM8A Y=3000-3003).

(1) Method

- Input

CMD	FD	SD
L8A3	Date Pattern No. (00-03)	

* If the FD field is omitted, all Date Pattern numbers (00-03) are read.

- Output

CMD	FD	SD	ED
8A30YY YY: Date Pattern No. (00-03)	Week (0-6)	Setting data	

* For details of CM8A Y=3000-3003, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
L8A3		

- Output

CMD	FD	SD	ED
8A3000	0	0000	
8A3000	1		NONE
	
8A3000	6		NONE
8A3001	0		NONE
	
8A3003	6		NONE

■ L8A4

This list command lists the LCR/TOLL Restriction Development Pattern number (Command to be used: CM8A).

(1) Method

- Input

CMD	FD	SD
L8A4	Development Pattern No. (0-7)	

* If the FD field is omitted, all Development Pattern numbers (0-7) are read.

- Output

CMD	FD	SD	ED
8A400x	Area Code	Pattern No.	

(2) Example

- Input

CMD	FD	SD
L8A4	0	

- Output

CMD	FD	SD	ED
8A4000	0		NONE
8A4000	1		NONE
8A4000	2		NONE
8A4000	...	...	...

■ L8A5

This list command lists the LCR/TOLL Restriction Development LCR/TR Pattern (Command to be used: CM8A Y=5000-5255).

(1) Method

• Input

CMD	FD	SD
L8A5	LCR/TR Pattern No. (000-255)	

* If the FD field is omitted, all LCR/TR Pattern No. (000-255) are read.

• Output

CMD	FD	SD	ED
8A5YYY YYY: LCR/TR Pattern No. (000-255)	XXX: Pattern No.	Setting data	

* For details of CM8A Y=5000-5255, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L8A5		

• Output

CMD	FD	SD	ED
8A5000	000	0000	
8A5000	020		NONE
	
8A5001	000		NONE
	

■ L8A9

This list command lists the LCR/TOLL Restriction Development Digit Addition Pattern (Command to be used: CM8A Y=9000-9255).

(1) Method

• Input

CMD	FD	SD
L8A9	Digit Addition Pattern No. (000-255)	

* If the FD field is omitted, all Digit Addition Pattern numbers (000-255) are read.

• Output

CMD	FD	SD	ED
8A9YYY YYY: Digit Addition Pattern No. (000-255)	Entry of digit code to be added (0)	Setting data	

* For details of CM8A Y=9000-9255, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L8A9		

• Output

CMD	FD	SD	ED
8A9000	0	001	
8A9000	0		NONE
	
8A9000	0		NONE
8A9001	0		NONE
	
8A9255	0		NONE

■ L90

This list command lists the multiline terminal key assignment (Command to be used: CM90).

(1) Method

• Input

CMD	FD	SD
L90	X-XXXXXXXXX: My Line No.	

* The My Line No. cannot be omitted.

• Output

CMD	FD	SD	ED
90YY YY: 00-05, 14	X-XXXXXXXXX, ZZ X-XXXXXXXXX: My Line No. ZZ: Key No. (01-24, 90-99)	Setting data	

*1 For details of CM90, refer to the “Command Manual”.

*2 The meaning of Multiline Terminal keys (CM90 Y=00) is displayed in the MESSAGE field.

(2) Example

• Input

CMD	FD	SD
L90	200	

• Output

CMD	FD	SD	ED	MESSAGE
9000	200,00		NONE	
		
9000	200,24		NONE	
9000	200,90	F1004		Hooking (Transfer)
		
9000	200,99		NONE	
9001	200,00	3		
		
9001	200,24	3		
9001	200,90	3		
		
9001	200,99	3		
9002	200,00	1		
		
9002	200,24	1		
9002	200,90	1		
	...			
9002	200,99	1		
9003	200,00	1		
		
9003	200,24	1		
9003	200,90	1		

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CMD	FD	SD	ED	MESSAGE
	...			
9003	200,99	1		
9004	200,00	1		
		
9004	200,24	1		
9004	200,90	1		
	...			
9004	200,99	1		
9005	200,00	1		
		
9005	200,24	1		
9005	200,90	1		
	...			
9005	200,99	1		
9014	200,00		NONE	
		
9014	200,24		NONE	

■ L9000

This list command lists the function settings of Multiline Terminal keys. The meaning of functions is displayed in the MESSAGE field (Command to be used: CM90 Y=00).

(1) Method

• Input

CMD	FD	SD
L9000	X-XXXXXXXXX: My Line No.	

• Output

CMD	FD	SD	ED	MESSAGE
9000	X-XXXXXXXXX, ZZ X-XXXXXXXXX: My Line No. Z: Key No. (00-24, 90-99)	Setting of func- tions		Meaning of functions

*1 For details of CM90, refer to the "Command Manual".

*2 The meaning of Multiline Terminal keys (CM90 Y=00) is displayed in the MESSAGE field.

(2) Method

• Input

CMD	FD	SD
L90	@STN2	

• Output

CMDYY	FD	SD	ED	MESSAGE
9000	3100,00		NONE	
		
9000	3100,24	3100		Station No.3100
9000	3100,90	F1009		Hooking signal sent to outside (SHF)
		
9000	3100,99		NONE	
9000	3101,00	3101		Station No. 3101
		
9000	3101,24		NONE	
9000	3101,90	F1009		Hooking signal sent to outside (SHF)
		
9000	3101,99		NONE	

■ L9010

This list command lists the key setting of programmable pattern 1 (Command to be used: CM90 Y=10).

(1) Method

• Input

CMD	FD	SD
L9010		

• Output

CMD	FD	SD	ED
9010	Key No. (01-24, 90-99)	Key setting of pro- grammable pattern 1 (same as CM90 Y=00)	

* For details of CM90 Y=10, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
L9010		

• Output

CMD	FD	SD	ED
9010	00	1	
	
9010	24	24	
9010	90	F1004	
	
9010	99		NONE

■ L9B0

This list command lists the link down notice for CCIS/SIP trunk/Units to the Event Occurrence (Command to be used: CM9B Y=0).

(1) Method

• Input

CMD	FD	SD
L9B0		

• Output

CMD	FD	SD	ED
9B0	XXZZ XX: Event Occurrence Notice Button No. (01-64) ZZ : link down notice for CCIS/SIP Trunk/Units (00-51) 00: Link down notice for CCIS 02-50: Link down notice for Units (except Main Unit) 51: Link down notice for SIP	Setting data (0/1)	

(2) Example

• Input

CMD	FD	SD
L9B0		

• Output

CMD	FD	SD	ED
9B0	0100	1	
9B0	0101	1	
	
9B0	0051	1	
9B0	0100		NONE
	
9B0	6451		NONE

■ LA7

This list command lists the CCIS channel data 1 (Command to be used: CMA7).

(1) Method

• Input

CMD	FD	SD
LA7	CCIS Channel/IP trunk/SIP trunk No. (00-63)	

* If the FD field is omitted, all CCIS Channel/IP trunk/SIP trunk No. (00-63) are read.

• Output

CMD	FD	SD	ED
A7YY	CCIS Channel/IP trunk/SIP trunk No. (00-63)	Setting data	

* For details of CMA7, refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
LA7		

• Output

CMD	FD	SD	ED
A700	00	001	
A700	01	005	

A700	63	001	
A701	00		NONE

A781	63	7	

■ LB00

This list command lists the PEG COUNT 1 data (such as number of outgoing trunk seizure/incoming call seizure) for Trunk Route (Command to be used: CMB0).

(1) Method

• Input

CMD	FD	SD
LB00	Trunk Route No. (00-63)	

* If the FD field is omitted, all Trunk Route numbers (00-63) are read.

- Output

CMD	FD	SD	ED
B00	Trunk status data (000-063)	Number of outgoing trunk seizure-Trunk Route	
	Trunk status data (100-163)	Number of incoming call seizure-Trunk Route	
	Trunk status data (200-263)	Number of times all trunks found to be busy trunk route	
	Trunk status data (500-563)	Number of incoming calls terminated to busy tone-Trunk Route	
	Trunk status data (600-663)	Number of unan- swered incoming calls-Trunk Route	
	Trunk status data (700-763)	Number of register connection on trunk call-Trunk Route	

(2) Example

- Input

CMD	FD	SD
LB00		

- Output

CMD	FD	SD	ED
B00	000	0	
B00	001	25	
	
B00	063	1789	
B00	100	10	
B00	101	495	
	
B00	763	0	

■ LB04

This list command lists PEG COUNT 1 data (such as number of Call Origination/Call Termination) for ZT (Command to be used: CMB0 Y=4).

(1) Method

- Input

CMD	FD	SD
LB04	ZT No. (000-255)	

* If the FD field is omitted, all ZT numbers (000-255) are read.

• Output

CMD	FD	SD	ED
B04	0XXX: Number of Call Origination XXX: ZT No. (000-255)	PEG COUNT data (0000-4999)	
	1XXX: Number of Call Termination XXX: ZT No. (000-255)		
	2XXX: Number of Location Registration XXX: ZT No. (000-255)		
	3XXX: Number of Handover XXX: ZT No. (000-255)		
	4XXX: Number of out of cell (zone) XXX: ZT No. (000-255)		

(2) Example

• Input

CMD	FD	SD
LB04		

• Output

CMD	FD	SD	ED
B04	0000	00000	
B04	0001	00020	
	
B04	0255	49999	
B04	1000	00123	
	
B04	4255	49999	

■ LB11

This list command lists the incoming trunk traffic data (Command to be used: CMB1 Y=1).

(1) Method

- Input

CMD	FD	SD
LB11	Trunk No. (000-511)	

* If the FD field is omitted, all Trunk numbers (000-511) are read.

- Output

CMD	FD	SD	ED
B11	XXXZ XXX: Trunk No. (000-511) Z : Record No. (0-6)	XXXX: Incoming trunk traffic data	

(2) Example

- Input

CMD	FD	SD
LB11		

- Output

CMD	FD	SD	ED
B11	0000	0000	
	
B11	0006		NONE
	
B11	5110	0000	
	
B11	5116	****	

■ LB12

This list command lists the outgoing trunk traffic data (Command to be used: CMB1 Y=2).

(1) Method

- Input

CMD	FD	SD
LB12	Trunk No. (000-511)	

* If the FD field is omitted, all Trunk numbers (000-511) are read.

- Output

CMD	FD	SD	ED
B12	XXXZ XXX: Trunk No. (000-511) Z : Record No. (0-6)	XXXX: Outgoing trunk traffic data	

(2) Example

- Input

CMD	FD	SD
LB12		

- Output

CMD	FD	SD	ED
B12	0000	0000	
	
B12	0006		NONE
	
B12	5110	0000	
	
B12	5116	****	

■ LB13

This list command lists incoming trunk route traffic data (Command to be used: CMB1 Y=3).

(1) Method

- Input

CMD	FD	SD
LB13	Trunk Route No. (00-63)	

* If the FD field is omitted, all Trunk Route numbers (00-63) are read.

- Output

CMD	FD	SD	ED
B13	XXZ XX: Trunk Route No. (00-63) Z : Record No. (0-6)	XXXXXX: Incoming trunk route traffic data	

(2) Example

- Input

CMD	FD	SD
LB13		

- Output

CMD	FD	SD	ED
B13	000	000000	
	
B13	006		NONE
	
B13	630	000000	
	
B13	636	999999	

■ LB14

This list command lists the outgoing trunk route traffic data (Command to be used: CMB1 Y=4).

(1) Method

- Input

CMD	FD	SD
LB14	Trunk Route No. (00-63)	

* If the FD field is omitted, all Trunk Route numbers (00-63) are read.

- Output

CMD	FD	SD	ED
B14	XXZ XX: Trunk Route No. (00-63) Z : Record No. (0-6)	XXXXXX: Outgoing trunk route traffic data	

(2) Example

- Input

CMD	FD	SD
LB14		

- Output

CMD	FD	SD	ED
B14	000	000000	
	
B14	006		NONE
	
B14	630	000000	
	
B14	636	999999	

■ LB19

This list command lists the traffic data of ZT (Command to be used: CMB1 Y=9).

(1) Method

- Input

CMD	FD	SD
LB19	ZT No. (000-255)	

* If the FD field is omitted, all ZT numbers (000-255) are read.

- Output

CMD	FD	SD	ED
B19	XXXZZ XXX: ZT No. (000-255) ZZ : Time Zone No. (00-24)	XXXX: Traffic data	

(2) Example

- Input

CMD	FD	SD
LB19		

- Output

CMD	FD	SD	ED
B19	00000	0000	
	
B19	00024		NONE
	
B19	25500	0000	
	
B19	25524	****	

■ LB1A

This list command lists the percentage of ZT B channel all busy (Command to be used: CMB1 Y=A).

(1) Method

- Input

CMD	FD	SD
LB1A	ZT No. (000-255)	

* If the FD field is omitted, all ZT numbers (000-255) are read.

- Output

CMD	FD	SD	ED
B1A	XXXZZ XXX: ZT No. (000-255) ZZ : Time Zone No. (00-24)	XXX: Percentage of B chan- nel all busy data	

(2) Example

- Input

CMD	FD	SD
LB1A		

- Output

CMD	FD	SD	ED
B1A	00000	000	
	
B1A	00024		NONE
	
B1A	25500	000	
	
B1A	25524	***	

■ LB4

This list command lists the PEG COUNT of IP network (Command to be used: CMB4).

(1) Method

- Input

CMD	FD	SD
LB4	Location No. of group to receive side (00-63)	

* If the FD field is omitted, all location numbers of group to receive side (00-63) are read.

- Output

CMD	FD	SD	ED
B4YY YY: 00-03	XXZZ XX: Location No. of group to send side (00-63) ZZ : Location No. of group to receive side (00-63)	Setting data	

* For details of CMB4, refer to the “Command Manual”.

(2) Example

- Input

CMD	FD	SD
LB4		

- Output

CMD	FD	SD	ED
B400	0000	00000	
B400	0001	00000	
	
B400	0063	00000	
B400	0100	00000	
	
B400	6363	00000	
B401	0000	00000	
	
B403	6363	0000000	

■ LBA

This list command lists the SIP profile data (Command to be used: CMBA).

(1) Method

- Input

CMD	FD	SD
LBA	Profile No. for control packet (00-63)	

* If the FD field is omitted, all Profile numbers for control packet (00-31) are read.

- Output

CMD	FD	SD	ED
BAYY/YYY	Profile No. for control packet (00-63)	SIP profile data	

* For details of CMBA (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
LBA		

• Output

CMD	FD	SD	ED
BA04	00	15	
BA04	01	15	
	
BA04	63	15	
	
BA10	00		NONE
	

■ **LD72**

This list command lists the OAI control data (Command to be used: CMD7 Y=2).

(1) Method

• Input

CMD	FD	SD
LD72		

• Output

CMD	FD	SD	ED
D72	Message number (000-127)	Setting data	

(2) Example

• Input

CMD	FD	SD
LD72		

• Output

CMD	FD	SD	ED
D72	000	1000	

D72	050		NONE

D72	127	1001	

■ **LE51**

This list command lists the trunk line make busy conditions (Command to be used: CME5 Y=1).

(1) Method

• Input

CMD	FD	SD
LE51	Trunk No. (000-511)	

• Output

CMD	FD	SD	ED
E51	Trunk No. (000-511)	Setting data	

* If the Trunk No. not assigned to the system is entered, “TRK NOT ASSIGNED” is displayed in the ED field.

(2) Example

• Input

CMD	FD	SD
LE51		

• Output

CMD	FD	SD	ED
E51	000		TRK NOT ASSIGNED

E51	300	1	

E51	511		TRK NOT ASSIGNED

■ **LE53**

This list command lists the ZT make busy conditions (Command to be used: CME5 Y=3).

(1) Method

• Input

CMD	FD	SD
LE53	ZT No. (000-255)	

• Output

CMD	FD	SD	ED
E53	ZT No. (000-255)	Setting data	

* If the ZT No. not assigned to the system is entered, "DATA NOT FOUND" is displayed in the ED field.

(2) Example

• Input

CMD	FD	SD
LE53		

• Output

CMD	FD	SD	ED
E53	000		DATA NOT FOUND
E53	001	1	

E53	255		DATA NOT FOUND

■ LE55

This list command lists the station, trunk line make busy conditions (Command to be used: CME5 Y=5).

(1) Method

• Input

CMD	FD	SD
LE55	Unit No. (01-50)	

* If the FD field is omitted, all Unit numbers (01-50) are read.

• Output

CMD	FD	SD	ED
E55	XXZZZ XX : Unit No. (01-50) ZZZ: VoIPDB chan- nel (001-128)	0: Make busy (forced) 1: Make idle 2: Make busy (after calls finished)	

(2) Example

• Input

CMD	FD	SD
LE55		

• Output

CMD	FD	SD	ED
E55	01001	1	
	
E55	01128	1	
E55	02001	1	
	
E55	50128	1	

■ LE6

This list command lists the Call forwarding set/reset from PCPro/CAT (Command to be used: CME6).

(1) Method

• Input

CMD	FD	SD
LE6	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
E6YY	X-XXXXXXXX: Station No.	Setting data	

* For details of CME6 (such as the setting range and the meaning of Y No.), refer to the “Command Manual”.

(2) Example

• Input

CMD	FD	SD
LE6	100	

• Output

CMD	FD	SD	ED
E600	100	4990	
E601	100		NONE

■ LECE

This list command lists the Call History of Malicious Call List Set by a User Operation (Command to be used: CMEC Y=E).

(1) Method

• Input

CMD	FD	SD
LECE		

• Output

CMD	FD	SD	ED
ECE	History No. (0000-1999)	AA/BB/CC/DDD...D /EEEE/FF/GGG...G See below	
Call history Indication of Malicious Call List Set: AA : Year (00-99) BB : Month (01-12) CC : Date (01-31) DDD...D : Operated Station No. (Maximum 8 digits) EEEEE : Block No. of Malicious Call List (5 digits): 1000-Slot Memory Block No. (00-99) + 10-Slot Memory Block No. (00-99) + Memory Parcel No. (0-9) FF : Operation (00: Set, 01: Delete) GGG...G : Malicious Call No. (Maximum 16 digits)			

* If Operated Station No. or Malicious Call No. is less than the maximum digits, empty digits are padded with spaces.

(2) Example

• Input

CMD	FD	SD
LECE		

• Output

CMD	FD	SD	ED
ECE	0000	15/02/16/1000 /18121/00/0399999999	
ECE	0001	14/12/07/1200 /19051/01/0377777777	
	
ECE	1999	14/03/25/5140 /18014/00/0801111111	

■ LLEN

This list command lists the reading data of terminal (Tenant Group No., Trunk No., ZT No.)/(Command to be used: CM05/CM10/CM11).

(1) Method

• Input

CMD	FD	SD
LLEN		

• Output

CMD	FD	SD	ED
050	XXYY XX: Unit No. (01-50) YY: Slot No. (01-18)	Blade Type	
1000	XXYYZZ XX: Unit No. (01-50) YY: Slot No. (01-18) ZZ : Circuit No. (01-32)	TDM terminal/Trunk No.	
1001	Virtual Port No. (for IP terminal) (0000-1535)	IP terminal No.	
1002	Virtual Port number (for IPT [P2P CCIS]) (000-511)	Trunk No. (000-511)	
1003	Virtual Port No. (for SIP trunk) XXYYY XX : Unit No. (01-50) YYY: Port No. for voice channel (000-127)	Trunk No. (000-511)	
1004	Virtual Port No. (000-1023)	PHS/Standard SIP station No.	
11	Virtual Port No. (0000-0999)	Virtual Line No./ Intercom No.	

* The TDM terminal/Trunk registration (set by CM10 Y=10) reads the Unit No./Slot No. to which the blade is registered (set by CM05 Y=0).

(2) Example

• Input

CMD	FD	SD
LLEN		

• Output

CMD	FD	SD	ED
050	0101	10	
050	0102	30	
050	5018	41	
1000	010101	F2000	
1000	010102	F2001	
...
1000	010201	D000	
1000	010202	D001	
...
1000	501832	D399	
1001	0000	F3000	
1001	0001	F3001	
...
1001	1535	F3500	
1002	000	D400	
...
1002	511	D404	
1003	01000	D500	
...
1003	01096	D506	
1004	000	4000	
...
1004	511	4511	
11	0000	5000	
...
11	0999	5999	

■ LLIC

This list command lists the Software License Data registered with system (Command to be used: CMF8 Y=9).

(1) Method

- Input

CMD	FD	SD
LLIC		

- Output

CMD	FD	SD	ED
F89	Consecutive No. of License DATA Loaded	License Name: Authentication Status	

(2) Example

- Input

CMD	FD	SD
LLIC		

- Output

CMD	FD	SD	ED
F89	001	Capacity/Function/ Terminal License ...	
F89	002	Capacity/Function/ Terminal License ...	
F89	003	Capacity/Function/ Terminal License ...	

■ LKEY

This list command lists the Software Key Code registered with system (Command to be used: CMF8 Y=A).

(1) Method

- Input

CMD	FD	SD
LKEY		

- Output

CMD	FD	SD	ED
F8A	Consecutive No. of License DATA Loaded	Hardware/Software Key Code	

* Consecutive No. (000) displays a Hardware Key Code.

(2) Example

- Input

CMD	FD	SD
LKEY		

- Output

CMD	FD	SD	ED
F8B	000	36LYRA ...	
F8B	001	SC18CA7B0500003 ...	
F8B	002	SC18CA7B0500003 ...	
F8B	...	...

■ LCARD

This list command lists the firmware information of the blade registered with system (Command to be used: CME8 Y=0).

(1) Method

- Input

CMD	FD	SD
LCARD		

- Output

CMD	FD	SD	ED
E80	XXYY XX: Unit No. (01-50) YY: Slot No. (01-18)	XXYYZZ XX: Firmware type (same as second data of CM05 Y=0) YY: Firmware ver- sion on the blade ZZ : Firmware ver- sion of the blade supplied with the basic software	

* The firmware information reads the Unit No./Slot No. to which the blade is registered (set by CM05 Y=0).

(2) Example

- Input

CMD	FD	SD
LCARD		

• Output

CMD	FD	SD	SD
E80	0101	412329	
E80	0102	502423	
E80	0103	423131	
E80	0104	102423	
E80	0105	30FF24	
E80	0106		WAIT, BUSY NOW
E80	0118	20FF28	
E80	5011		ERROR

■ LPICK

This list command lists the station number of the Call Pickup Group to which the specified station number belongs (Command to be used: CM16 Y=0).

(1) Method

• Input

CMD	FD	SD
LPICK	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
160	X-XXXXXXXX: Station No.	Next station number in Call Pickup Group	See the table on next page.

* The contents to be displayed in the ED field are as follows.

Display Contents	Meaning
“empty”	The chain of group is correct.
[DATA ERROR]	The station number in the FD field is not registered.
[INVALID ERROR]	The station number in the FD field cannot be registered to the group.
[NONE]	The station number in the FD field is not registered to the group.
[GROUP BROKEN]	The next station number in the SD field is incorrect.
[OVER LIMIT]	The number of stations is over 60.

(2) Example

• Input

CMD	FD	SD
LPICK	4000	

• Output

CMD	FD	SD	ED
160	4000	4001	
160	4001	4002	
160	4002	4003	
160	4003	4004	
160	4004	4005	
160	4005	4000	

■ LUCD

This list command lists the station number of the UCD Group to which the specified station number belongs, pilot or member station and UCD Group number (Command to be used: CMF5 Y=5/CM17 Y=0-2).

(1) Method

• Input

CMD	FD	SD
LUCD	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
170	X-XXXXXXXX: Station No.	Next station number in UCD Group	See the table below.
171		0: Member station 1: Pilot station 2: OAI member station 3: OAI pilot station	
172		UCD Group number (00-99)	

* With “170” (CM17 Y=0), the contents to be displayed in the ED field are as follows.

Display Contents	Meaning
“empty”	The chain of group is correct.
[DATA ERROR]	The station number in the FD field is not registered.
[INVALID ERROR]	The station number in the FD field cannot be registered to the group.
[NONE]	The station number in the FD field is not registered to the group.
[GROUP BROKEN]	The next station number in the SD field is incorrect.
[OVER LIMIT]	The number of stations is over 60.

(2) Example

• Input

CMD	FD	SD
LUCD	4000	

• Output

CMD	FD	SD	ED
170	4000	4001	
170	4001	4002	
170	4002	4000	
171	4000	1	
171	4001	0	
171	4002	0	
172	4000	00	
172	4001	00	
172	4002	00	

■ **LHUNT**

This list command lists the station number of the Station Hunting Group to which the specified station number belongs and kind of station numbers included in Station Hunting Group (Command to be used: CMF5 Y=5/CM18 Y=0, 1).

(1) Method

• Input

CMD	FD	SD
LHUNT	X-XXXXXXXX: Station No.	

* The Station No. cannot be omitted.

• Output

CMD	FD	SD	ED
180	X-XXXXXXXX: Station No	Next station number in UCD Group	See the table on next page.
181		Kind of station num- bers included in Sta- tion Hunting Group	
		Station Hunting-Ter- minal 0: Member station of Station Hunting- Terminal 1: Pilot station of Sta- tion Hunting-Ter- minal	
		Station Hunting-Cir- cular 0: Not used 1: If station is busy, hunt in original direction 5: If station is busy, hunt in reverse direction	
		Station Hunting-Sec- retarial 0: Not used 1: Station number other than the last station number for Station Hunting- Secretarial 5: Last station num- ber of Station Hunting-Secretarial	

* With “180” (CM18 Y=0), the contents to be displayed in the ED field are as follows.

Display Contents	Meaning
“empty”	The chain of group is correct.
[DATA ERROR]	The station number in the FD field is not registered.
[INVALID ERROR]	The station number in the FD field cannot be registered to the group.
[NONE]	The station number in the FD field is not registered to the group.
[GROUP BROKEN]	The next station number in the SD field is incorrect.
[OVER LIMIT]	The number of stations is over 60.

(2) Example

• Input

CMD	FD	SD
LHUNT	4000	

• Output

CMD	FD	SD	ED
180	4000	4001	
180	4001	4002	
180	4002	4000	
181	4000	1	
181	4001	0	
181	4002	0	

■ LPICK2

This list command provides overall information about Call Pickup Group assignment, and lists the station numbers for each Call Pickup Group and status (Command to be used: CM16 Y=0).

(1) Method

- Input

CMD	FD	SD
LPICK2		

- Output

CMD	FD	SD	ED
PICK GRP	The number of Call Pickup Groups		
GRP STN	Total number of member stations of Call Pickup Groups		
FREE STN	The number of non-member stations of Call Pickup Groups		
ERR STN	The number of stations with an incorrect “chain” link for Call Pickup Group		
GRP x x: Call Pickup Group No. (Serial numbers starting from 1.)			
160	A station number assigned to a Call Pickup Group	The station number being linked with for the Call Pickup Group	
...

Continued on next page

CMD	FD	SD	ED
FREE STN			
160	A station number not assigned to a Call Pickup Group		NONE (Result of data retrieval with CM160>FD)
...
ERR STN			
160	A station number with an incorrect "chain" link for Call Pickup Group	Result of data retrieval with CM160>FD	Result of data retrieval with CM160>FD
...

- * The LPICK2 command lists all the station numbers being linked together to form each Call Pickup Group.
- * The LPICK2 command lists all the station numbers not being linked together to form a Call Pickup Group.
- * When a chain configuration error is detected in a Call Pickup Group, the station links of the problematic section are listed under the ERR STN category. If more than one error is present, the problematic sections are separated by a blank line.
- * The LPICK2 command does not provide information about ISDN terminals or modem stations, which are not supported for Call Pickup Group. The terminals are not listed even under the FREE STN category.

(2) Example

- Input

CMD	FD	SD
LPICK2		

• Output

CMD	FD	SD	ED
PICK GRP	2		
GRP STN	6		
FREE STN	8		
ERR STN	6		
GRP 1			
160	1000	1001	
160	1001	1002	
160	1002	1003	
160	1003	1000	
GRP 2			
160	1007	1008	
160	1008	1007	
FREE STN			
160	1004		NONE
160	1013		NONE
160	3AAA		NONE
160	3000		NONE
160	3001		NONE
160	3		NONE
160	1500		NONE
160	5000		DATA ERROR
ERR STN			
160	1006	1005	

Continued on next page

CMD	FD	SD	ED
160	1005	1003	
160	1009	1010	
160	1010	1011	
160	1011		NONE
160	1012	1005	

■ LUCD2

This list command provides overall information about UCD Group assignment, and lists the station numbers for each UCD Group and status (Command to be used: CM17 Y=0-2).

(1) Method

- Input

CMD	FD	SD
LUCD2		

- Output

CMD	FD	SD	ED
UCD GRP	The number of UCD Groups, each of which consists of multiple stations linked together by a “chain”		
GRP STN	Total number of member stations of UCD Groups		

Continued on next page

CMD	FD	SD	ED
FREE STN	The number of non-member stations of UCD Groups		
ERR STN	The number of stations with an incorrect “chain” link for UCD Group		
GRP x x: UCD Group No. (Serial numbers starting from 1.)			
170	A station number assigned to a UCD Group	The station number being linked with for the UCD Group	
...
FREE STN			
170	A station number not assigned to a UCD Group	Result of data retrieval with CM170>FD	Result of data retrieval with CM170>FD
...
ERR STN			
170	A station number with an incorrect “chain” link for UCD Group	Result of data retrieval with CM170>FD	Result of data retrieval with CM170>FD
...

* The LUCD2 command lists all the station numbers being linked together to form each UCD Group.

- * The LUCD2 command lists all the station numbers not being linked together to form a UCD Group.
- * When a chain configuration error is detected in a UCD Group, the station links of the problematic section are listed under the ERR STN category. If more than one error is present, the problematic sections are separated by a blank line.
- * The LUCD2 command does not provide information about ISDN terminals or modem stations, which are not supported for UCD Group. The terminals are not listed even under the FREE STN category.

(2) Example

• Input

CMD	FD	SD
LUCD2		

• Output

CMD	FD	SD	ED
UCD GRP	2		
GRP STN	6		
FREE STN	8		
ERR STN	6		
GRP 1			
170	1000	1001	
170	1001	1002	
170	1002	1003	
170	1003	1000	
GRP 2			
170	1007	1008	
170	1008	1007	

Continued on next page

CMD	FD	SD	ED
FREE STN			
170	1004		NONE
170	1013		NONE
170	3AAA		NONE
170	3000		NONE
170	3001		NONE
170	3		NONE
170	1500		NONE
170	5000		DATA ERROR
ERR STN			
170	1006	1005	
170	1005	1003	
170	1009	1010	
170	1010	1011	
170	1011		NONE
170	1012	1005	

■ LHUNT2

This list command provides overall information about Station Hunting Group assignment, and lists the station numbers for each Station Hunting Group and status (Command to be used: CM18 Y=0, 1).

(1) Method

• Input

CMD	FD	SD
LHUNT2		

• Output

CMD	FD	SD	ED
HUNT GRP	The number of Station Hunting Groups, each of which consists of multiple stations linked together by a “chain”		
GRP STN	Total number of member stations of Station Hunting Groups		
FREE STN	The number of non-member stations of Station Hunting Groups		
ERR STN	The number of stations with an incorrect “chain” link for Station Hunting Group		

Continued on next page

CMD	FD	SD	ED
GRP x x: Station Hunting Group No. (Serial numbers starting from 1.)			
180	A station number assigned to a Station Hunting Group	The station number being linked with for the Station Hunting Group	
...
FREE STN			
180	A station number not assigned to a Station Hunting Group	Result of data retrieval with CM180>FD	Result of data retrieval with CM180>FD
...
ERR STN			
180	A station number with an incorrect “chain” link for Sta- tion Hunting Group	Result of data retrieval with CM180>FD	Result of data retrieval with CM180>FD
...

- * The LHUNT2 command lists all the station numbers being linked together to form each Station Hunting Group.
- * The LHUNT2 command lists all the station numbers not being linked together to form a Station Hunting Group.
- * When a chain configuration error is detected in a Station Hunting Group, the station links of the problematic section are listed under the ERR STN category. If more than one error is present, the problematic sections are separated by a blank line.
- * The LHUNT2 command does not provide information about modem stations, which are not supported for Station Hunting Group. The stations are not listed even under the FREE STN category.

(2) Example

• Input

CMD	FD	SD
LHUNT2		

• Output

CMD	FD	SD	ED
HUNT GRP	2		
GRP STN	6		
FREE STN	8		
ERR STN	6		
GRP 1			
180	1000	1001	
180	1001	1002	
180	1002	1003	
180	1003	1000	
GRP 2			
180	1007	1008	
180	1008	1007	
FREE STN			
180	1004		NONE
180	1013		NONE
180	3AAA		NONE
180	3000		NONE
180	3001		NONE
180	3		NONE

Continued on next page

CMD	FD	SD	ED
180	1500		NONE
180	5000		DATA ERROR
ERR STN			
180	1006	1005	
180	1005	1003	
180	1009	1010	
180	1010	1011	
180	1011		NONE
180	1012	1005	

Using List Commands (for Functions)

The followings show how to use list commands (for functions) and its usage example.

■ !

This list command resets the system (F-ROM backup is executed before a reset).

(1) Method

- Input

CMD	FD	SD
!		

- Output

CMD	FD	SD	ED
!		FFFFFFFF	OK

* If the system is reconnected, “OK” is displayed in the ED field.

■ !+

This list command resets the system (F-ROM backup is not executed).

(1) Method

- Input

CMD	FD	SD
!+		

- Output

CMD	FD	SD	ED
!+			OK

* If the system is reconnected, “OK” is displayed in the ED field.

■ @WAIT

This list command is used to wait for the time (second) specified with doing nothing.

(1) Method

- Input

CMD	FD	SD
@WAIT	Second (1-300)	

*1 Unable to communicate to the system during waiting time (300 seconds maximum).

*2 “@WAIT” can be used continuously.

- Output

CMD	FD	SD	ED
@WAIT	Second (1-300)		OK

(2) Example

- Input

CMD	FD	SD
E80	0101	
E80	0101	30
@WAIT	60	
E80	0101	
E80	0102	
E80	0102	40
@WAIT	300	
E80	0102	

• Output

CMD	FD	SD	ED
E80	0101	301122	
E80	0101	30	
@WAIT	60		OK
E80	0101	302222	
E80	0102	601823	
E80	0102	60	
@WAIT	300		OK
80	0102	602323	

■ @TIME

This list command sets the Date/Time of the system (read the current Date/Time of PC and set them to the system).

(1) Method

• Input

CMD	FD	SD
@TIME	PC	

• Output

CMD	FD	SD	ED
02	0	YYYY	OK
02	1	MMDDDD	OK
02	2	HHMMSS	OK

(2) Example

• Input

CMD	FD	SD
@TIME	PC	

• Output

CMD	FD	SD	ED
02	0	2014	OK
02	1	030101	OK
02	2	124530	OK

■ @FAULT

This list command reads fault information stored on the SV9300 and outputs CSV/HTML files.

(1) Method

• Input

CMD	FD	SD
@FAULT		CSV file name to output (full path)

*1 If the same file name already exists at the destination, the file will be overwritten.

*2 If a folder does not exist at the destination, the folder for output will be made.

*3 The HTML file is output by changing the extension of the CSV file to “.html”.

• Output

CMD	FD	SD	ED
@FAULT		CSV file name to output (full path)	See the table on next page.

* The contents to be displayed in the ED field are as follows.

Display Contents	Meaning
OK	Normal termination (there is fault information.)
TIMEOUT	Time out
USERCANCEL	User cancel
PORTTROUBLES	Line disconnection
LACKINPUT	Input data error
NG	Other error
NONE	No fault information
FILE ERROR	Input CSV file name error

(2) Example

- Input

CMD	FD	SD
@FAULT		C:\Fault\fault.csv

- Output

CMD	FD	SD	ED
@FAULT		C:\Fault\fault_+ date/ time (MMDDHH MM).csv	OK

*1 The following information is included in the output CSV/HTML file.

- Sequence number (in order of the latest date and time), date and time of fault occurrence, Fault Kind number, Alarm, Unit/Slot/Circuit number, a detailed level of the fault information plugin

*2 The HTML file output in parallel is also output the same format as the CSV file as follows.

- fault_+ date/time (MMDDHHMM).html

<An output example of CSV file (C:\Fault\fault.csv)>

```
"1", "14/05/05 16:39:53", "104", "MJ", "01-02", "Blade down
Blade Type: COT (30)

04 01 02 00 08 11 05 16 39 53 00 00 00 00 00 00
00 01 FF 00 1E 30 08 02 20 90 32 42 30 33 32 35
42 4A 33 30 30 30 30 35 4A 31 30 41 41 41 08 03
03 00 01 81 00 FF FF FF FF FF 08 FF FF FF FF 08
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
"

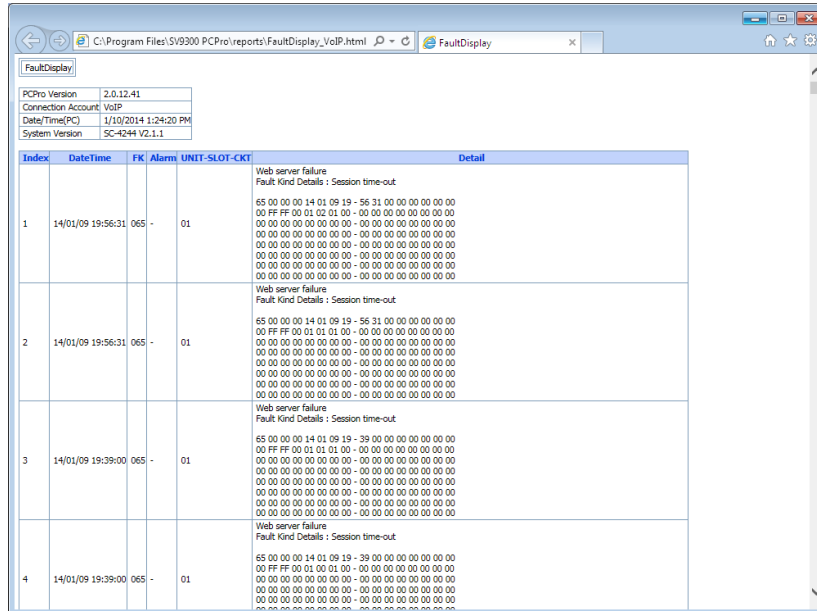
"2", "14/05/05 16:40:01", "105", "MN", "01-02", "Blade returned to normal condition
Blade Type: COT (30)

05 01 01 00 08 11 05 16 40 01 00 00 00 00 00 00
00 01 FF 00 1E 30 FF 02 20 FF 32 42 30 33 32 35
42 4A 33 30 30 30 30 35 4A 31 30 41 41 41 08 03
03 00 01 81 FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
FF FF FF FF FF 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
"

"3", "14/05/05 16:39:57", "104", "MJ", "01-02", "Blade down
Blade Type: COT (30)

04 01 02 00 08 11 05 16 39 57 00 00 00 00 00 00
00 01 FF 00 1E FF FF FF FF FF FF FF FF FF FF
```


<An output example of HTML file (C:\Fault\fault.html)>



■ @SAVE

This list command saves the system data (saves the system data registered in the system onto PCPro).

(1) Method

- Input

CMD	FD	SD
@SAVE	Area No. (1-255)	File name to save (Path name + File name)

*1 The extension of the file name is effective only “.lyd”.

*2 Two or more area numbers can be specified by delimiting it by “,” (comma).

*3 If the FD field is omitted, all area numbers are saved (see the table on next page).

Area No.	System Data Area Name	Remarks
1	All system data (except Speed Dialing)	System data only
2	All service memory	Service memory only
3	Call History Data	
4	Speed Dial Data	CM73, 74
80	Registration data by MAC Authentication	
81	DBM Data (PHS/OAI)	
84	Voice data of VRS (CPU Memory: Flash-ROM)	
83	Voice data of VRS (CF Memory) for Migration	
—	Specifying Area No.	Saves system data by specifying Area No.

* While saving the system data, do not write and read the system data by using CAT or any other application.

• Output

CMD	FD	SD	ED
@SAVE	Area No. (1-255)	File name to save (Path name + File name)	Result

(2) Example

• Input

CMD	FD	SD
@SAVE	1	D:\TEMP.lyd

- Output

CMD	FD	SD	ED
@SAVE	1	D:\TEMP_ + date/ time (MMDDHH MM).lyd	OK

■ @LOAD

This list command loads the system data (loads the system data saved on PCPro into the system).

(1) Method

- Input

CMD	FD	SD
@LOAD		File name to load (Path name + File name)

*1 For the file to load, specify the system data file saved with SV9300 PCPro.

*2 While loading the system data, do not write and read the system data by using CAT or any other application.

- Output

CMD	FD	SD	ED
@LOAD		File name to load (Path name + File name)	Result

(2) Example

- Input

CMD	FD	SD
@LOAD		D:\TEMP.lyd

- Output (OK)

CMD	FD	SD	ED
@LOAD		D:\TEMP.lyd	OK

- Output (NG: File format error)

CMD	FD	SD	ED
@LOAD		D:\TEMP.lyd	FILE FORMAT ERROR

■ @VFY

This list command verifies the system data (verifies whether there is difference between the system data registered in the system and the system data saved on PCPro).

(1) Method

- Input

CMD	FD	SD
@VFY		File name to verify (Path name + File name)

*1 For the file to verify, specify the system data file saved with SV9300 PCPro.

*2 While verifying the system data, do not write and read the system data by using CAT or any other application.

- Output

CMD	FD	SD	ED
@VFY		File name to verify (Path name + File name)	Result

* If there is the difference on the verification process, the “<Connection Account>-Verify.log” is output to the following folder and the result of the verification is written in the output log file.
-“<Installed Folder>\pbxfiles”

(2) Example

- Input

CMD	FD	SD
@VFY		D:\TEMP.lyd

- Output (case of no difference)

CMD	FD	SD	ED
@VFY		D:\TEMP.lyd	OK

- Output (case that there are differences [11 differences])

CMD	FD	SD	ED
@VFY		D:\TEMP.lyd	ERROR COUNT: 11

■ @B601

This list command lists the VoIP Packet Statistics between locations (outputs the listed data with the format which is easy to browse and edit using Excel). After the list up, it is recommended to save this listed data in Excel format (xlsx).

(1) Method

- Input

CMD	FD	SD
@B601	Location combination pattern (00-09)	

• Output

CMD	FD	SD	ED	MESSAGE
COMBINATION PATTERN NO.	The location combination number desig- nated by input. (00-09)			
LOCATION NO. (SEND-> RECEIVE)	Originating loca- tion No.-> Destination loca- tion No.			
YY/MM/DD HH	RTP PACKETS (SEND/ RECEIVE)	RTP PACKET LOSS	PATH CONNec- TIONS	DETECTIONS OF SOUND DEGRADATION
YY/MM/DD HH: YY: Year (00-99) MM: Month (01-12) DD: Day (01-31) HH: Hour (00-23)	XXX...X: RTP packets (Send) (Maximum 10 digits)/RTP packets (Receive) (Maximum 10 digits)	XXX...X: RTP packet loss (Maximum 10 digits)	XXX...X: path connections (Maximum 10 digits)	XXX...X: The number of detection of sound degrada- tion (Maximum 10 digits)

*1 The read data of location B is displayed after showing the read data of location A.

*2 For the data (the first line) during collecting the statistics information, * (asterisk) is displayed at the end of YY/MM/DD HH displayed in the CMD line.

(2) Example

• Input

CMD	FD	SD
@B601	00	

• Output

CMD	FD	SD	ED	MESSAGE
COMBINATION PATTERN NO.	00			
LOCATION NO. (SEND-> RECEIVE)	00->01			
YY/MM/DD HH	RTP PACKETS (SEND/ RECEIVE)	RTP PACKET LOSS	PATH CONNEC- TIONS	DETECTIONS OF SOUND DEGRADATION
15/08/28 13*	300/300	0	0	0
15/08/28 12	1080/1080	2	80	0
COMBINATION PATTERN NO.	00			
LOCATION NO. (SEND-> RECEIVE)	01->00			
YY/MM/DD HH	RTP PACKETS (SEND/ RECEIVE)	RTP PACKET LOSS	PATH CONNEC- TIONS	DETECTIONS OF SOUND DEGRADATION
15/08/28 13*	421/421	0	0	0
15/08/28 12	510/510	0	15	1

■ @ECE

This list command lists the Call History of Malicious Call List Set by a User Operation (Optimized to Excel). After the list up, it is recommended that you save in Excel format (xlsx).

(1) Method

• Input

CMD	FD	SD
@ECE		

• Output

CMD	FD	SD	ED	MESSAGE
YY/MM/DD	STATION NO.	BLOCK NO.	OPERATION	MALICIOUS NO.
YY/MM/DD: Year/Month/ Date	X- XXXXXXXX: Operated Station No. (Maximum 8 digits)	XXXXX: Block No. of Malicious Call List (5 digits): 1000-Slot Mem- ory Block No. (00-99) + 10- Slot Memory Block No. (00- 99) + Memory Parcel No. (0-9)	SET DELETE	XXX...X: Malicious Call No. (Maximum 16 digits)

* The first line is the header for editing Excel.

(2) Example

• Input

CMD	FD	SD
@ECE		

- Output

CMD	FD	SD	ED	MESSAGE
YY/MM/DD	STATION NO.	BLOCK NO.	OPERATION	MALICIOUS NO.
15/02/16	1000	18112	SET	0399999999
14/12/07	1200	19064	DELETE	0377777777
...
14/03/25	1400	18031	SET	0801111111

■ @FD

This list command refers to the FD of the script line executed previously (executes the command using the FD data of the script row result executed previously).

(1) Method

- Input (pattern 1)

CMD	FD	SD
Execution command	@FD	(Setting data)

- Output (pattern 1)

CMD	FD	SD	ED
Execution command	FD data of execution result of script line executed previously	(Setting data)	(Result)

- Input (pattern 2)

CMD	FD	SD
Execution command	(Setting data)	@FD

- Output (pattern 2)

CMD	FD	SD	ED
Execution command	(Setting data)	FD data of execution result of script line executed previously	(Result)

(2) Example

• Input

CMD	FD	SD
1200	300	
1300	@FD	

• Output

CMD	FD	SD	ED
1200	300	3	
1300	300	1	

■ @SD

This list command refers to the SD of the script line executed previously (executes the command using the SD data of the script row result executed previously).

(1) Method

• Input (pattern 1)

CMD	FD	SD
Execution command	@SD	(Setting data)

• Output (pattern 1)

CMD	FD	SD	ED
Execution command	SD data of execution result of script line executed previously	(Setting data)	(Result)

• Input (pattern 2)

CMD	FD	SD
Execution command	(Setting data)	@SD

- Output (pattern 2)

CMD	FD	SD	ED
Execution command	(Setting data)	SD data of execution result of script line executed previously	(Result)

(2) Example

- Input

CMD	FD	SD
1000	010101	
L12	@SD	

- Output

CMD	FD	SD	ED
1000	010101	4000	
1200	4000	3	

1293	4000	1	

■ @STN (for CMDYY)

This list command lists the station numbers for the all kinds of stations or the specified kind of station.

CMDYY	DESCRIPTION
@STN	Lists the all kinds of station numbers.
@STN1	Lists the station numbers of Single Line stations.
@STN2	Lists the station numbers of Multiline Terminals.
@STN3	Lists the station numbers of virtual stations.
@STN5	Lists the station numbers of IP Multiline Terminals.
@STN6	Lists the station numbers of PHS/Standard SIP stations.
@STN7	Lists the station numbers of modem stations.
@STN8	Lists the station numbers of terminals.

(1) Method

• Input

CMD	FD	SD
@STNx	(None)	(None)

* For @STNx, specify the one from @STN, @STN1 - @STN3, or @STN5 - @STN8.

• Output

CMD	FD	SD	ED
@STN	X-XXXXXXXX: Station No.	X: Kind No. 1: Single Line Station 2: Multiline Terminal 3: Virtual Station 5: IP Multiline Terminal 6: PHS/Standard SIP Station 7: Modem Station 8: ISDN Terminal	SLT: Single Line Telephone MULTI: Multiline Terminal VIRTUAL: Virtual Station PHS/SIP: PHS/ Standard SIP Station MODEM: Modem Station ISDN: ISDN Terminal

* The error information displayed on the ED field is as follows.

DISPLAY CONTENTS	MEANING
TIMEOUT	Time out
USER CANCEL	User cancel
PORT TROUBLES	Line disconnection
LACKINPUT	Input data error
INVALID ERROR	Other error
(PBX error message)	

(2) Example

- Input (for @STN)

CMD	FD	SD
@STN		

- Output (for normal end)

CMD	FD	SD	ED
@STN	1000	1	SLT
@STN	1100	2	MULTI
@STN	1101	2	MULTI
@STN	900	3	VIRTUAL
@STN	901	3	VIRTUAL
@STN	2000	5	IP MULTI
@STN	2001	5	IP MULTI
@STN	2002	5	IP MULTI
@STN	3000	6	PHS/SIP
@STN	3001	6	PHS/SIP
@STN	3002	6	PHS/SIP
@STN	3003	6	PHS/SIP
@STN	499	7	MODEM
@STN	5000	8	ISDN

- Output (when no station is assigned)

CMD	FD	SD	ED
@STN			NONE

- Output (for user cancel)

CMD	FD	SD	ED
@STN			USER CANCEL

- Input (for @STN6)

CMD	FD	SD
@STN6		

- Output (for normal end)

CMD	FD	SD	ED
@STN	3000	6	PHS/SIP
@STN	3001	6	PHS/SIP
@STN	3002	6	PHS/SIP
@STN	3003	6	PHS/SIP

- Output (when no station is assigned)

CMD	FD	SD	ED
@STN			NONE

- Output (for user cancel)

CMD	FD	SD	ED
@STN			USER CANCEL

■ @STN (for FD)

This list command lists the station numbers for the all kinds of stations, or the specified kind of station, and executes CMDYY for the listed station numbers as FD.

CMDYY	DESCRIPTION
@STN	Lists the all kinds of station numbers.
@STN1	Lists the station numbers of Single Line stations.
@STN2	Lists the station numbers of Multiline Terminals.
@STN3	Lists the station numbers of virtual stations.
@STN5	Lists the station numbers of IP Multiline Terminals.
@STN6	Lists the station numbers of PHS/Standard SIP stations.
@STN7	Lists the station numbers of modem stations.
@STN8	Lists the station numbers of terminals.

(1) Method

- Input (for @STN)

CMD	FD	SD
Execution command	@STN	(Data)/(None)

- Input (for @STN1)

CMD	FD	SD
Execution command	@STN1	(Data)/(None)

- Output

CMD	FD	SD	ED
Execution command	X-XXXXXXXX: Station No.	Data assigned by CMDYY, FD	(The message for execution command)

* The error information displayed on the ED field is as follows.

DISPLAY CONTENTS	MEANING
TIMEOUT	Time out
USER CANCEL	User cancel
PORT TROUBLES	Line disconnection
LACKINPUT	Input data error
INVALID ERROR	Other error
(PBX error message)	

(2) Example

- Input (when reading the Y numbers of CM12 for all the station numbers)

CMD	FD	SD
L12	@STN	

- Output (for normal end)

CMD	FD	SD	ED
1200	1000	3	
1201	1000	11	
1202	1000	1515	
...			
1200	1001	3	
1201	1001	11	
1202	1001	1515	
...			
1290	3000		NONE
1296	3000		NONE

- Output (when no station is assigned)

CMD	FD	SD	ED
L12	@STN		NONE

- Output (for user cancel)

CMD	FD	SD	ED
1200	1000	3	
1201	1000	11	
1202	1000		USER CANCEL

- Input (for only when the Single Line station is targeted)

CMD	FD	SD
1204	@STN1	00

- Output (for normal end)

CMD	FD	SD	ED
1204	1000	00	OK
1204	1001	00	OK
1204	1002	00	OK
...			
1204	1010	00	OK

- Output (when no station is assigned)

CMD	FD	SD	ED
1204	@STN1		NONE

- Output (for user cancel)

CMD	FD	SD	ED
1204	1000	00	OK
1204	1001	00	OK
1204	1002	00	USER CANCEL

■ LSTN

This list command read the number of registration for each station kind.

- (1) Method

- Input

CMD	FD	SD
LSTN	(None)	(None)

- Output

CMD	FD	SD	ED
LSTN	Kind No. and Name STN : All kinds STN1: Single Line Station STN2: Multiline Terminal STN3: Virtual Sta- tion STN5: IP Multiline Terminal STN6: PHS/Stan- dard SIP Station STN7: Modem Station STN8: ISDN Terminal	X-XXXX: The number of regis- tration	SLT: Single Line Telephone MULTI: Multiline Terminal VIRTUAL: Virtual Station PHS/SIP: PHS/Stan- dard SIP Station MODEM: Modem Station ISDN: ISDN Terminal

* The error information displayed on the ED field is as follows.

DISPLAY CONTENTS	MEANING
TIMEOUT	Time out
USER CANCEL	User cancel
PORT TROUBLES	Line disconnection
LACKINPUT	Input data error
INVALID ERROR	Other error
(PBX error message)	

(2) Example

- Input

CMD	FD	SD
LSTN		

- Output (for normal end)

CMD	FD	SD	ED
LSTN	STN	13	ALL
LSTN	STN1	1	SLT
LSTN	STN2	2	MULTI
LSTN	STN3	2	VIRTUAL
LSTN	STN5	3	IP MULTI
LSTN	STN6	4	PHS/SIP
LSTN	STN7	1	MODEM
LSTN	STN8	1	ISDN

- Output (when no station is assigned)

CMD	FD	SD	ED
LSTN			NONE

- Output (for user cancel)

CMD	FD	SD	ED
LSTN			USER CANCEL

■ MS

This list command changes (increases) the FD of the command executed at the last minute.

(1) Method

- Input

CMD	FD	SD
MS	(The number to be added to the FD and the type of number system of the FD)	(The number of repeated times)

*1 The FD field can be omitted (if the FD is field is omitted, “1” is added to the FD in decimal number system).

*2 The SD field can be omitted (if the FD is field is omitted, the number of repeated time is “1”).

- Output

CMD	FD	SD	ED
(Command to be executed)	(FD to be executed)	(Setting data)	

(2) Example

- Input

CMD	FD	SD
1000	010101	
MS	1,10	5

- Output (OK)

CMD	FD	SD	ED
1000	010101	3000	
1000	010102	3001	
1000	010103	3002	
1000	010104	3003	
1000	010105		NONE
1000	010106		NONE

■ MSYY

This list command changes (increases) the YY of the command executed at the last minutes.

- (1) Method

- Input

CMD	FD	SD
MSYY	(The type of number system of the YY)	(The number of repeated times)

*1 The FD field can be omitted (if the FD is field is omitted, the type of number system of the YY will be decimal number system).

*2 The SD field can be omitted (if the FD is field is omitted, the number of repeated time is “1”).

- Output

CMD	FD	SD	ED
(Command to be executed)	(FD to be executed)	(Setting data)	

- (2) Example

- Input

CMD	FD	SD
1200	3000	
MSYY	10	5

- Output (OK)

CMD	FD	SD	ED
1200	010101	3	
1201	010102	11	
1202	010103	1515	
1203	010104	15	
1204	010105	06	
1205	010106	1	

PCPro Maintenance Interface

PCPro Maintenance Interface (referred to as PMI) is the Interface to access to SV9300 via other applications such as the Windows Task Scheduler.

By executing PMI using the Windows Task Scheduler, data settings by specified time and regular maintenance to SV9300 are available.

This appendix explains the PMI features and how to use PMI.

- PMI Features
- Using PMI

PMI Features

PMI provides the following features.

- Connection/disconnection of SV9300
- Run a script
(By using list commands and a sample file, you can utilize features such as time correction of SV9300, fault information read and system data save.)
- Output of execution results

Necessary items for running PMI are as follows.

- <Installation folder for PCPro>\PMI.exe (PMI's running file supplied with PCPro)
- pmi file

Tips: *Using a Sample of pmi File*

- *Sample File:*

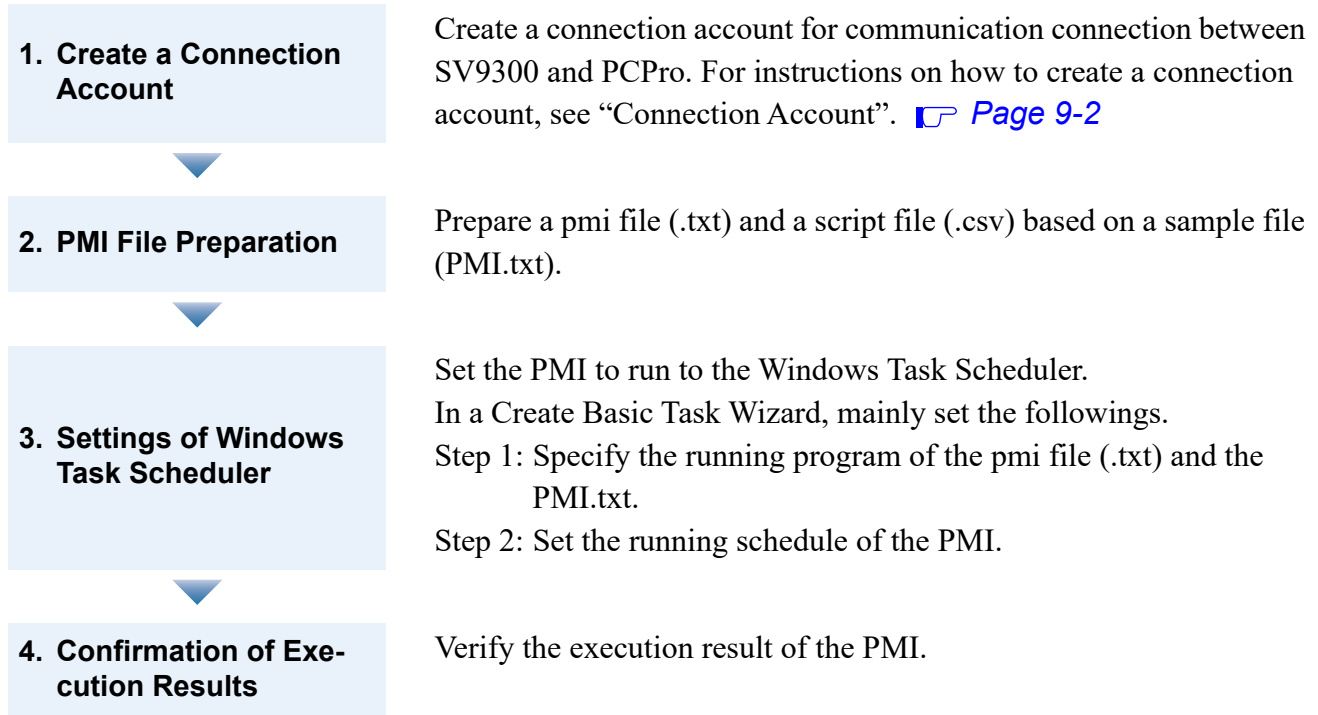
The file for running PMI which is pre-installed in <Install folder>\sample\pmi. The following files are included.

File Types	File Names	Description
pmi file (.txt)	PMI.txt	These are the comma-delimited text files in which the operations to be run by PMI is described. * Usually, use the PMI.txt which is described to read all the script files included in a pmi folder.
	PMI_faultdisplay.txt (for fault information read)	
	PMI_llen.txt (for accommodation location information read)	
	PMI_save.txt (for system data save)	
	PMI_time.txt (for time correction)	
Script file (.csv)	sample_faultdisplay.csv (for fault information read)	These are the script files to be specified by the pmi file. * These script files are already specified in the PMI.txt. Therefore, the PMI.txt can be used as it stands.
	sample_llen.csv (for accommodation location information read)	
	sample_save.csv (for system data save)	
	sample_time.csv (for time correction)	

- NOTE 1:** *Run the PMI by a user who has an Administrator Privilege in Windows (run the PMI from the application executed by Administrator Privilege).*
- NOTE 2:** *The connection account of the PBX connected from the PMI must be registered by PCPro in advance. For instructions on how to create a connection account, see “Connection Account”. [📄 Page 9-2](#)*
- NOTE 3:** *For necessary operating environment of PC to use the PMI, see “Operating Environments and Conditions”. [📄 Page 1-4](#)*

Using PMI

To run the PMI, do the following steps. This section explains the steps to run the PMI from the Windows Task Scheduler.



■ PMI File Preparation

The following operation contents are described in the sample file (<Install Folder>\sample\pmi\PMI.txt) pre-installed on PCPro.

<PMI.txt>

```

(1) ——— "CONNECT","IP(LAN, Default)"
(2) ——— "SCRIPT","C:\pmi\sample_faultdisplay.csv"
(3) ——— "SCRIPT","C:\pmi\sample_llen.csv","C:\pmi\LLEN"
(4) ——— "SCRIPT","C:\pmi\sample_time.csv"
(5) ——— "SCRIPT","C:\pmi\sample_save.csv"
(6) ——— "DISCONNECT"
  
```

No.	Functions	Operations to be run
(1)	Connection with SV9300	Connects with the connection account [IP(LAN, Default)].
(2)	Fault information read	Runs the script file (C:\pmi\sample_faultdisplay.csv).
(3)	Accommodation location information read	Runs the script file (C:\pmi\sample_llen.csv) and outputs the execution result (a log file) to “C:\pmi\LLEN”.
(4)	Time correction of SV9300	Runs the script file (C:\pmi\sample_time.csv).
(5)	System Data Save	Runs the script file (C:\pmi\sample_save.csv).
(6)	Disconnection with SV9300	Disconnects the connection with SV9300.

Tips: *Script files*

- You can specify the output destination of the execution result as follows (see the description “(3) Accommodation location information read”).
 - “SCRIPT”, “Folder Name + File Name”, “Result Output Folder (omissible)”
 - *If the folder specification is omitted, the execution result is not output.
- If the output destination of the execution result is specified to the pmi file, “[Script File Name to be run] -result.csv” is output in the specified folder.

In reference to a sample file (PMI.txt), change the connection account and the Hard Disk drive specification and others depending on the environment you use. For the file name of pmi file, save the file with a file extension (.txt).

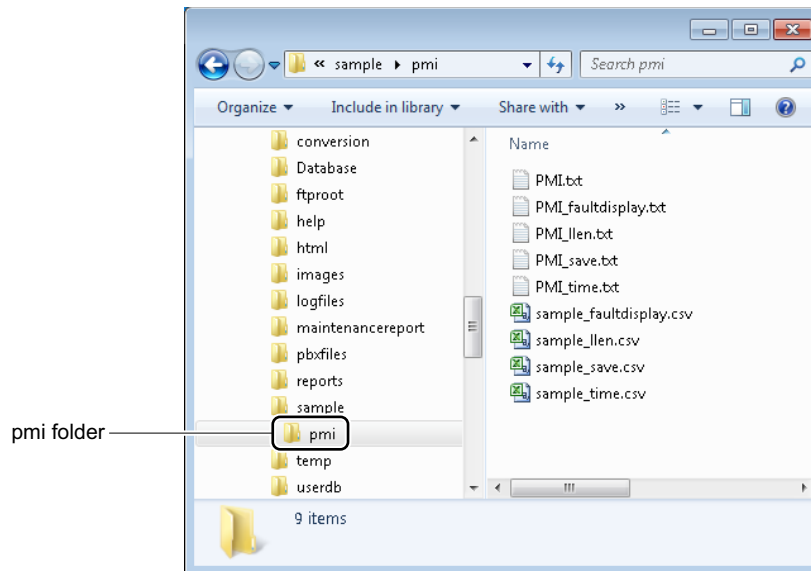
The pmi file has now been prepared.

■ Settings of Windows Task Scheduler

Add the task to run the PMI by the Windows Task Scheduler. Because of this, the operations described in the pmi file can be launched from the Windows Task Scheduler. The following steps describe with a sample file (PMI.txt) as an example.

- When running “C:\pmi\PMI.txt”

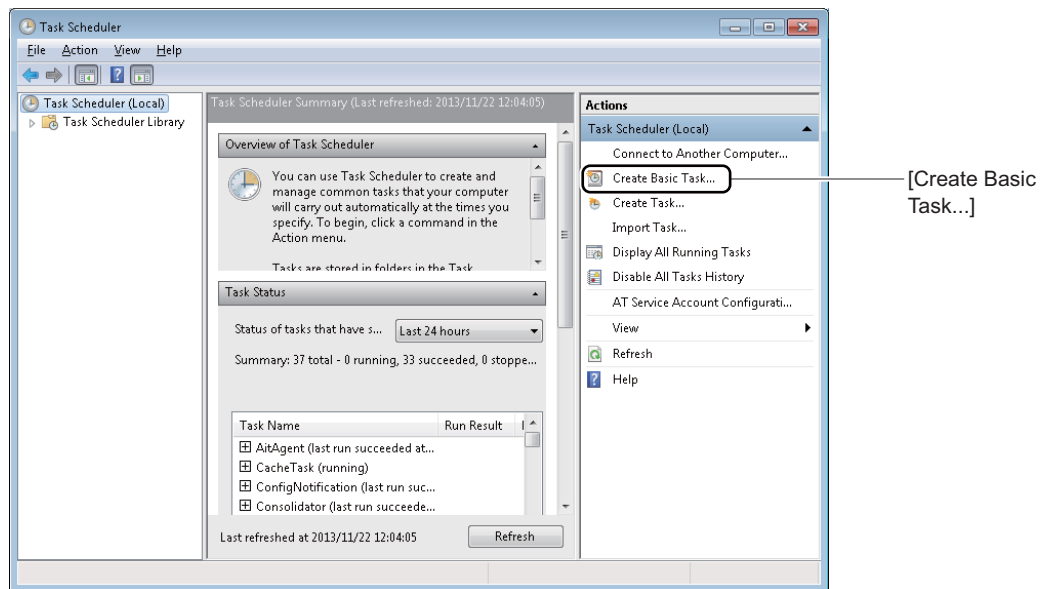
STEP1: Copy the pmi folder (<Install Folder>\sample\pmi) pre-installed on PCPro directory below “C: drive”.



STEP2: Click [Start] > [Windows System] > [Control Panel] > [System and Security] > [Administrative Tool] in this order in Windows OS to display the [Administrative Tool] screen.

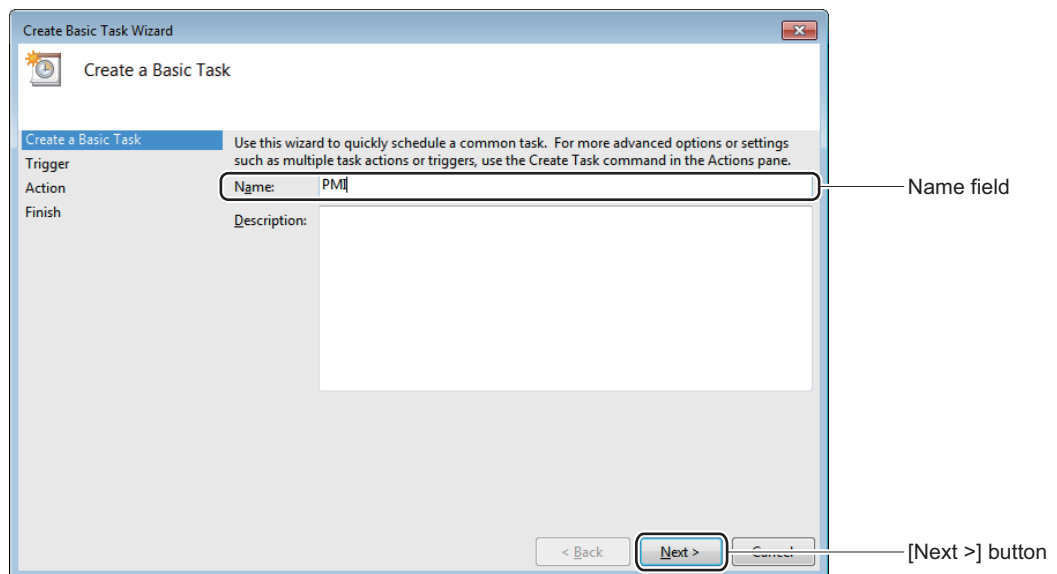
STEP3: Double-click the [Task Scheduler] to display the [Task Scheduler] screen.

STEP4: Click the [Create Basic Task...] on the right side of the screen to open the [Create Basic Task Wizard] screen (Create a Basic Task).



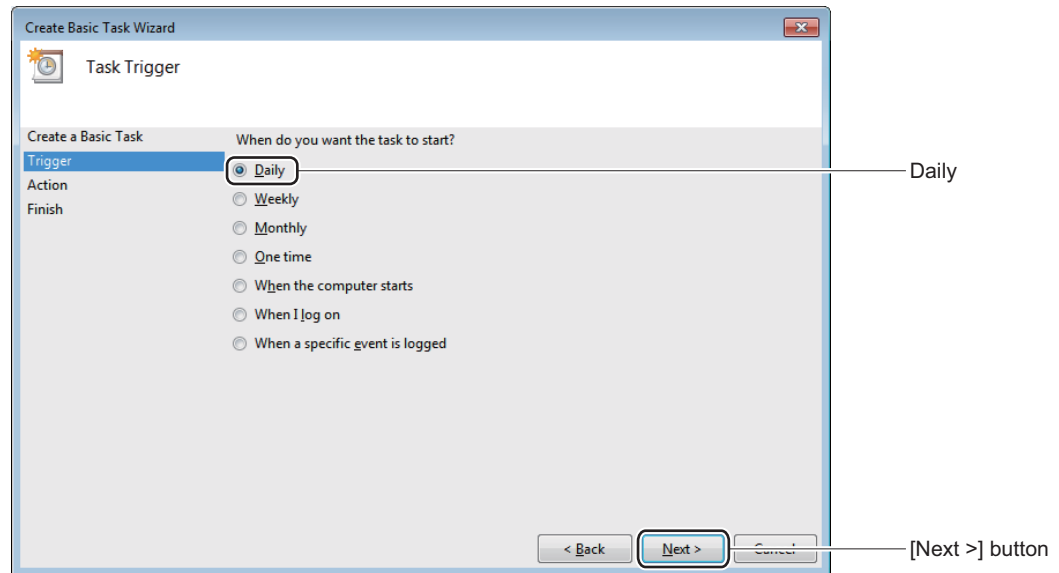
STEP5: Enter a name (“PMI” is used for an example) in the Name field, then click the [Next >] button.

The screen switches to the [Create Basic Task Wizard] screen (Task Trigger).



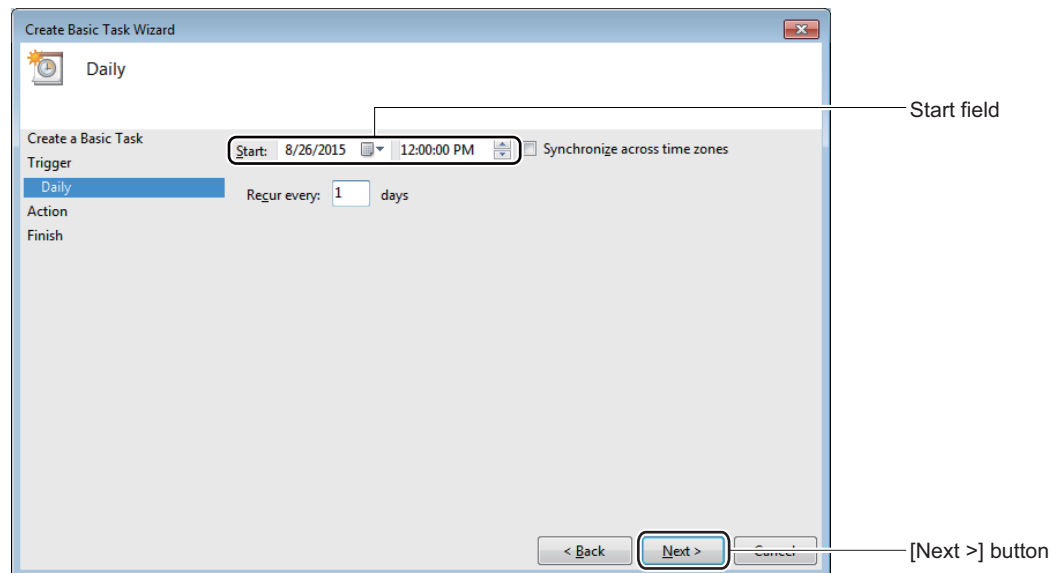
STEP6: Set the Trigger (“Daily” is used for an example) to start the task, then click the [Next >] button.

The screen switches to the [Create Basic Task Wizard] screen (Daily).

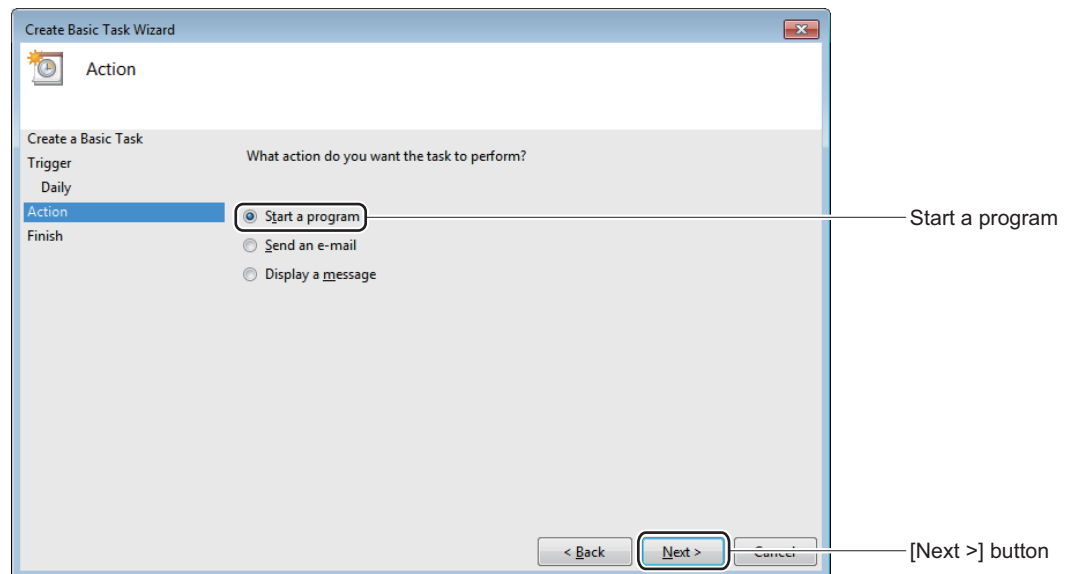


STEP7: Set the start time (“12:00:00 PM” is used for an example) of the task in the Start field, then click the [Next >] button.

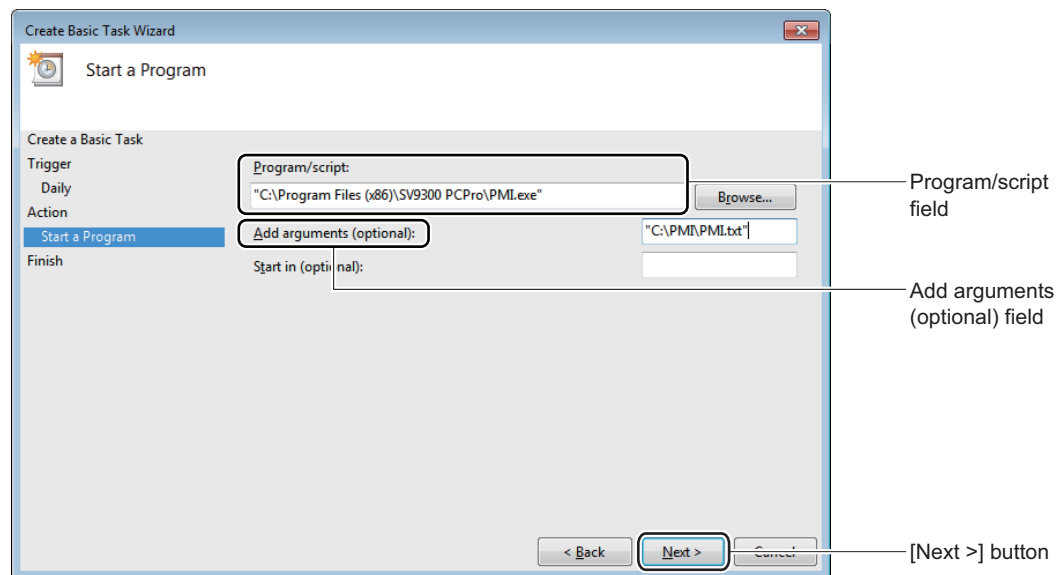
The screen switches to the [Create Basic Task Wizard] screen (Action).



STEP8: Check the “Start a program” check box, then click the [Next >] button.
The screen switches to the [Create Basic Task Wizard] screen (Start a Program).

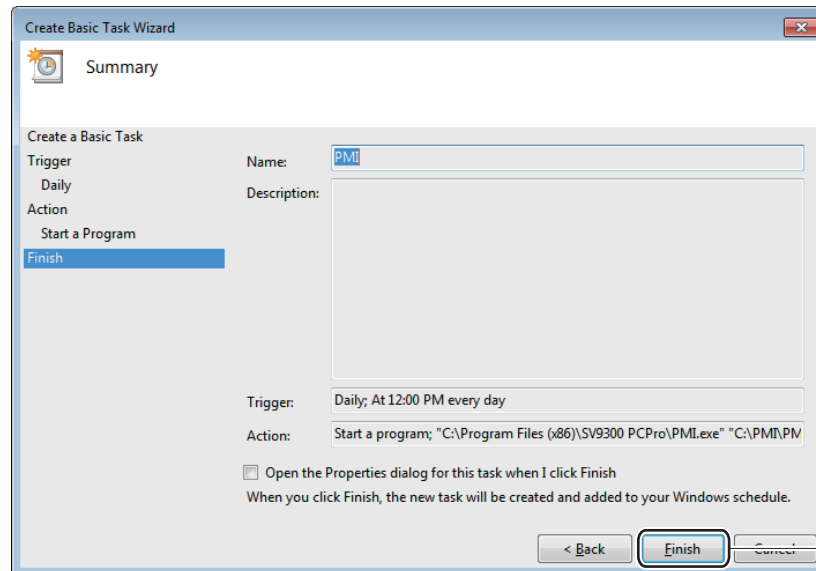


STEP9: Specify the PMI.exe which is in an installation folder for PCPro to the Program/script field and pmi file (full path) to the Add arguments (optional) field, then click the [Next >] button.
The screen switches to the [Create Basic Task Wizard] screen (Summary).

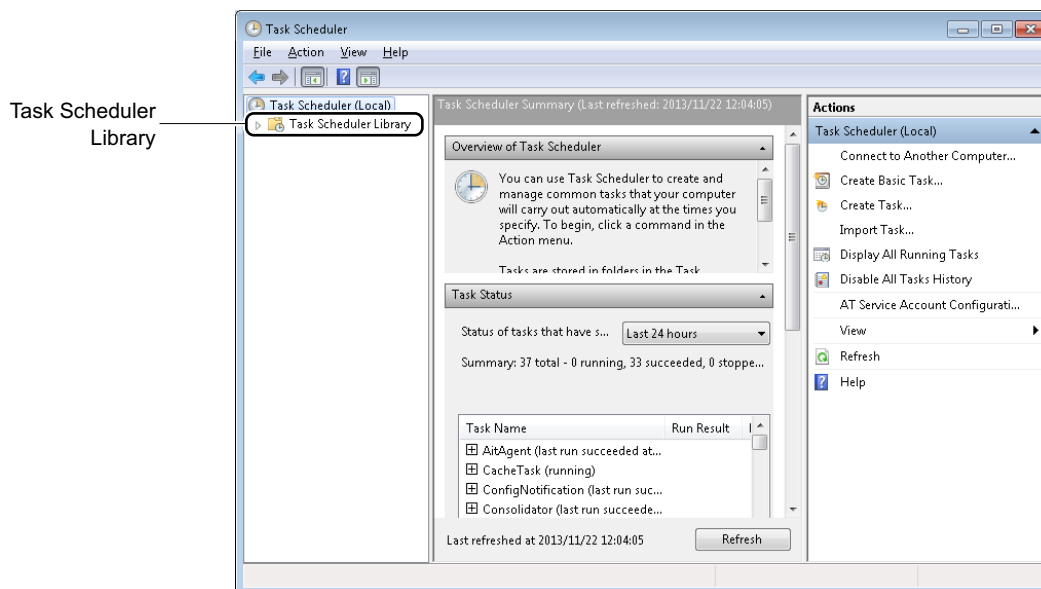


STEP10: Confirm the set contents, then click the [Finish] button.

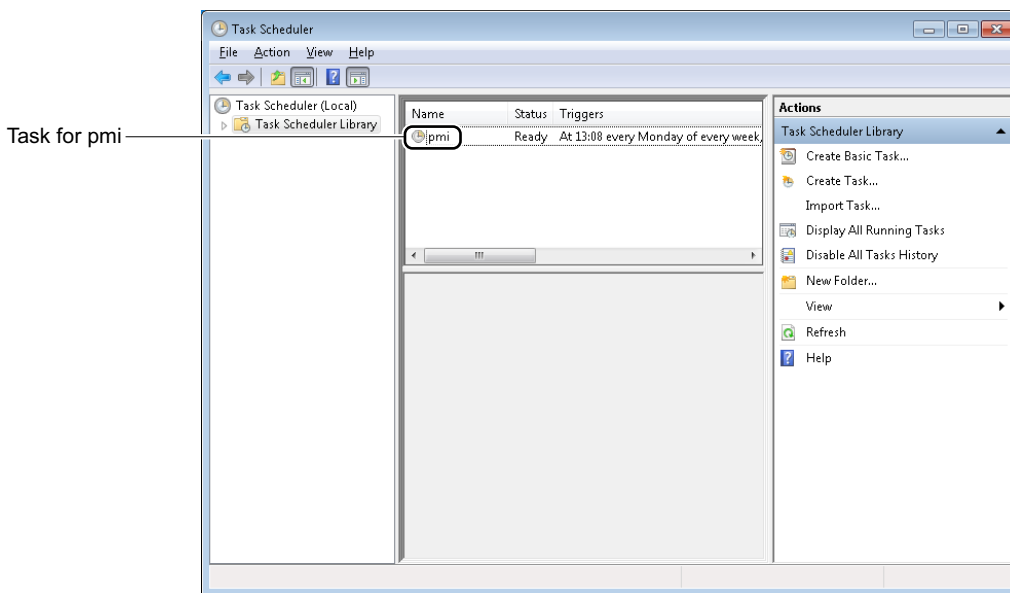
Create Basic Task Wizard will end, the screen switches to the [Windows Task Scheduler] screen.



STEP11: Double click the [Task Scheduler Library] located in the upper left portion of the screen.



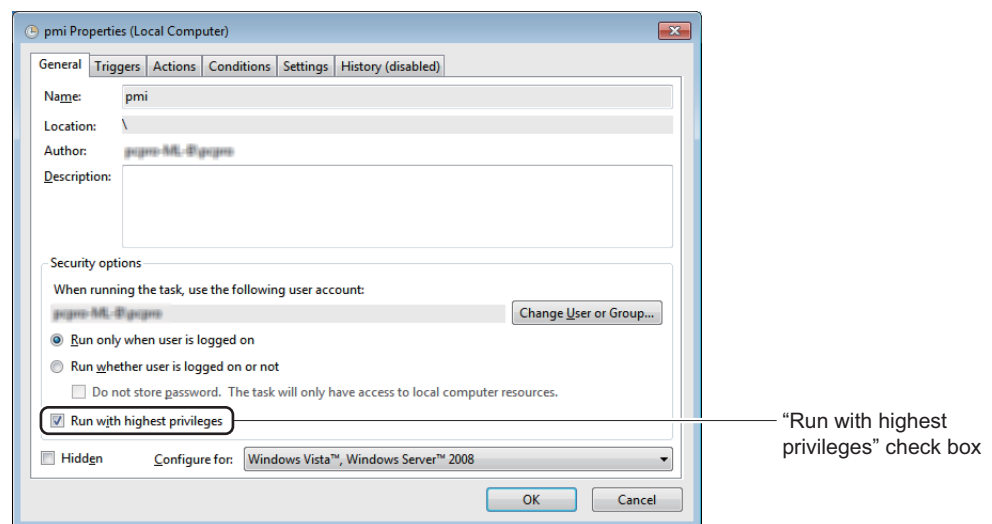
STEP12: Double-click the PMI task created in advance in the middle of the screen to display the [Properties] screen.



STEP13: Click the [General] tab on the [Properties] screen.

The contents displayed on the [Properties] screen switch for the [General] tab.

STEP14: Check the “Run with highest privileges” check box.

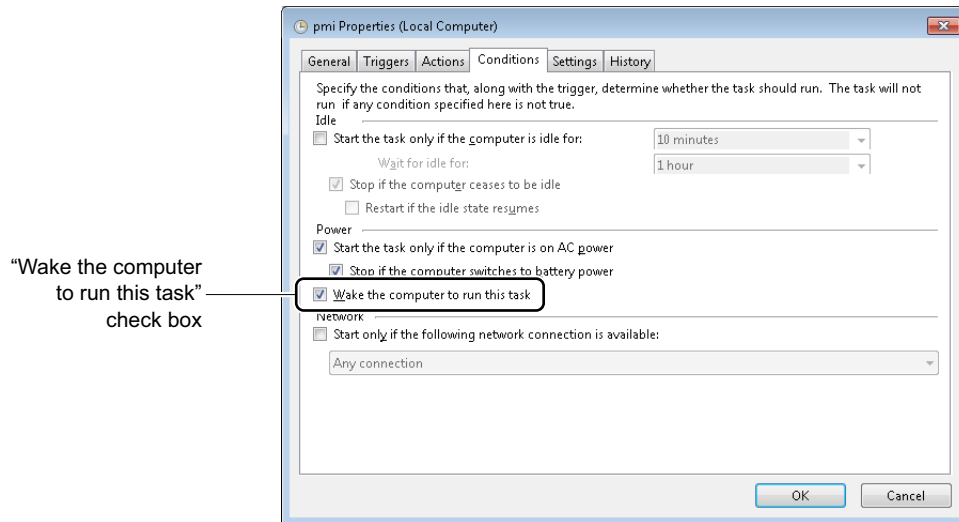


NOTE: When registering two or more tasks using Windows Task Schedulers, set the user account having administrator authority in the “When running the task, use the following account:” field.

STEP15: Click the [Conditions] tab.

The contents displayed on the [Properties] screen switch for the [Conditions] tab.

STEP16: Check the “Wake the computer to run this task” check box.



NOTE: Without this setting, the task set to the Windows Task Scheduler is not run when the PC is in “sleep” (non-standby) mode.

STEP17: Click the [OK] button.

The PMI is run on the time and date set to the Windows Task Scheduler.

The PMI has now been configured.

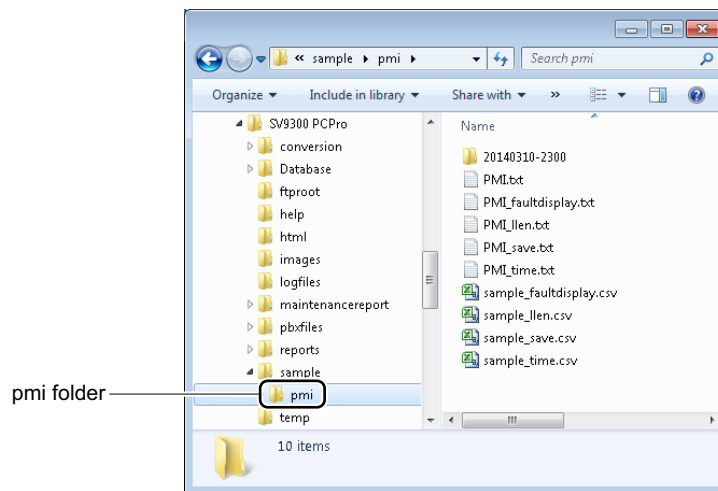
■ Confirmation of Execution Result

After the PMI set to the Windows Task Scheduler is run, the execution result of the pmi file is output to the following folder.

- The execution result of the pmi file
 - pmi\Time and Date folder\“PMI.log”
- The execution result of the specified script files
 - pmi\Time and Date folder\“Script File Name” + “-result.log”

The execution result of the PMI.txt set by “PMI Settings” is output as follows.

- If “C:\pmi\PMI.txt” is run once a week from 10 March 2014, 23:00:00



- (1) The execution result of the pmi file

<The output destination of a log file>

C:\pmi\20140310-230000\PMI.log

<An output example>

```
"2014/03/10 Mon 23:00:05","CONNECT","IP (LAN, Default)","","OK"
"2014/03/10 Mon 23:00:36","SCRIPT","C:\pmi\sample_faultdisplay.csv","","OK"
"2014/03/10 Mon 23:00:48","SCRIPT","C:\pmi\sample_llen.csv"
,"C:\pmi\LLEN\sample_llen-result.csv","OK"
"2014/03/10 Mon 23:03:29","SCRIPT","C:\pmi\sample_time.csv","","OK"
"2014/03/10 Mon 23:03:29","SCRIPT","C:\pmi\sample_save.csv","","OK"
"2014/03/10 Mon 23:14:48","DISCONNECT","","","OK"
```

(2) The execution result of the script files

<The output destination of log files>

C:\pmi\20140219-230000\sample_faultdisplay-result.log

C:\pmi\20140219-230000\sample_llen-result.log

C:\pmi\20140219-230000\sample_time-result.log

C:\pmi\20140219-230000\sample_save-result.log

<An output example of fault information read (sample_faultdisplay-result.log) >

```
// Read fault information (CSV)
"@FAULT";";";"C:\pmi\fault_report.csv";"OK";""
```

[Execution Result]

The fault information was output to the specified file.

C:\pmi\fault_report.csv

C:\pmi\fault_report.html

<An output example of accommodation location information read (sample_llen-result.log) >

```
// List station No./trunk No.
"050","0101","30","";""
"050","0102","30","";""
. . . .
"1000","010101","D000","";""
"1000","010102","D001","";""
"1000","010103","D002","";""
"1000","010104","D003","";""
"1000","010105","D004","";""
. . . .
```

[Execution Result]

The execution result was output to the file specified by the pmi file.

C:\pmi\LLEN\sample_llen-result.csv

<An output example of time correction (sample_time-result.log) >

```
// Set PBX clock (Adjust PBX clock to PC time)
"02","0","2014","OK",""
"02","1","021803","OK",""
"02","2","140829","OK",""
```

<An output example of system data save (sample_save-result.log) >

```
// Save system data
"@SAVE","1,2,4,80,81","C:\pmi\IP(LAN, Default).lyd","OK",""
```

[Execution Result]

The system data is output to the specified file.

D:\pmi\IP(LAN, Default).lyd

The execution result has now been verified.

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Troubleshooting

This appendix lists the probable reasons for failures as they occur and the remedial actions.

- The connection between PCPro and the SV9300 fails
- A PCPro error message is displayed
- An error occurs in the FTP Server
- An error occurs in the HTTP Server
- An error occurs on Terminal Phonebook
- An error occurs authenticating license data

Troubleshooting a Connect Failure

To begin with, check the following items:

Point to Check	Corrective Action
Is the SV9300 active?	If the SV9300 is inactive, turn it on, then back on. For more details, refer to the “System Hardware Manual”.
Is the cable between PCPro and the SV9300 (or modem) connected properly?	If the cable is not connected properly, reconnect it. ☞ Page 2-7
Has a valid connection account been selected?	If a connection account from the connection method has been selected, select the connection account associated with the connection method in the [Connect] screen. ☞ Page 2-16

If a link still cannot be established after all these checks, proceed to checks of connection method.

- IP Connection [☞ Page D-3](#)
- RS-232C Connection (Direct Connection) [☞ Page D-4](#)
- Modem/Terminal Adapter Connection [☞ Page D-4](#)
- Virtual PBX Connection (Office data file) [☞ Page D-5](#)

■ IP Connection

Point to Check	Corrective Action
Is the PCPro LAN blade (NIC) mounted properly?	Check the status of “Local Area Connection” in the Windows [Network Logon] screen. For more details, browse through Windows Help.
Is the LAN cable connected properly?	If the LAN cable is not connected properly, reconnect it.
Is the IP connection correct?	Enter the “Ping” command with the IP address of the SV9300 specified to test the communication status. For more information about the “Ping” command, browse through Windows Help.
Is the destination logon number used by another copy of PCPro or an external device?	Check that the destination port number is available. If it is used by another device, clear the connection between that device and the SV9300 and then retry the connection operation. Page 2-16
Is the destination port number or IP address wrong?	Display the connection account to verify the setting. If the setting is invalid, correct it. Page 9-4
Is any IP address or port number used that is unacceptable for network security reasons?	Contact with the network administrator.
Is the network running successfully?	Reconnect the link after 10 minutes since there is the possibility that a session of ETHERNET/VOIP port is remained by disconnecting of LAN cable and a network failure.
Is the maintenance port or VOIP port allowed to connect the PCPro?	Confirm whether the maintenance port or the VOIP port has been allowed to connect the PCPro by the commend (CM0B Y=0XX/1XX>20: 1) or not.

■ RS-232C Connection (Direct Connection)

Point to Check	Corrective Action
Is the correct type of cable used?	If any type of cable other than the PCPro cable (RS CONSOLE CA-A) is used, replace with the correct type of cable.
Is the cable loosely connected?	A loose cable may result in a failure to establish a link between PCPro and the SV9300. Reconnect the cable tightly.
Is the cable faulty?	If the cable is faulty, replace with new cable.
Is the PC COM port used by another application?	If the PC COM port is used by another application, exit that application before retrying the connection operation. ☞ Page 2-16

■ Modem/Terminal Adapter Connection

Point to Check	Corrective Action
Is the PCPro modem or terminal adapter turned on?	Turn on the modem or terminal adapter.
Is the modem or terminal adapter properly connected to a phone line?	Connect the modem or terminal adapter to a phone line properly. If two modem ports are available, connect the modem or terminal adapter to the LINE terminal.
Is the COM port to which the modem or terminal adapter is connected the same as the COM port in the connection account?	Display the connection account and verify the settings. ☞ Page 9-6
Is the dial-up procedure performed correctly?	Display the connection account and verify the settings. ☞ Page 9-6
Isn't another user accessing the SV9300 modem?	Retry the login after a while.

■ Virtual PBX Connection (Office data file)

Point to Check	Corrective Action
Is there an office data file of Virtual PBX?	connection account and verify the settings. 📄 Page 9-6

Troubleshooting When an Error Message is Displayed

■ Connection Failure

Error Message	Cause	Remedial Action
Cannot connect to the System.	Could not log on to the system.	See “Troubleshooting a Connect Failure”. Page D-2
Unable to Connect PC network connection is unavailable. Check PC network settings and connections.	–	Check PC network settings and connections.
Unable to Connect SV9300 system IP address is unreachable. Check system IP address and PC network settings.	–	Check system IP address and PC network settings.
Unable to Connect System port is closed. STBY Dual CPU must be off-line for MAT connection. Set STBY Dual CPU to off-line and retry.	–	Set STBY Dual CPU to off-line and retry.
Unable to Connect SV9300 has too many MAT connections. Only 2 simultaneous connections are allowed. Disconnect one of the current connections and try again.	–	Disconnect one of the current connections and try again.
This system isn't allowed to connect it.	An attempt was connect to SV8300.	Use the SV8300 PCPro, If you Install or maintenance the SV8300 system.

■ Common Error Messages

Error Message	Cause	Remedial Action
This application cannot be started normally. Do it again.	Although two or more PCPro can be lunched simultaneously, each PCPro cannot be lunched between different users (logged in users on Windows) The user who is different from a logged in user has already lunched the PCPro.	Verify the user who has lunched the PCPro by the Windows Task Manager. Take either of the following actions as appropriate: 1.Change the user to log in to the Windows (log off from the Windows once, then log in by a user who has already lunched the PCPro). 2.Exit the PCPro which has been lunched on the PC by the different user.
No response from the System. Confirm the conditions of connection.	–	Check the status of communication with the system.
Errors of communication with the System occurred. Confirm the conditions of connection.	–	Check the status of communication with the system.
Connect to System.	There was no connection with the system when an attempt was made to read or write to and from the system.	Check the connection with the system.
Cannot start up because that the file could not be found or was broken. Reinstall the PCPro.	–	Reinstall SV9300 PCPro.
The file could not be found.	–	Specify a valid folder or browse a valid file.

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Error Message	Cause	Remedial Action
Failed to update the file.	–	Check to see if the file is not read-only or if it is not used by another application.
The file cannot be opened.	–	Check to see if the specified file is not broken or if it is not wrong file.
Could not create the file.	–	Check the size of available disk drive space and folder attributes then retry.
The file cannot be deleted.	–	Check to see if the file is not read-only or if it is not used by another application.
Some data is invalid.	Some of the input data is invalid.	Check the range, value, etc. and then enter the data.
This file cannot be opened because another application is using it.	–	Check to see if it is not used by another application.
Some trunk number is same.	–	There is an entry of the same trunk No. Take either of the following actions as appropriate: 1.Modify the trunk No. 2.Delete the data once and then register it again.
Failed to copy the system data to the remote units.	Failed to copy the system data to the remote units for some reason.	Retry.

■ Menu

Error Message	Cause	Remedial Action
Failed to backup the system data.	System data backup failed.	Retry.
Cannot add more Connection Account.	An attempt was made to add logon accounts past the maximum number of accounts that can be registered.	Delete unnecessary logon accounts and then add additional accounts.
Cannot remove a default account.	An attempt was made to delete the initial account.	The following initial accounts cannot be deleted: <ul style="list-style-type: none"> • IP (LAN, Default) • IP (VoIP, Default) • RS-232C (9600 bps)
Cannot remove a Connection Account that is currently connected.	An attempt was made to delete the account that has logged currently on to the system.	To delete the account in use, log off from the system once and then delete the account.
Cannot change a Connection Account that is currently connected.	An attempt was made to change the account that has logged currently on to the system.	To change the account in use, log off from the system once and then change the account.
The password you typed does not match. Input the same password.	The input password did not match.	Enter the same password.
The password setting condition is not met.	The input password has an invalid length, or includes invalid characters.	Enter the password that meets the setting conditions.
The system password is wrong. Only reading the system data is possible.	The input password did not match with the registered password on password service in the system.	If you want to change the system data of the system, disconnect with the system once and then enter the correct password when reconnecting with the system.
The system is in the password service. Only reading the system data is possible.	Even though the system is during password service, there was no password entry.	

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Error Message	Cause	Remedial Action
Failed to copy the system data to remote units.	There is possibility that the system is during access to the flash ROM by the other process.	Wait for a while and retry.
Select a System Data file.	No System data file is selected.	Select the system data file.
"Area number 1: All system data (except Speed Dialing)" isn't included in a chosen bureau data file. Please choose a file again.	"Area number 1: All system data (except Speed Dialing)" isn't included in a chosen bureau data file.	Select the bureau data file included "Area number 1: All system data (except Speed Dialing)".

■ FTP Server Functions

Error Message	Cause	Remedial Action
FTP Server cannot be started because a specified port is used by other services.	The specified port is in use by other services (the port cannot be used for two or more services).	The specified port is in use. Take either of the following actions as appropriate: 1. Stop the service which is using the specified port). 2. Change the port number to be used.
Cannot add more Connection Account.	The number of uses has reached the maximum limit.	Delete existing users and then add additional users.

■ HTTP Server Functions

Error Message	Cause	Remedial Action
URL/ IP address is wrong. Please confirm the setting data.	Incorrect data has been specified to the URL/IP address.	Set the URL/IP address or a domain name of your PC/server.
Control connection port is wrong. Please confirm the setting data.	Incorrect data has been specified to the Control connection port.	Set the port number within the usable range of HTTPS protocol.
Root folder is wrong. Please confirm the setting data.	Incorrect data has been specified to the Root folder.	Set the root folder of the HTTP server with write permission.

■ System Data Conversion Tool

Error Message	Cause	Remedial Action
Invalid file format selected. The area number select a file of 'All System Data' (Number of '1, 2, 3, 4, 80, 81'), please.	The system data file that Area Number is other than '1, 2, 3, 4, 80, 81' was selected.	Select a file of 'All System Data' (Number of '1, 2, 3, 4, 80, 81').
Converting the system data. Please abort the process before closing this function.	The [Close] button was clicked during converting the system data.	Click the [Abort] button first to abort the process, then close the screen.

Continued on next page

Error Message	Cause	Remedial Action
Failed to update the file. The file name is xx. please confirm whether it isn't being used by other application whether it doesn't become for exclusive use.	There is no authority to open the file.	Verify that the file is in read-only format or used by other applications and then retry.
The file could not be found. The file name is xx. Reinstall the PCPro Office Data Conversion Tool.	The file required for the system could not be found.	Reinstall the System Data Conversion Tool in your PC.
The file or folder cannot be deleted. The file or folder name is xx. Please confirm whether it isn't being used by other application whether it doesn't become for exclusive use.	The file or folder cannot be deleted.	Verify that the file is in read-only format or used by other applications and then retry.
Failed to read the file. The file name is xx. Reinstall the PCPro Office Data Conversion Tool.	The contents of the file are invalid.	Reinstall the System Data Conversion Tool in your PC.

■ Quick Setup

Error Message	Cause	Remedial Action
Failed to clear all the system data/SRAM. Confirm the SENSE SW of CPU blade, and do it again.	System data/SRAM all clear failed.	Check that the [SENSE] switch on the CPU blade is set to E and then retry.
Failed to back up the system data.	Backup of system data saved on the SV9300 failed.	Retry the system data backup. 📄 Page 2-20
Failed to back up the system data. Please try again later.	Backup of system data/SRAM failed following its all clear.	Wait for a while before retrying the system data backup.

■ Software License Authentication

Error Message	Cause	Remedial Action
Activation Code couldn't be set.	The Activation Code could not be registered on the SV9300.	Check with the Software License Authentication Center to see if the Activation Code is valid and then retry.
PBX Generator File couldn't be prepared.	A PBX creation file could not be created after license data had been registered on the Main Unit.	Check the size of available hard disk drive space on the PC and check to see if the folder properties are not configured to disable writing.
Failed to back up the system data. Please try again later.	An Activation Code was registered on the SV9300 but office data backup failed.	Wait for a while and retry the office data backup.
Checksum error occurred.	A wrong file has been specified.	Select the right license data file.
File Format is wrong.	A wrong file has been specified.	Select the right license data file.
License data couldn't be registered.	License data could not be registered on the SV9300.	Retry.
License data couldn't be deleted.	Deletion of license data registered on the SV9300 was attempted but failed.	Retry
The Hardware Key Code of the system is different from the License files. Continue to load license data?	You have specified the license file in a different system.	Return to the [Select of License Data File] screen and use the license file which corresponds to the Hardware Key Code of the system.
Failed to License registration. Please try again later.	The Activation Code could not be registered (the flash memory was in use).	Wait for a while and then click the [Registration] button again.

■ Program Upgrade (On-line)

Error Message	Cause	Remedial Action
The folder cannot be opened.	–	Check to see if the folder actually exists.
Failed to copy the system data to the remote units.	System data could not be copied from unit01 to another unit (flash memory busy).	Allow for a while before clicking the [Apply] button once again.
There is no operation unit.	No operating unit information was available when it was read from the scheduling window.	Check the system data.
Input information of FTP Server.	An attempt was made to set the update date and time when no FTP server information had been entered.	Enter FTP server information.
Change over Date/Time should be established later than Upgrade Date/Time.	A switching date and time earlier than the update date and time were appointed.	The program is updated on switching after the update process. Appoint a switching date and time later than the update date and time.
Input information of a unit 01 first.	No information about unit01 was available at batch setup.	Batch setup executes based on the information about unit01. Enter main unit information.

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Error Message	Cause	Remedial Action
<p>The following units have contradiction in the system data of the 'FTP Server Information'.</p> <p>Unit No.: xx, xx, ...</p> <p>Click the 'Apply' button when you use the FTP Server of PCPro. or confirm the contents of 'FTP Server Information' when you use the FTP Server except for the PCPro's.</p>	<p>The [Read] button was clicked during the following states.</p> <ul style="list-style-type: none"> • "Use the FTP Server of PCPro" check box has been checked. • A directory name has been specified by CM0C Y=11>xx04. 	<p>Take either of the following actions as appropriate:</p> <ol style="list-style-type: none"> 1. Check the "Use the FTP Server of PCPro" check box on the detailed setup screen of FTP server Information. The click the [OK] button. 2. Click the [Apply] button. <p>* Click the [Read] button again and confirm that the error message is not displayed.</p>
<p>Please wait for a while and click the 'Read' button again.</p> <p>The following unit(s) is detected which is not operating normally or starting up. (Unit XX)</p>	<p>—</p>	<p>Wait the completion of Program Upgrade (On-line), or try again after canceling the operation.</p>

■ Program Upgrade (Off-line)

Error Message	Cause	Remedial Action
<p>Program files are wrong. Click the [Next >>] button after confirming some files to upgrade.</p>	<p>The program file to be upgraded is wrong.</p>	<ol style="list-style-type: none"> 1. Check that all required files are available in the specified folder. 2. Check that the specified folder contains nothing but unnecessary files.
<p>Couldn't confirm the IP Address because that LAN cable is unplugged or Network Connection is in an invalid state.</p>	<p>The LAN cable was out of position or the network connection was invalid when the plug-in launched.</p>	<p>Connect the PC LAN cable and check the status of network connectivity.</p>

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Error Message	Cause	Remedial Action
Failed to change the IP Address. Please change IP Address to 192.168.1.250 manually.	–	Change the IP address manually.
LAN cable is unplugged or Network Connection is in an invalid state.	The LAN cable was out of position or the network connection was invalid when the [Next >>] button was clicked in the [Program Upgrade] screen.	Connect the PC LAN cable and check the status of network connectivity.
PC's IP Address hasn't been set for 192.168.1.250. Confirm the setting.	The PC did not have a specified IP address when the [Next >>] button was clicked in the [Program Upgrade] screen.	Set 192.168.1.250 as an IP address.
A file transfer error occurred. Do it again from the beginning.	An error occurred transferring a file.	Retry from the beginning.
FTP server has a problem. Confirm the following items, and do it again from the beginning. <ul style="list-style-type: none"> • If another FTP Server is active on the PC, stop it. • Confirm selecting the Menu item [Tools] > [Configuration] > [FTP Server]. 	The FTP server is at fault.	Shut down the FTP server once and the retry.
Couldn't return the IP Address to default because the LAN cable is unplugged or Network Connection is in an invalid state.	–	Connect the PC LAN cable and check the status of network connectivity.
Couldn't return the IP Address to previous settings.	–	Restore the IP address manually. The original IP address is stored the following file. <INSTALL folder>\UserDB\ Program Upgradeoffline-IP Address.txt

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Error Message	Cause	Remedial Action
Program Upgrading. Please abort the process before closing this function.	Program Upgrading. Please abort the process before closing this function.	Wait the completion of the program upgrade, or cancel it then retry.

■ Firmware Upgrade (Line/Trunk Blade)

Error Message	Cause	Remedial Action
There are some blades which failed to update firmware.	Failed to update firmware.	Confirm the following settings and then retry. <ul style="list-style-type: none"> • The trunk blade No. is assigned to the blade that the Firmware Upgrade is failed. • The connection to the system is not disconnected.
Please select blades to be updated.	The [Apply] button was clicked without selecting the blades to be updated the firmware.	Select the blades to be updated the firmware, then click the [Apply] button.

■ Script

Error Message	Cause	Remedial Action
Invalid file format selected. Confirm the contents of the script file (.csv).	The specified script file (.csv) has invalid content.	Create a script file (.csv) in a valid format and retry.
Invalid file format selected. Confirm the contents of the Scenario file (.list).	The specified Scenario file (.list) has invalid content.	Create the Scenario file (.list) in a valid format, then retry.
<p>PCPro can save the script only to the maximum lines because there is too many lines.</p> <p>The maximum number of lines depends on the file type.</p> <ul style="list-style-type: none"> - Scripts File: 100,000 lines - Microsoft Excel Worksheet (xlsx): 100,000 lines 	The Script is over the maximum lines.	<p>The Script can only save up to the maximum number of lines (The maximum number of lines depends on the file type).</p> <p>Click the [Yes] button if you want to save up to a maximum number of lines. In this case, line part that exceeds the maximum number of lines will not be saved.</p> <p>Click the [No] button if you want to review the contents of the script without saving.</p>

■ Station Copy/Key Copy

Error Message	Cause	Remedial Action
Select at least one item of system data to be copied.	No system data is selected.	Select the system data check box from which you want to copy.
The following system data cannot be copied in the terminal kind of the specified station. Verify terminal type.	There are unavailable system data depending on the terminal type of the station.	Uncheck the check box of the system data to which the message is displayed.
The specified station cannot be copied.	The terminal kind of the specified station cannot be copied.	Enter an another station number.
Failed to copy some data.	—	Check the destination system data
Failed to move.	—	Verify the details of error and eliminate the cause of error, then retry.
Failed to move. Please refer to the log file.	—	Check the log file, then change the system data of the destination station. Log file name: <installation folder for PCPro>\logfiles\ MoveStation_StationNumber.csv
User has canceled the process. Move function cannot proceed. Please refer to the log file.	—	Check the log file, then change the system data of the destination station. Log file name: <installation folder for PCPro>\logfiles\ MoveStation_StationNumber.csv
Failed to swap. Please refer to the log file.	—	Check the log file, then change the system data of the station. Log file name: <installation folder for PCPro>\logfiles\ MoveStation_StationNumber.csv

Continued on next page

Error Message	Cause	Remedial Action
User has canceled the process. Swap function cannot proceed. Please refer to the log file.	–	Check the log file, then change the system data of the station. Log file name: <installation folder for PCPro>\logfiles\ MoveStation_StationNumber.csv
Name Display (Simplified Chinese) and Name Display (Traditional Chinese) cannot be set at the same time.	–	Enter any one of Name Display (Simplified Chinese) or Name Display (Traditional Chinese) for one station.

■ Speed Dialing

Error Message	Cause	Remedial Action
Specify the 'Number of 10-Slot Memory Blocks'.	10-Slot Memory Block number is not specified on the [Memory Allocation] screen.	Specify the 10-Slot Memory Block number.
Some stations will not be allocated memory because of memory area shortage. (Memory area is shortage for xx in xx stations which you specified.)	There is not enough memory area to allocate memory for Memory Allocation.	Delete the unnecessary memory, or change the memory area allocation for the station.
Select the only stations which are not allocated any memory area.	You are selecting a station of the allocated memory area when clicking the [Range Setting] button.	Release the selection of the allocated station.
The Station No. xx is not registered or is not available for One-Touch Dialing.	You are entering a station number which is not registered on the [Memory Area Settings] screen, or entering a station number other than Multiline Terminal for the One-Touch dialing registration.	Enter the registered station number. For the One-Touch Dialing registration, enter the station number for Multiline Terminal.

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Error Message	Cause	Remedial Action
The Station No. xx has already allocated memory area for xx.	You are entering a station number that the memory area is already allocated on the [Memory Area Settings] screen.	Enter the station number of the un-allocated memory area.

■ Call Pickup Group/UCD Group/Station Hunting Group

Error Message	Cause	Remedial Action
Group must contain at least two stations.	–	Register at least two stations.
Station xx has already been registered to another group.	An attempt was made to register the station to an another group that belongs to the other group.	Delete the station number once from the group that belongs and register it to the new group.
The system data for the group is incorrect (Chain of group is incorrect). Register the group again after deleting the group.	Although the station that belongs in the group has been read, the system data for the group is incorrect (such as Chain of group is incorrect).	Register the group again after deleting the group.
The system data for the group is incorrect (The number of stations is over 60). Register the group again after deleting the group.	Although the station that belongs in the group has been read, the system data for the group is incorrect (The number of station is over 60).	Register the group again after deleting the group.
The pilot station is not changed.	An attempt has been made to change the pilot station of the UCD Group. An attempt has been made to change the pilot station of a Station Hunting-Terminal group.	The following pilot stations cannot be changed: <ul style="list-style-type: none"> • Pilot station of a UCD Group • Pilot station of a Station Hunting-Terminal group Register the group again once after deleting the group.

Continued on next page

Error Message	Cause	Remedial Action
<p>The system data for the group is incorrect (No pilot station). Register the group again after deleting the group.</p>	<p>Although the station that belongs in the group has been read, the system data for the group is incorrect (No pilot station).</p>	<p>Register the group again after deleting the group. Or confirm the setting of CM17 Y=1 with Command Mode and set CM17 Y=1 again so that the Pilot station is only one. * Readout the data again and confirm that the error message is not displayed.</p>
<p>The system data for the group is incorrect (More than one pilot station). Register the group again after deleting the group.</p>	<p>Although the station that belongs in the group has been read, the system data for the group is incorrect (More than one pilot station).</p>	<p>Register the group again after deleting the group. Or confirm the setting of CM17 Y=1 with Command Mode and set CM17 Y=1 again so that the Pilot station is only one. * Readout the data again and confirm that the error message is not displayed.</p>
<p>The system data for the group is incorrect (No group number is assigned). Register the group again after deleting the group.</p>	<p>Although the station that belongs in the group has been read, the system data for the group is incorrect (No group number is assigned).</p>	<p>Register the group again after deleting the group.</p>
<p>The system data for the group is incorrect (More than one group number are assigned). Register the group again after deleting the group.</p>	<p>Although the station that belongs in the group has been read, the system data for the group is incorrect (More than one group number are assigned).</p>	<p>Register the group again after deleting the group.</p>

■ User Web Portal Management

Error Message	Cause	Remedial Action
Set at least either port available for the Web Server.	An attempt was made to start or restart the Web Server while the both of VoIP Port and Maintenance Port were invalid.	At least, make the either one of VoIP Port or Maintenance Port available as the port used for the Web Server.
Can't download log. Connect the system by connection type of IP.	An attempt was made to download the log while PCPro is directory connected to the system or connected to the modem. A log download is available only for an IP connection.	Connect PCPro to the system with an IP connection. Then, download the log file.
The log is not stored.	An attempt was made to download a log, but the log was not stored in the system.	No action is necessary (there is no particular problem). As for the setting of log storage, please confirm CMF6.
Failed to download the log. (Failed to write it to the file.)	—	Confirm whether the file to be saved is opened by another application or not. Close the file if it is used by another application and try again.
PCPro couldn't start to download. It would be caused by aborting a download last time. Please wait for a while and download it again.	The system is under processing to download the log.	Please wait for a while and download it again.

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Error Message	Cause	Remedial Action
Failed to start the Web Server. Confirm the following items. * Version license is available. * VoIPDB is mounted. * IP address of VoIP Port is set.	The Web Server could not be started because the version license for 9300V2 or later was not registered, or VoIPDB was not mounted to SV9300, or an IP address of VoIP Port was not set.	Confirm the following items, if necessary. * Version license is available. * VoIPDB is mounted. * IP address of VoIP Port is set.
Failed to restart the Web Server. Confirm the following items. * Version license is available. * VoIPDB is mounted. * IP address of VoIP Port is set.	The Web Server could not be restarted because the version license for 9300V2 or later was not registered, or VoIPDB was not mounted to SV9300, or an IP address of VoIP Port was not set.	Confirm the following items, if necessary. * Version license is available. * VoIPDB is mounted. * IP address of VoIP Port is set.

■ Terminal Phonebook

Error Message	Cause	Remedial Action
Microsoft Excel is not installed or necessary file is not found. - Please confirm whether Microsoft Excel is installed. - Please reinstall PCPro.	Microsoft Excel is not installed or necessary file does not exist.	1. Install Microsoft Excel 2010 or later if not installed. 2. Re-install the PCPro when the trouble is not cleared even if Excel 2010 or later is installed.
Select the data file.	The file for data read is not selected.	Select the correct data file and execute the data read.
Couldn't get the data to create the head shot. Retry read the Terminal Phonebook Data.	Failed to get the data to create the head shot.	Execute the data read again.
Read the Terminal Phonebook Data.	The Terminal Phonebook data read has not been executed.	Execute the Terminal Phonebook data read again.

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Error Message	Cause	Remedial Action
Couldn't get the data to create the Zip File of Terminal Phonebook Data. Retry read the Terminal Phonebook Data.	Failed to get the data to create the zip file.	Execute the data read again.
The Zip File of Terminal Phonebook is creating. Please abort the process before closing this function.	The function cannot be closed because the zip file of Terminal Phonebook is creating.	Wait for the process to complete, or retry after canceling the process.

■ System Check and Report

Error Message	Cause	Remedial Action
HTML file cannot be displayed.	Although a HTML file was created, the HTML file could not be displayed.	Associate the HTML file to the application.
Failed to make a HTML file.	Failed to create the HTML file that you have tried to display.	Confirm the amount of space in a HDD of PC and whether the folder properties is set to write inhibit or not, then retry.

■ Port Status/Lamp Status

Error Message	Cause	Remedial Action
Failed to reset the Blade.	—	Confirm the blade configuration, and do it again.

■ System Data Save/Load/Verify

Error Message	Cause	Remedial Action
Failed to save the system data. (Could not create the system data file.)	The specified folder is write-protected or enough hard disk drive space is not available.	Specify a write-enabled folder or a folder having enough hard disk drive space.
Failed to save the system data. (Cannot use the specified system data area.)	System data saving was attempted with a system data area in which no system data existed specified.	Specify a valid system data area.
Failed to verify the system data. (Could not open the system data file.)	The specified file has been opened by another application.	Close the file.
Failed to verify the system data. (Cannot use the specified system data area.)	The system data area has been specified does not exist. The version of the system may be older than the version of the station data file.	Check the subject file or system.
Failed to load the system data. (Writing error of the system data occurred.)	The SV9300 responded with “Write error” while system data was loaded.	Retry.
Failed to load the system data. (System data version error)	The version of files to be loaded is not match with the system.	The error files cannot be used. The files have been already saved should be used.
Failed to load the system data. (Could not open the system data file.)	The specified file has been opened by another application.	Close the file.
Failed to load the system data. (Cannot use the specified system data area.)	The system data area has been specified does not exist. The version of the system may be older than the version of the station data file.	Check the subject file or system.

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Error Message	Cause	Remedial Action
Failed to reset the system.	–	Retry the system reset, or press the [Reset] button on the unit.
The file header is wrong.	The system data file might be broken.	Reselect the system data file.
Loading the system data was completed. Database has been password protected. Failed to load the system data to the flash ROM. You must login to the SV9300 and manually enter the password before the database can be loaded to flash ROM.	Backup of loaded system data to flash ROM failed.	Retry the backup of the system data to flash ROM.
Office data file of the former system can't be loaded.	An attempt was made to load the office data file of the former system.	Please specify the SV9300 system data file. When migrating from the SV8300, please use the PCPro Office Data Conversion Tool.
Office data file of the former system can't be verified.	An attempt was made to verify the office data file of the former system.	Please specify the SV9300 system data file.
File <i>file name</i> already exists. When the connection type of the connection destination is “virtual PBX (system data file)” can't overwrite the exist file. Please change preservation destination.	–	Save as the file name different from the file name of the connecting destination.

■ Reset

Error Message	Cause	Remedial Action
Failed to reset the blade.	Failed to reset the blade.	Confirm the blade configuration, and do it again.
Failed to reset the system.	Failed to reset the system.	Confirm the system state, and do it again.
Failed to reset the IP Trunk (P2P CCIS).	Failed to reset the IPT (P2P CCIS). There is possibility that the system data is not registered properly.	Confirm the system data of the IP trunk again.
	Failed to reset the IPT (P2P CCIS). The [After initial construction] is executed again after the execution of the [After initial construction].	Execute the [Under operation].

■ Maintenance Report

Error Message	Cause	Remedial Action
System Name not registered. Please set system data (CM04, Y=70).	The system name is not registered to SV9300.	Set the CM04 Y=70 by System Data Mode.
Invalid date.	On the Specified time period of the [Make Report (7/8)] screen, the date/time older than the Start field is set to the End field.	Set the date/time of the Start and End fields properly again.
File name too long.	The file name is too long.	Change the length of the file name and then retry.
Microsoft Excel is not installed or necessary file is not found. - Please confirm whether Microsoft Excel is installed. - Please reinstall PCPro.	Microsoft Excel is not installed or necessary file does not exist.	<ol style="list-style-type: none"> 1. Install Microsoft Excel 2010 or later if not installed. 2. Re-install the PCPro when the trouble is not cleared even if Excel 2010 or later is installed.
Import failed.	The specified file is not report data.	Specify the report data.
Data already imported.	The same report data is imported again.	—
Export failed.	Failed to export the report data.	Specify the row to export on the System List area and click the [Export] button again.
Unexpected Error Occurred.	Invalid data is included in the report data.	Delete the appropriate data on the [Maintenance Report Data] screen of the [Maintenance Report] menu.

■ Wizard Settings (CCIS)

Error Message	Cause	Remedial Action
<p>Some voice channels cannot be assigned according to the starting trunk number. Please confirm the start trunk number and input it again.</p>	<p>Registering the number of voice channels from the specified starting trunk number as trunk numbers exceeds the maximum value for the trunk numbers.</p>	<p>Confirm the starting trunk number again.</p>
<p>Some voice channels and control channel cannot be assigned according to the starting virtual port number. Please confirm the start virtual port number and select it again.</p>	<p>Registering the number of voice channels from the specified starting trunk number as trunk numbers exceeds the maximum value for the virtual port numbers.</p>	<p>Confirm the starting virtual port number again.</p>
<p>The specified virtual port number has already assigned. Please specify the starting virtual port number again.</p>	<p>An attempt was made to register the data to the virtual port for which the data is already assigned.</p>	<p>Confirm the starting virtual port number again.</p>
<p>The specified port number has already assigned. Please specify the Unit/Slot number again.</p>	<p>An attempt was made to register the data to the port for which the data is already assigned.</p>	<p>Confirm the Unit/Slot number again.</p>
<p>You specified the assigned trunk number. Please confirm the List of Available Trunks, and then specify the starting trunk number or common control channel trunk number again.</p>	<p>An attempt was made to register the trunk number which is already assigned.</p>	<p>Confirm the starting trunk number, or common control channel trunk number again.</p>
<p>CCH 00 is already assigned to TDM CCIS Route xx. P2P CCIS must use CCH 00. Please move or delete TDM CCIS from CCH 00 before assigning P2P CCIS.</p>	<p>Settings for P2P CCIS is not available because CCH 00 to be used for P2P CCIS is already assigned.</p>	<p>Confirm the CCH number for TDM CCIS again.</p>

■ Wizard Settings (PRI)

Error Message	Cause	Remedial Action
<p>Some voice channels cannot be assigned according to the starting trunk number. Please confirm the start trunk number and input it again.</p>	<p>Registering the number of voice channels from the specified starting trunk number as trunk numbers exceeds the maximum value for the trunk numbers.</p>	<p>Confirm the starting trunk number again.</p>
<p>You specified the assigned trunk number. Please confirm the List of Available Trunks, and then specify the starting trunk number again.</p>	<p>An attempt was made to register the trunk number which is already assigned.</p>	<p>Confirm the starting trunk number again.</p>
<p>The specified port number has already assigned. Please specify the Unit/Slot number again.</p>	<p>An attempt was made to register the data to the port for which the data is already assigned.</p>	<p>Confirm the Unit/Slot number again.</p>

Troubleshooting on FTP Server

The probable causes of faults that could occur in the FTP server.

(1) Cannot start the FTP server

No.	Cause	Remedial Action
1	IP address for PC is not same as the IP address for FTP sever.	Set the IP address of PC on the [■ Whole Setting] menu of [FTP Server Settings]. ☞ Page 9-45
2	The command port for the FTP server has already been used for other applications.	Close the application used. Or change the command port of FTP server.

(2) The FTP service has been performed, but cannot access from a FTP user

No.	Cause	Remedial Action
1	Windows firewall has been blocked.	Unblock the Windows firewall. ☞ Page 1-7
2	The port of FTP server has been blocked by an anti-virus software.	Unblock the port by using anti-virus software. Please refer to setting of anti-virus software for you to know a way in detail.

(3) Cannot display or disappear the FTP Server Settings screen

No.	Cause	Remedial Action
1	Virtual PBX has been connected. When Virtual PBX is connected, the FTP Server Settings screen cannot be displayed. The displayed screen disappear, but the starting FTP server does not stop.	Disconnect Virtual PBX, and then display the FTP Server Settings screen.

Troubleshooting on HTTP Server

The probable causes of faults that could occur in the HTTP server.

(1) Cannot start the HTTP server

No.	Cause	Remedial Action
1	IP address for PC is not same as the IP address for HTTP sever.	Set the IP address of PC on the [■ Whole Setting] menu of [HTTP Server Settings]. ☞ Page 9-47
2	The port number for the HTTPS protocol has already been used for other applications (such as IIS or Apache).	Set the port number which does not overlap with other applications, and the port number should be in the usable range of HTTPS protocol.
3	Windows firewall has been blocked.	Unblock the Windows firewall. ☞ Page 1-7
4	The port of HTTP server has been blocked by an anti-virus software.	Unblock the port by using anti-virus software. Please refer to setting of anti-virus software for you to know a way in detail.

(2) Cannot download the Terminal Phonebook

No.	Cause		Remedial Action
1	The HTTP server has not been started.		Start the HTTP server.
2	The communication log cannot be recorded.	The IP address of the HTTP server on the client side (terminals) and the HTTP server's URL/IP address are unmatched.	Set the matching URL/IP address of the HTTP server on the client side (terminals).
3		The port number of the HTTP server on the client side (terminals) and the HTTP server's port number are unmatched.	Set the matching port number of the HTTP server on the client side (terminals).

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No.	Cause		Remedial Action
4	The HTTP server response log for the client request cannot be recorded on the communication log.	The protocol other than HTTP/HTTPS is used on the communication.	Use the HTTPS protocol on the client side.
5	“400 Bad Request” is recorded on the communication log.	“Receiving data error” or “unable to process the request” has been caused.	Set the following folder/file name in the terminal settings on the client side (or URI) correctly. * folder name: “terminal/<station number>” * file name: [Terminal list] “PhoneBookList.csv” [Terminal Phonebook] “Contact-List.zip”
6	“404 Not Found” is recorded on the communication log.	There is no downloading file (a terminal list or a Terminal Phonebook zip). Or, the files for downloading has not been created.	Create the necessary files for downloading by using Terminal Phonebook.
7		The files for downloading (a terminal list or a Terminal Phonebook zip) have been deleted.	
8	“403 Forbidden” is recorded on the communication log.	The access to the file to be downloaded has been restricted.	Download the Terminal Phonebook with downloading permission.
9		To download the Terminal Phonebook is not allowed.	Correct the RIGHTS and ADDRESS data in the directory data (Excel). Create Terminal Phonebook zip and download it.

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No.	Cause		Remedial Action
10	“401 Unauthorized” is recorded on the communication log.	“Server authentication failure” or “encryption error” has been caused.	Set “without authentication” in the terminal settings on the client side, and then download again. Or, download the root certificate of the HTTP server to the client (terminals), and then download again. * Root certificate of the HTTP server: <PCPro installed folder>\sample\ http\ServerCertificate.der
11	“503 Service Unavailable” is recorded on the communication log.	“Session overflow” has been caused. The HTTP server has received multiple downloading requests exceeded the tolerance level from the client (terminals).	Wait for a while and download again.
12	“Request Denied (NotSSL)” is recorded on the communication log.	The HTTP server has been accessed by unencrypted communication.	Use the HTTPS protocol.

(3) Cannot display or disappear the HTTP Server Settings screen

No.	Cause	Remedial Action
1	Virtual PBX has been connected. When Virtual PBX is connected, the HTTP Server Settings screen cannot be displayed. The displayed screen disappear, but the starting HTTP server does not stop.	Disconnect Virtual PBX, and then display the HTTP Server Settings screen.
2	Login with the “manager” account	To open the HTTP Server Settings screen with the “manager” account, use the “HTTP Server Setting”, “Check Security”, “Start HTTP Server”, and “Stop HTTP Server” button in the Terminal Phonebook screen.

(4) The HTTP server stopped

No.	Cause	Remedial Action
1	The IP address has been changed due to starting Program Upgrade (off-line).	Close the Program Upgrade (off-line) screen to return to the original IP address, and then restart the HTTP server.

Troubleshooting on Terminal Phonebook

The probable causes of faults that could occur in the Terminal Phonebook creating process.

(1) Failed to read the directory data (Excel)

No.	Cause	Remedial Action
1	The file format of Excel is old (such as XLS).	Create the directory data (Excel) by editing a sample (sample_phonebook.xlsx).
2	<p>The setting directory data (Excel) is incorrect.</p> <p>For example;</p> <ul style="list-style-type: none"> • The required data is missing (such as ID or a station number). • The data are overlapping (such as ID or a station number). • The IP address is incorrect. • The limit of the number of characters/digits is exceeded. • A character is specified in the numeric data. • The data other than the fixed value (such as TRUE/FALSE) is specified. • The required sheet for creating Terminal Phonebook zip is missing (M_USER/M_TEL/TERMINAL/<station number>). • The number of the station number sheets is exceeded 100. 	The sheet name and the ID that caused the error are recorded in the log. Check and correct the setting data in the directory data (Excel).
3	The file of the directory data (Excel) is used by other process.	Close the file of the directory data (Excel).

(2) Failed to create the head shot data of Terminal Phonebook

No.	Cause	Remedial Action
1	Unsupported file extension is used to the original photo file.	Check the file extension of the original photo file.
2	The specified photo file is missing. Read permission is not set to the specified photo file.	The telephone number that caused the photo data error is recorded in the log. Check that the original photo file of the telephone number exists and access rights of the file.

(3) Failed to create the Terminal Phonebook zip

No.	Cause	Remedial Action
1	The required data or a head shot data has not been created.	The station number that caused the error is recorded in the log. Check the setting data in the station number sheet.
2	The required head shot file has been deleted.	The station number that caused the error is recorded in the log. Check that the head shot file in the station number sheet exists.

(4) Consumed the most time for creating Terminal Phonebook

No.	Cause	Remedial Action
1	The PC is congested by such as running Windows Update or a virus scan.	Cancel the process of Terminal Phonebook, resolve the congestion, and then try again.
2	The free space in the server for creating Terminal Phonebook is not enough.	Cancel the process of Terminal Phonebook, change the root folder to another folder that has enough disk space on the HTTP server.

Troubleshooting on Software License Authentication

The probable causes of errors that could occur in the license data authentication process and the associated remedial actions are listed below.

- (1) Cannot register license data/Cannot create a PBX creation file

No.	Cause		Remedial Action
1	Unstable communication between PCPro and the SV9300.	The SV9300 was in a congested state, unable to receive a maintenance command.	Wait for a while and retry the communication session.
		Noise present on the communications line.	Connect PCPro and the SV9300 directly with RS CONSOLE CA-A.

- (2) Registered license data won't take effect

No.	Cause	Remedial Action
1	No temporary Activation Code or Activation Code had been registered following the registration of license data.	Register a temporary Activation Code or Activation Code.
2	Following the registration of an Activation Code, another Software Key Code has been added on the SV9300 (or the Software Key Code has been deleted).	<ol style="list-style-type: none"> 1. Verify the Software Key Code set on the SV9300. 2. Obtain the Activation Code again from the Software License Authentication Center, including the Software Key Code added, and then register the correct Activation Code.
3	The system was reset without backing up the system data following the registration of a temporary Activation Code or Activation Code.	Reregister the temporary Activation Code or Activation Code and then back up the system data.

(3) Cannot obtain an Activation Code from the Software License Authentication Center

No.	Cause	Remedial Action
1	An attempt was made to use license data already authenticated to create a PBX creation file on another SV9300 and to register it with the Software License Authentication Center (illegal copying).	Create a PBX creation file using license data that is not yet authenticated and register it with the Software License Authentication Center.

(4) Cannot register a temporary Activation Code or Activation Code

No.	Cause		Remedial Action
1	Invalid temporary Activation Code or Activation Code.	The Activation Code for another SV9300 is used.	Enter a valid Activation Code.
2	Unstable communication between PCPro and the SV9300.	The SV9300 was in a congested state, unable to receive a maintenance command.	Wait for a while and retry the communication session.
		Noise present on the communications line	Connect PCPro and the SV9300 directly with RS CONSOLE CA-A.

(5) Error type 017 is set to point to an MJ alarm in the PCPro fault display

No.	Cause		Remedial Action
1	Invalid Activation Code.	The Activation Code for another SV9300 is used.	Enter a valid Activation Code.
2	The system was reset after registering new license data while a former Activation Code had already been registered on it.		Access the Software License Authentication Center to obtain an Activation Code and set it on the SV9300.
3	Five days have passed since you started running the system without registering an Activation Code following the registration of a temporary Activation Code.		Access the Software License Authentication Center to obtain an Activation Code and set it on the SV9300.