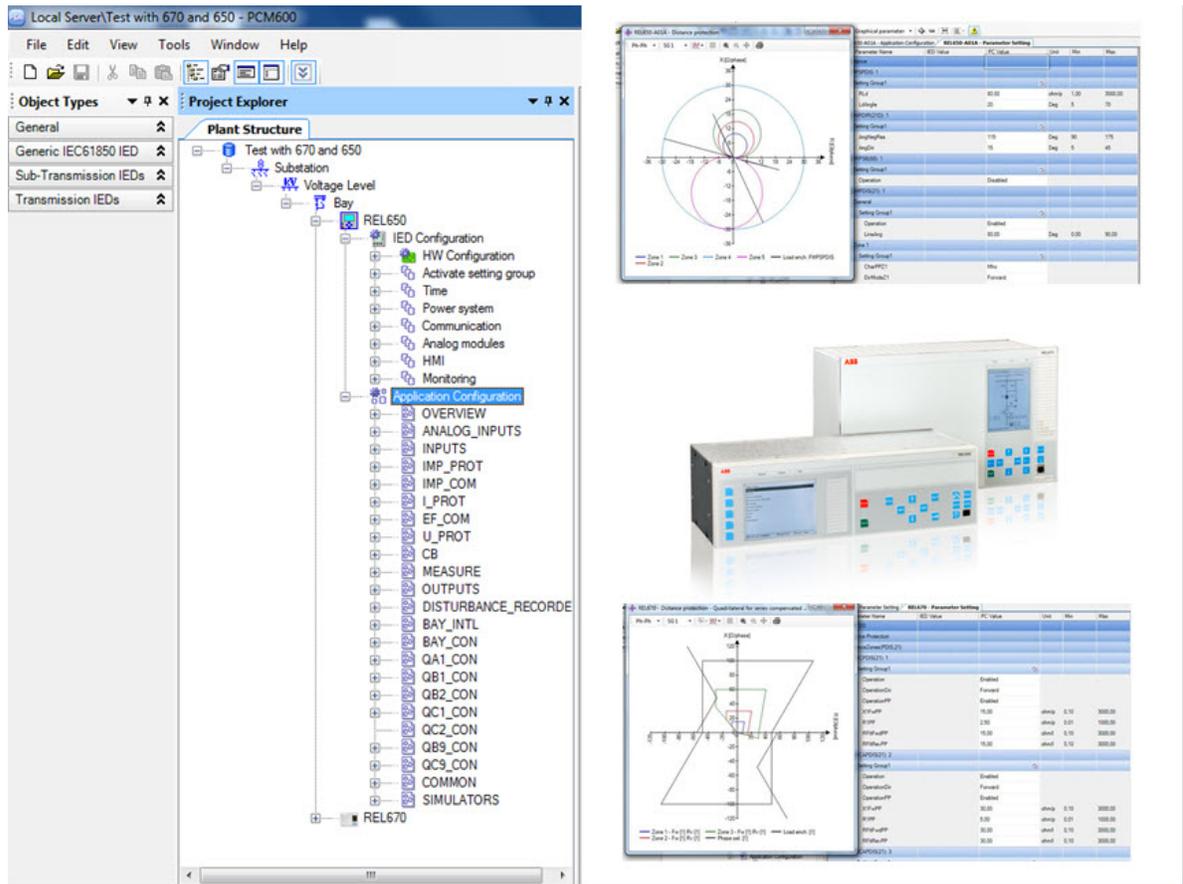


Quick Start Guide PCM600 for Relion® 650/670 Series



PCM600 VERSION 2.5

Version	Date
0001	09/25/13

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PSAC/Substation Automation Products

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Introduction

The Protection and Control IED manager PCM600 is a versatile, easy-to-handle tool for the entire lifecycle of all Relion® protection and control IED applications, at all voltage levels. It helps you manage your protection and control equipment all the way from application and communication configuration to disturbance handling, including automatic disturbance reporting. This guide describes how the PCM600 works with the Relion® 650 and 670 series.

PCM600 interacts with IEDs over fast and reliable TCP/IP protocols through your corporate LAN or WAN (rear communication port of the IED) or alternatively directly through the communication port at the front of the IED. PCM600 is able to read and write all configuration and setting parameters of an IED with a single command.

The user interface, workflow, and IEC 61850-based data model in PCM600 are designed according to the same philosophy as the Relion® protection and control IEDs, ensuring smooth and seamless integration between PCM600 and the IEDs.

In addition to PCM600, you need the connectivity package for the IED you are using (either 650 or 670 series). A connectivity package is a software component that enables PCM600 to communicate with an IED. It includes all the data used to describe the IED, including a list of the existing parameters, the data format used, the units, the setting range, the access rights, and the visibility of the parameters. In other words, the connectivity package is the driver that PCM600 needs to interact with a specific 670/650.

The IED is available as pre-configured or fully customized. As pre-configured IEDs, the IEDs are delivered type-tested and with default parameters to simplify ordering, engineering, and commissioning. The selected configuration can be imported to PCM600, which makes it possible to further customize the configuration and setting.

How to get PCM600

PCM600 can be obtained either as a CD or from the ABB Software Library website:

- PCM600 Ver. 2.5 Installation CD
- PCM600 Ver. 2.5 Setup can be downloaded from <https://www143.abb.com/SoftwareLibrary>. To access the website, you must have an ABB Substation Automation Software Library account or register for it, but no license is required to download PCM600 Ver. 2.5.

When you install PCM600, three icons appear on your desktop:

- PCM600 2.5
- Wavewin ABB
- Update Manager

Wavewin is used to analyze the disturbance recordings from the IEDs, and the Update Manager ensures that you receive the latest version of the connectivity package.

How to get the connectivity packages and pre-configurations

The connectivity packages and pre-configurations are downloaded from the IED Connect DVD that is included with the IED or through the Update Manager. Two DVDs are available: IED Connect for the Relion® 650 series and IED Connect for the Relion® 670 series.

The hardware and software configuration of the IED that you are working with can be obtained via e-mail or by reading directly from the IED. To receive the files by email, contact config540.seapr@se.abb.com, including the order number and item number in the subject line. Any addresses in the copy line will also receive the files. For more information, visit www.abb.com/substationautomation.

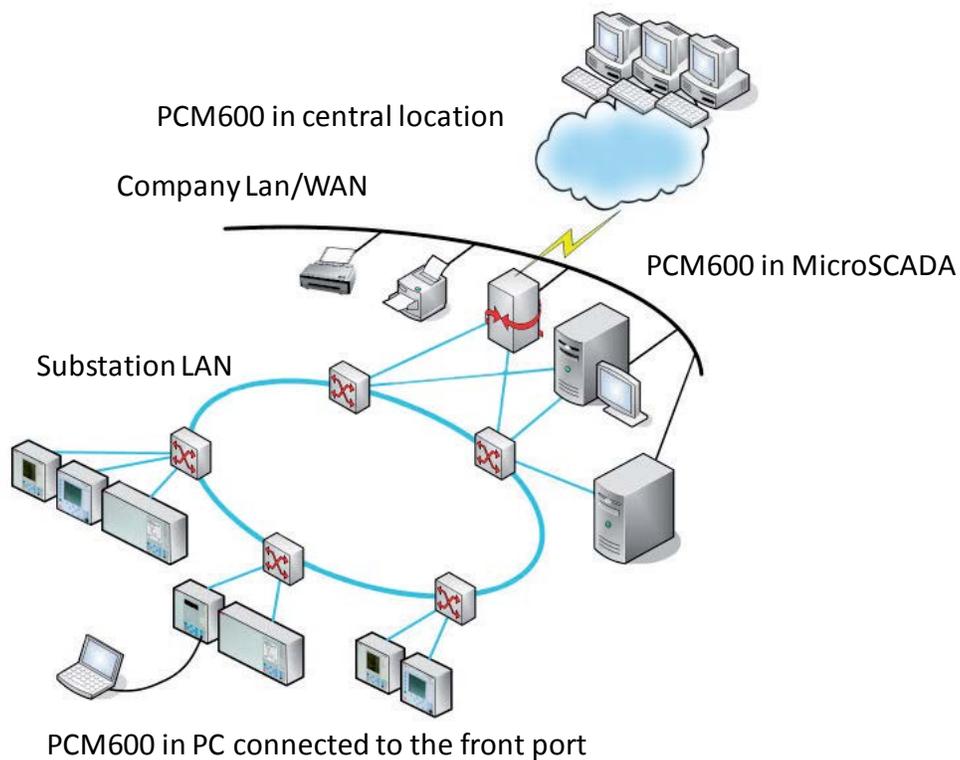
PCM600 system requirements

The PCM600 requires one of the following operating systems (32-bit versions):

- Windows XP SP3
- Server 2003 SP2
- Windows Vista SP2
- Windows 7 (32-bit/64-bit)

The minimum and recommended hardware requirements are:

- Physical RAM memory 2 GB/3 GB
- Free hard disk space 2 GB/4 GB
- Processor 1.0 GHz/2.2 GHz



Installing PCM600 ver. 2.5

The PCM600 Protection and Control IED manager is a very comprehensive tool. This *PCM600 Quick Start Guide* is a brief introduction. For further information, including compatibility with earlier PCM600 versions, please refer to the additional information supplied with the CD or available from the ABB Software Library. ABB also provides a PCM600 training course (SEP600/601). Contact ABB for more information.

Installation from CD

1. Insert the installation CD into the CD-drive. If the setup doesn't start automatically, execute setup.exe in the root folder of the installation CD.

Download from ABB Software Library

1. Log into the ABB Software Library website <https://www143.abb.com/SoftwareLibrary>
2. Select the PCM600 v2.5 installation package. An e-mail is sent to you with a link to download the PCM600 executable installation file.
3. Start the installation file and either use the default software selection or select the software needed; for example:
 - a. Protection and Control IED Manager PCM600
 - b. Generic IEC61850 IED Connectivity Package
 - c. Adobe® Reader ® X
 - d. Wavewin ABB
4. Follow the instructions for installation.

Installation notes

PCM600 requires Microsoft SQL Server 2008 Express edition. The correct SQL Server instance is installed automatically. The SQL Server requires Windows Installer 4.5 and .NET Framework 3.5 SP1, which are also installed (on Windows XP/Server 2003/Vista). Windows Installer 4.5 requires a reboot.

The PCM600 installation requires administrator rights. In all versions of Windows it might be necessary to switch off or configure antivirus software so that the installation and operation of PCM600 is not blocked (for example, you may need to switch off McAfee Host Intrusion Prevention).

Password

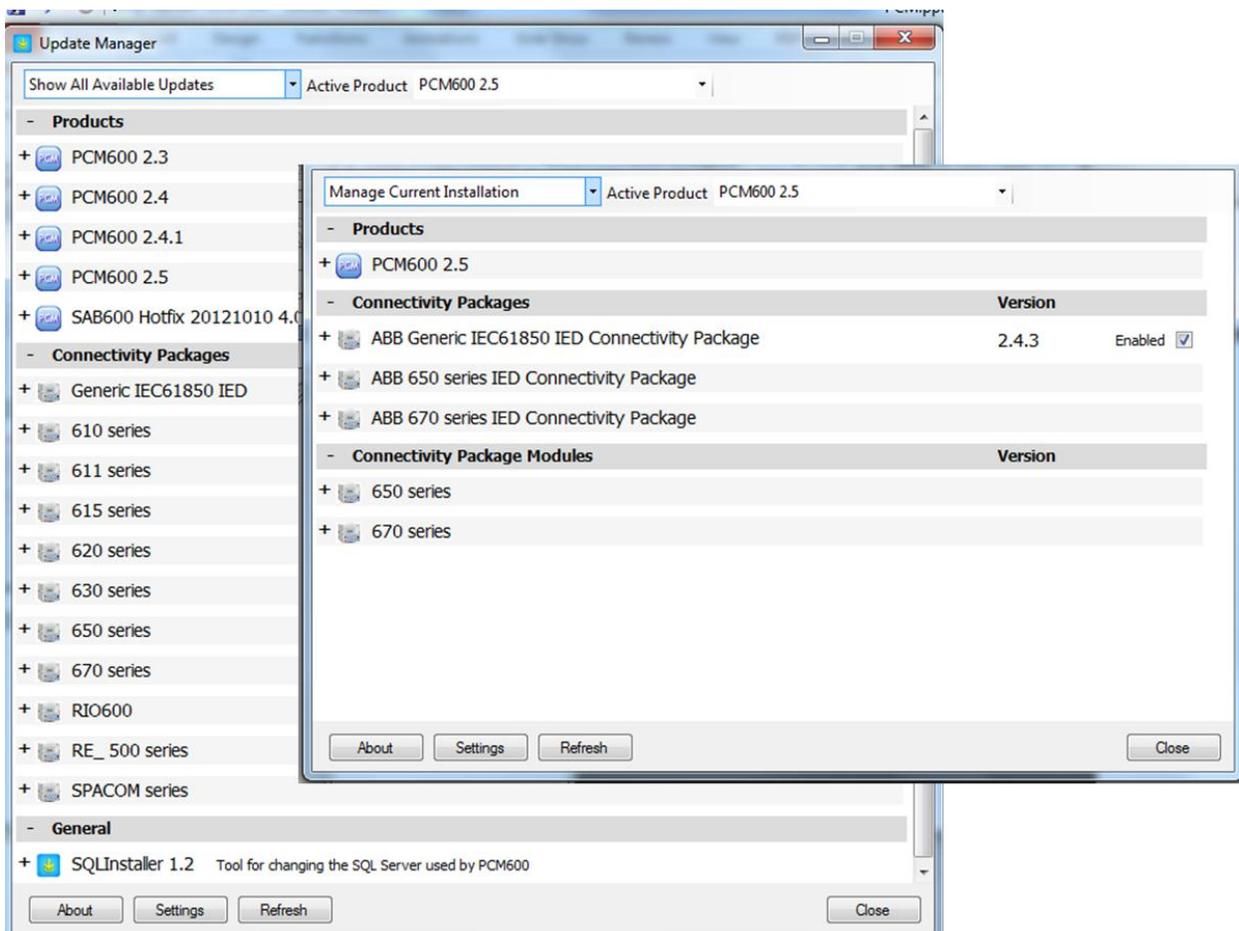
The first time you open PCM600, it prompts for a password. If you leave it blank, PCM600 will open and won't ask for a password again. Account management can be modified a later date if password protection is desired.

Using the update manager

You need an Internet connection to use the Update Manager.

The Update Manager manages the current installation of the PCM600 and connectivity packages, providing notification about available updates and allowing you to download the updates.

1. On the taskbar, click the Start button.
2. Select ALL PROGRAMS>ABB>UPDATE MANAGER. (If PCM600 has installed an icon on your desk top, you may click on the icon instead.)
3. From the list in the upper left corner, select the content to be shown in the Update Manager window.
4. Select MANAGE CURRENT INSTALLATION to display the current configuration of PCM600.
5. Select the connectivity package to be used.
6. Select SHOW ALL AVAILABLE UPDATES to display updates for PCM600, the connectivity packages, and similar items.
7. Download and install the needed updates.
8. Click CLOSE to close Update Manager.

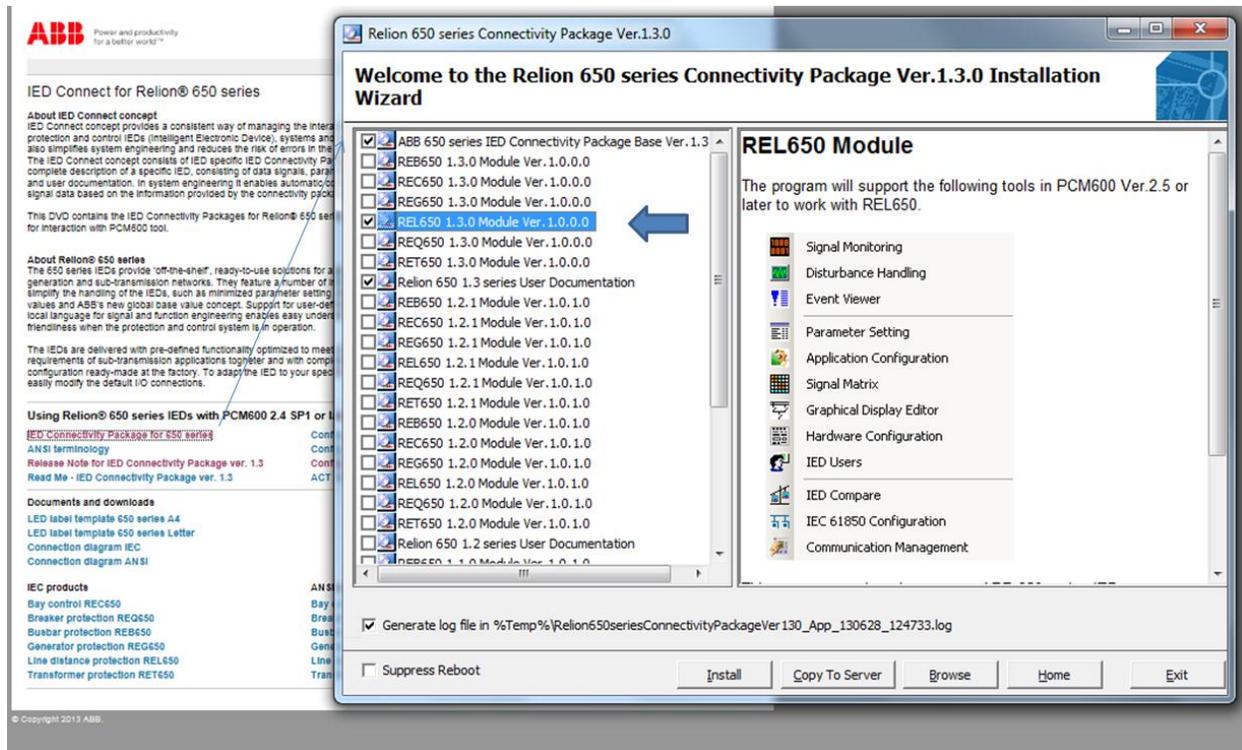


Installing the connectivity package (conpac)

The IED Connect DVD provides you with an IED-specific connectivity package (ConPac) that describes the protection and control IEDs.

Installation from the DVD

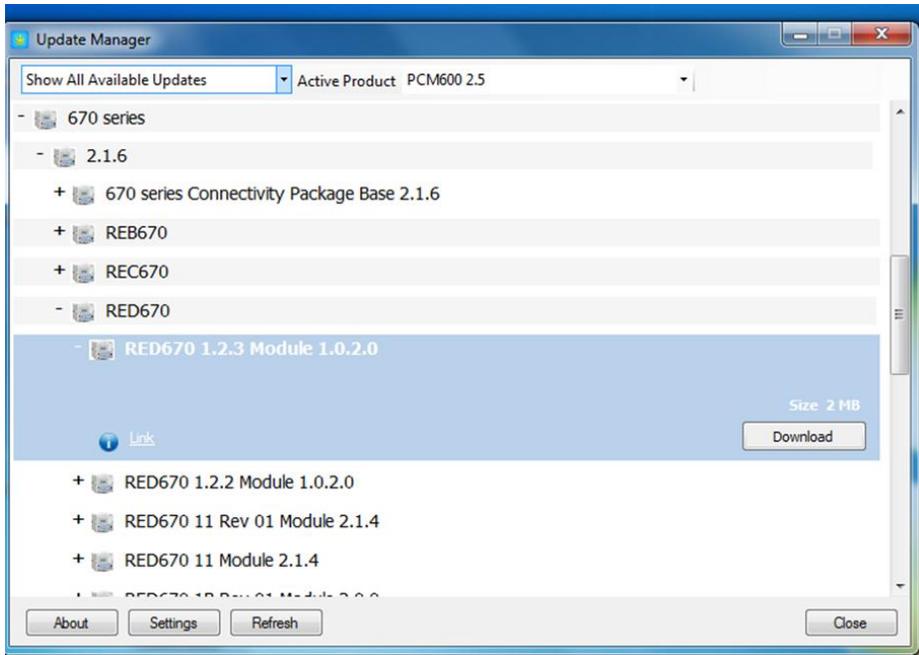
1. Insert the DVD and run autorun.bat. The menu appears in your web browser.
2. Select the modules you want to install. In the example below, the user has chosen REL650 1.3 Module and the first base module.
NOTE: Always include the base module.
3. Click on INSTALL. All the modules you chose are installed automatically.



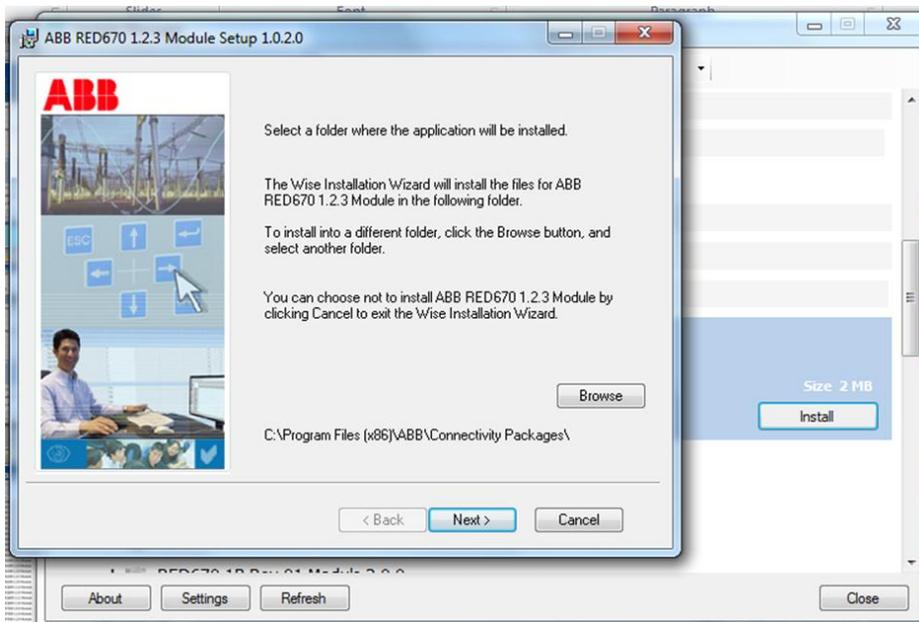
Installation from Update Manager

You need an Internet connection to install the connectivity package from the Update Manager.

1. On the taskbar, click the START button.
2. Select ALL PROGRAMS>ABB>UPDATE MANAGER. (If PCM600 installed an icon on your desk top, you may click on the icon instead.)
3. Under CONNECTIVITY PACKAGES, select the 650 or 670 version you want to install (for example, REL650).
4. Click on download and then install according to the instructions given on your screen.



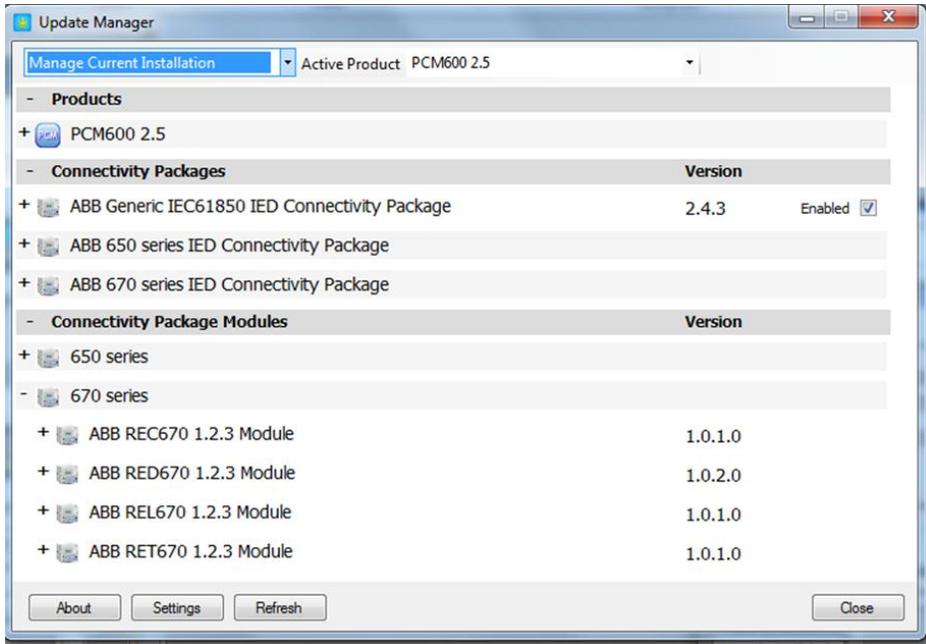
5. By default, the connectivity package is stored at the location shown on screen.



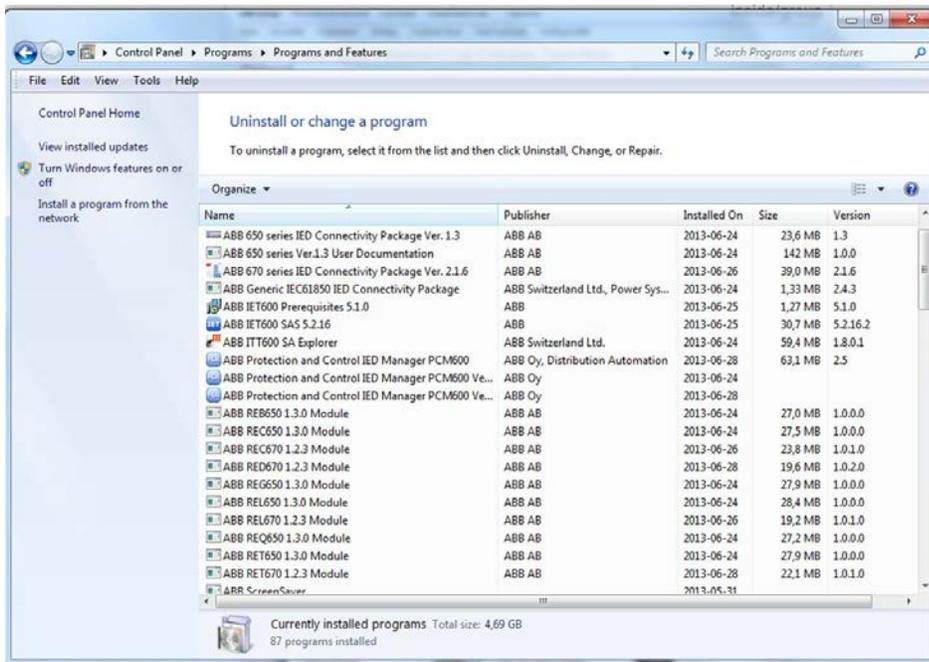
6. Repeat for each ConPac.

Checking which connectivity packages are installed on your PC

1. With an Internet connection, click the START button on the taskbar.
2. Select ALL PROGRAMS>ABB>UPDATE MANAGER. (If PCM600 installed an icon on your desk top, you may click on the icon instead.)
3. Look at MANAGE CURRENT INSTALLATION.



- At the PC CONTROL PANEL under PROGRAMS>PROGRAMS AND FEATURES, the UNINSTALL OR CHANGE A PROGRAM screen lists all programs you have installed.



Working with PCM600

PCM600 structure

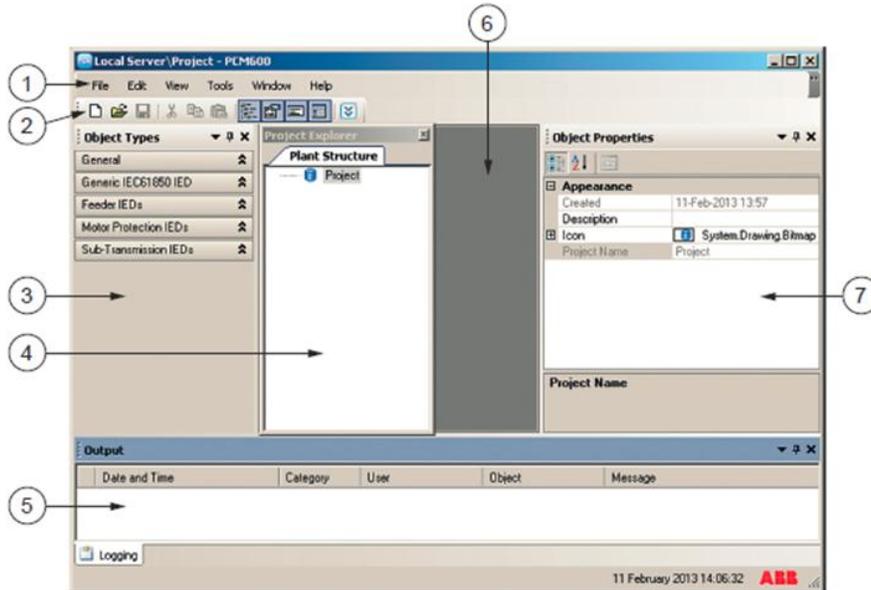


Figure 1: PCM600 interface

- 1 Menu bar
- 2 Toolbar
- 3 Object Types window
- 4 Project Explorer window
- 5 Output window
- 6 Tool window
- 7 Object Properties window

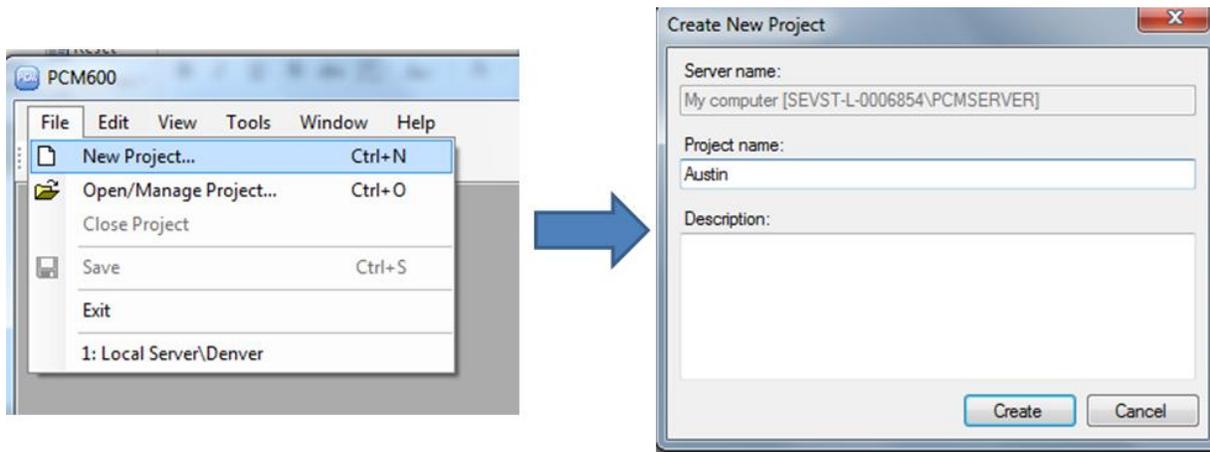
The menu bar and toolbar contents vary depending on the active object and tool:

- The OBJECT TYPES window shows all the available objects for the selected IED. The object list content depends on the IED type and the related connectivity package. Before the objects are shown on the list, the objects must be imported from the connectivity package to PCM600 by using Upload Manager.
- The PROJECT EXPLORER window is used to navigate to IEDs within a project/substation and to different functions within an IED. A plant structure with a substation, voltage levels, bays, and IEDs can be created in Project Explorer. All the configuration work, such as communication configuration, can be completed here by using the configuration wizard.
- The TOOL window is the working space, where tools are opened.
- The OBJECT PROPERTIES window shows the properties of the selected object. The name of the object can be changed in this window.

Creation of a new project in PCM600

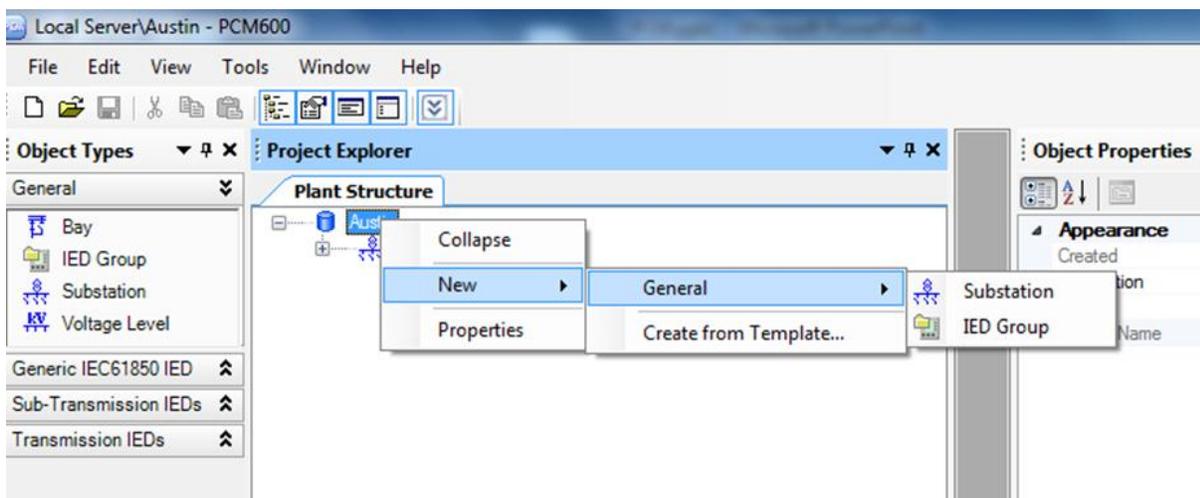
PCM600 is a tool to manage ABB 650 and 670 protection and control applications for transmission, sub-transmission, and generation. You can also manage a number of other ABB devices as shown in the online

Update Manager. To manage applications and devices, you must structure the work in different projects, where each project can consist of one or several substations and voltage levels with a number of bays.
NOTE: When you have created a project, always export the project to a separate backup storage.

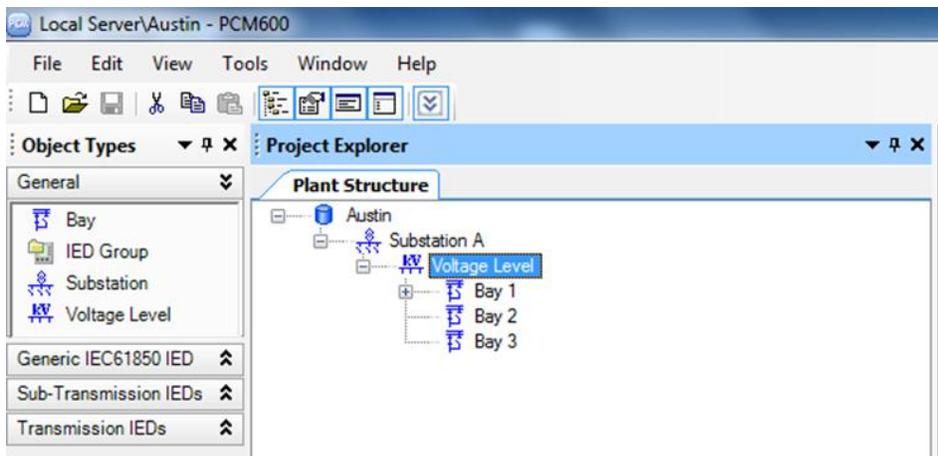


1. Start PCM600.
2. Select FILE>NEW PROJECT in the menu bar. The CREATE NEW PROJECT screen appears.
3. Type a project name and optional description. You must then build up the plant structure for the project, as described in Steps 4-8.
4. Select VIEW>OBJECT TYPES.
5. Expand GENERAL (in the left column in the screen below) to see the structure.
6. Create a new substation by either:
 - Using drag and drop, dragging a SUBSTATION object to the project symbol (the  shape) on the PLANT STRUCTURE screen
 - Using a right mouse click on the project name and then selecting NEW>GENERAL>SUBSTATION

NOTE: For each new substation, you must create a new project.



7. Next, select VOLTAGE LEVEL (in the left column in the screen above). Each substation can have several voltage levels; for example, 500 kV and 115 kV.
8. For each voltage level, define the number of bays and the names for each bay.



Creation of the IED configuration file (PCMI)

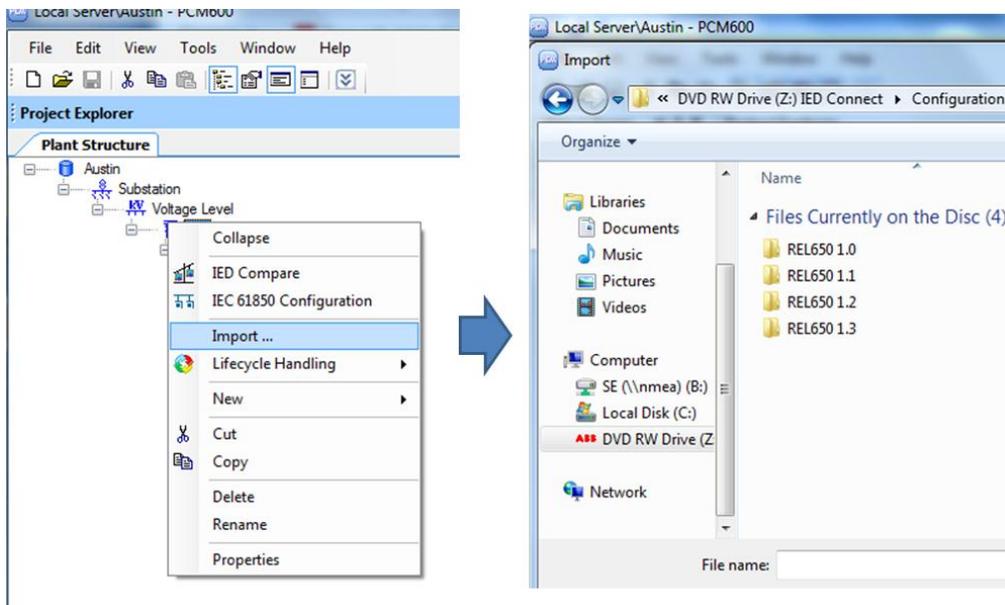
The 650 and 670 IEDs are available as preconfigured IEDs. This preconfiguration simplifies your configuration and parameter setting tasks. You may also order an “open” customized IED and configure it yourself. However, you will have less work to do if you select a preconfigured file close to what you want and then modify the file.

You have several options for importing a .pcmi configuration file:

- From the DVD of 650 or 670
- From the Update Manager
- From a stored template (as .pcmt file)
- From an earlier customized project, with the order number together with the License Upgrade Tool or the actual physical IED delivered

Importing configurations using a DVD

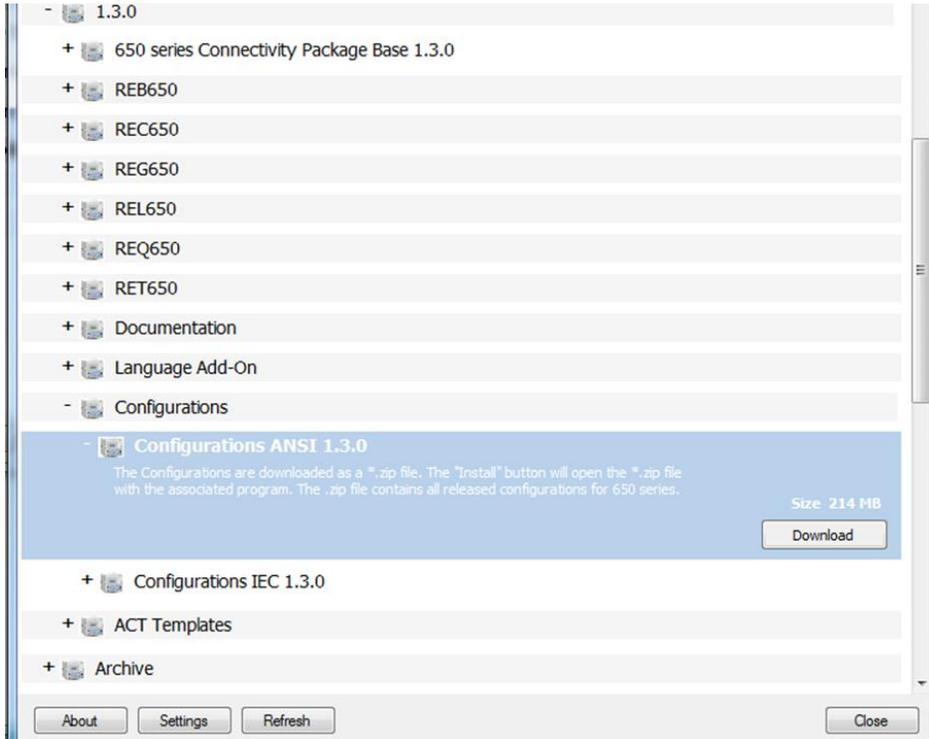
In all cases, you must first create a project in PCM600 down to the bay level. When you right click on bay level, a dialog box appears with the options shown in the screen below. Select IMPORT and browse to locate the file you want to import (for example, on the IED Connect DVD for 650 or 670).



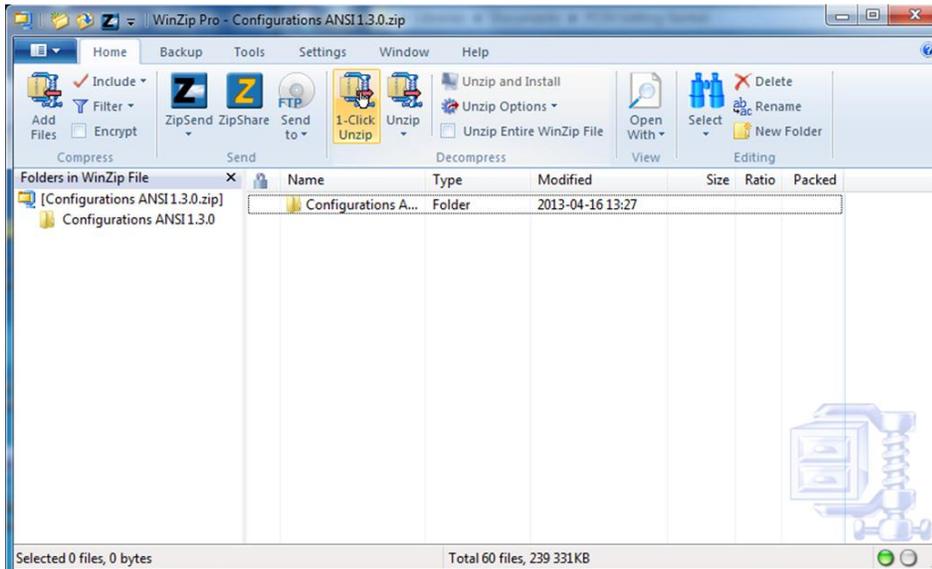
Importing configurations using the Update Manager

You can import the configurations using the Update Manager if you are connected to Internet.

1. Go to ALL AVAILABLE UPDATES and select CONFIGURATIONS.



2. Select 650 or 670.
3. Select configurations DOWNLOAD and then INSTALL. Installation will take time since the files are large.
4. Unzip the file using either 1-Click UnZip or UnZip:

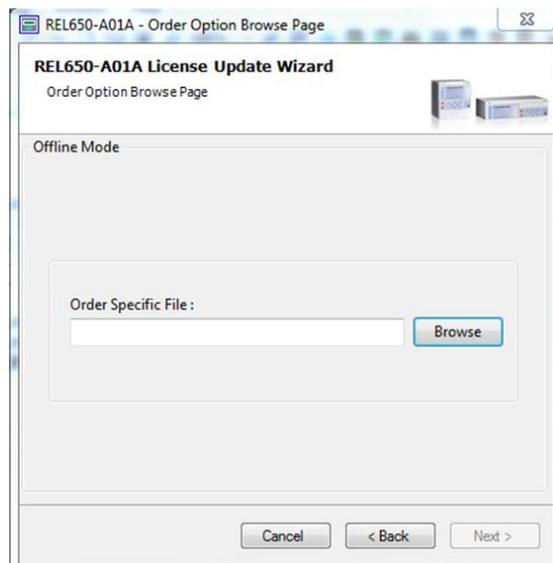
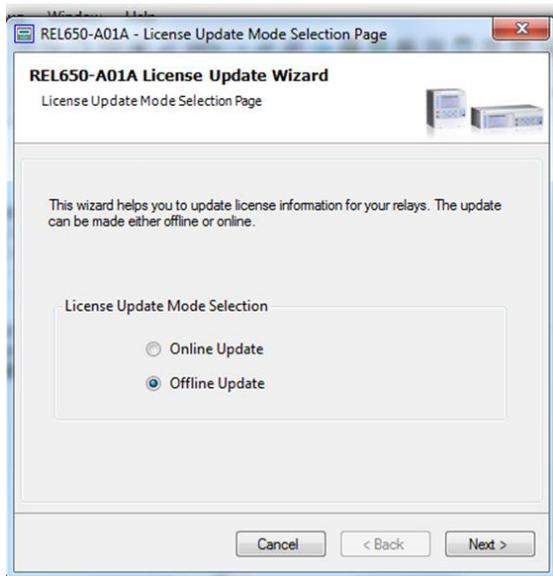
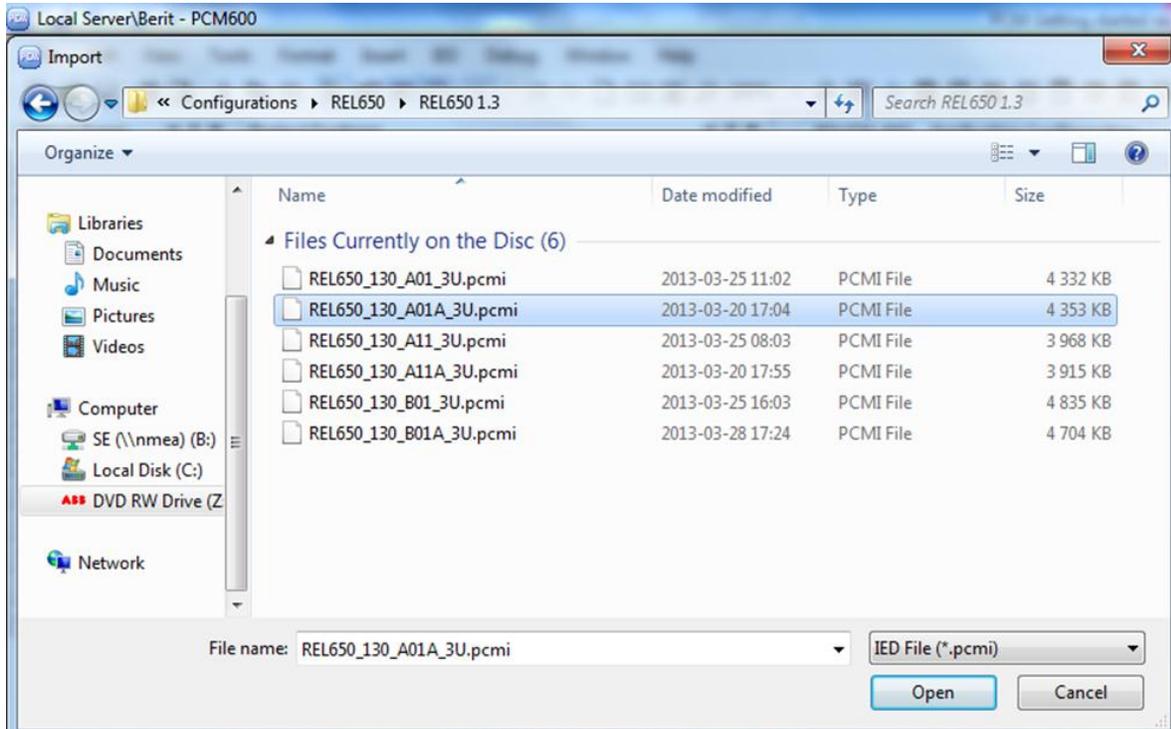


- With 1-Click Unzip, the files are stored under Program Data. Program Data is a hidden file: C:\ProgramData\ABB\UpdateManager\Downloads\ff26907a-c9e5-492a-9dde-745e205136b2
- With Unzip, you can select the destination. This is a better option if you want to store all your configurations in a dedicated file.

Importing configurations from storage

You can also start from a previous configuration, even if it differs somewhat from the configuration you want, using one of these methods:

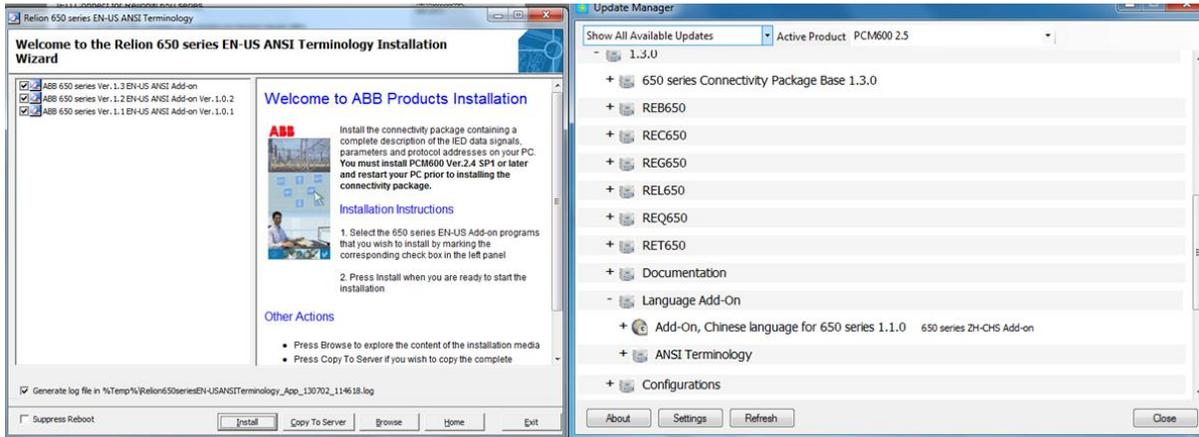
- Use an earlier stored template by right clicking on BAY and selecting NEW.
- Order a specific .xml file from config540.seapr@se.abb.com (put the order number in the subject line). Store the file you receive in your library.
- Create an IED in your project/bay by importing the same IED type (for example, REL650_130_A01A_3U.pcmi in the example below) and the version you need.
- Use the LICENSE UPDATE WIZARD and browse for this file under offline configuration. After you complete the licensing and installation, you will see the changes that have been made to synchronize the configuration.



You can now BEGIN YOUR CONFIGURATION and there is no need to later synchronize the PCM600 and IED with the License Update tool (as explained on Page 21).

Changing languages

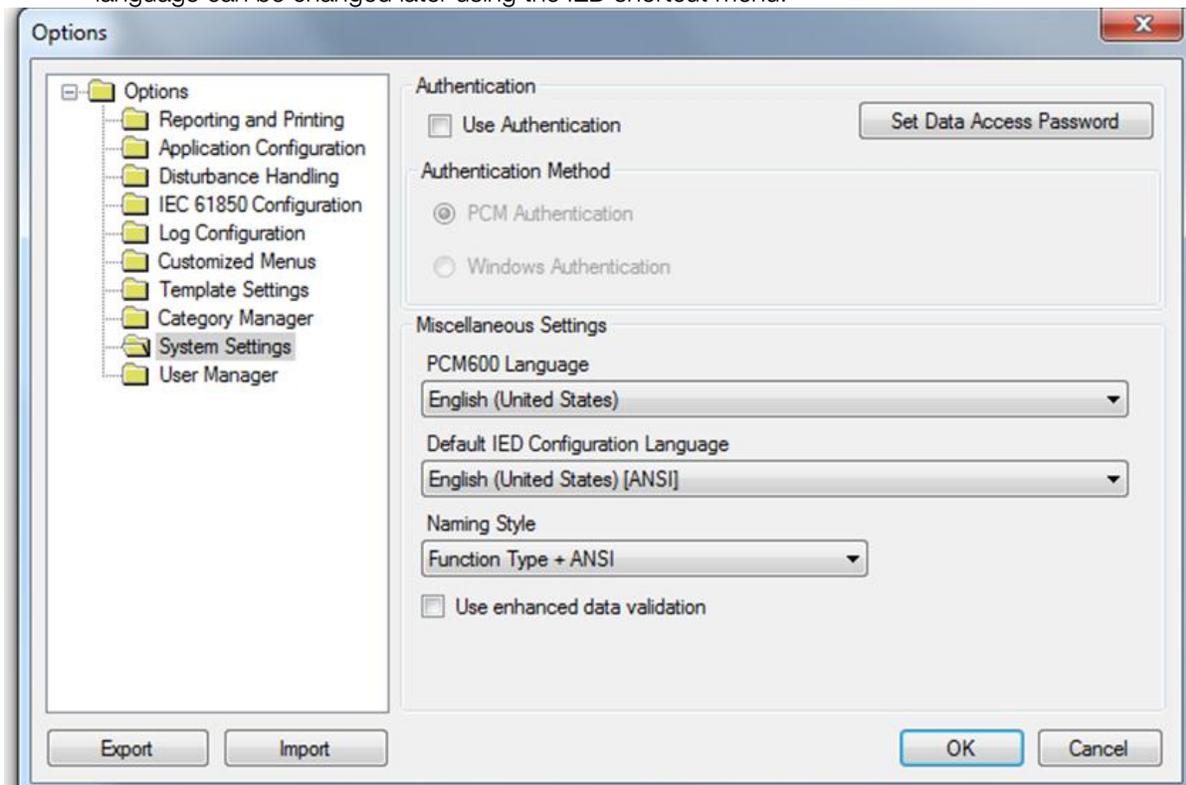
PCM600 and ABB IEDs from the 650 and 670 series support both IEC and ANSI terminology. If you work with ANSI terminology and symbols, you must install them from the DVD or Update Manager under LANGUAGE ADD-ON. This has to be done separately for 650 and 670 if you intend to use both.



Restart PCM600.

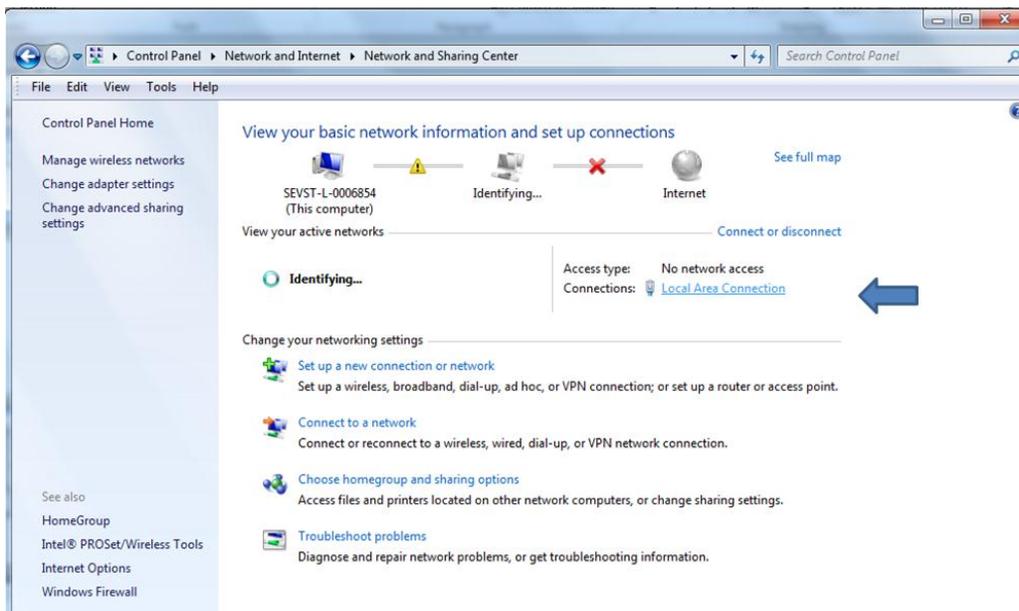
You then have to change ANSI from the default language:

1. Go to the menu bar and select TOOLS.
2. Click on OPTIONS.
3. Select SYSTEM SETTINGS. Here you can select your preferred language, including ANSI. The IED language can be changed later using the IED shortcut menu.

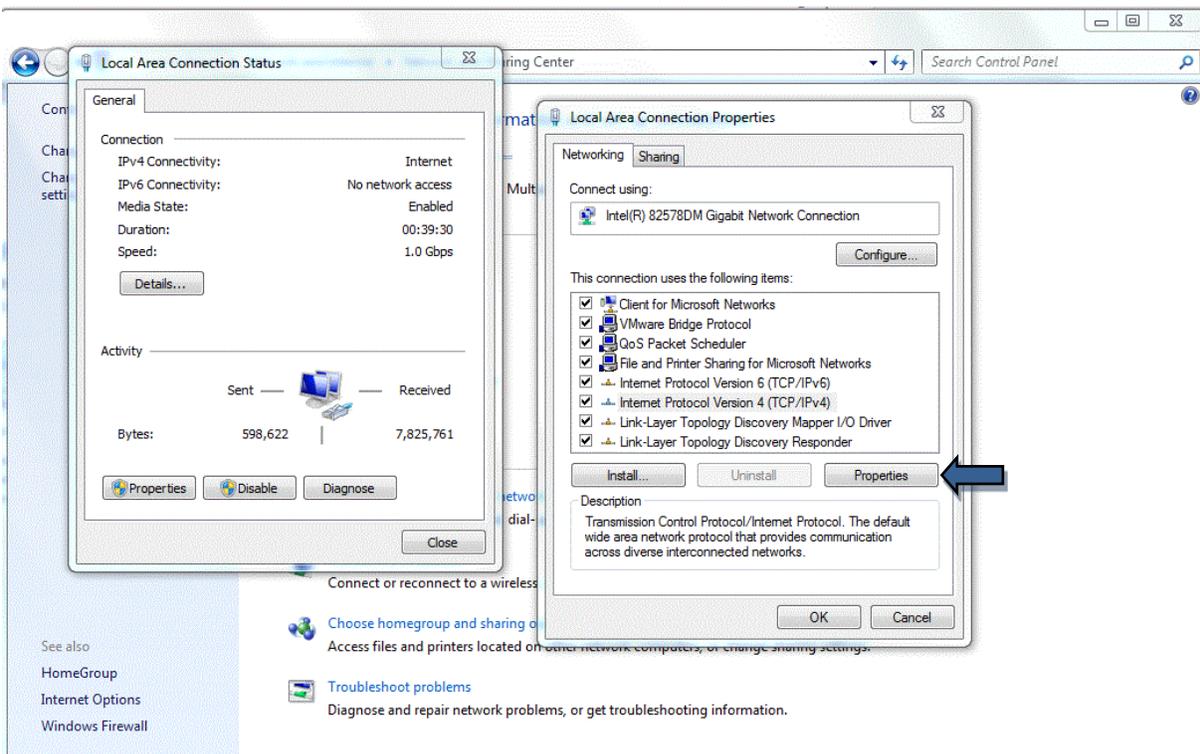


Connecting PCM600 to an IED

To establish a connection between your PC and the IED front port, you must first configure your PC using the PC CONTROL PANEL>NETWORK AND INTERNET>NETWORK AND SHARING CENTER.



1. Select LOCAL AREA CONNECTION.
2. On the LOCAL AREA CONNECTION STATUS screen, click on PROPERTIES.
3. From the list that appears, select TCP/IPV4.
4. Click on PROPERTIES.



Both 650 and 670 can be accessed via the front port (an RJ45 port) or the rear port (an ST connector). Your PC normally has one port. You have two options:

Option1: Obtain your IP address automatically in your PC

This is normally your default setting and works for 650 1.3 and 670 2.0, which support DHCP (Dynamic Host Configuration Protocol) for the front port. For 670 1.2 front port and for 650/670 rear port, you have to type in the IP address. 650 and 670 are delivered with the following default addresses:

- IED Rear port:

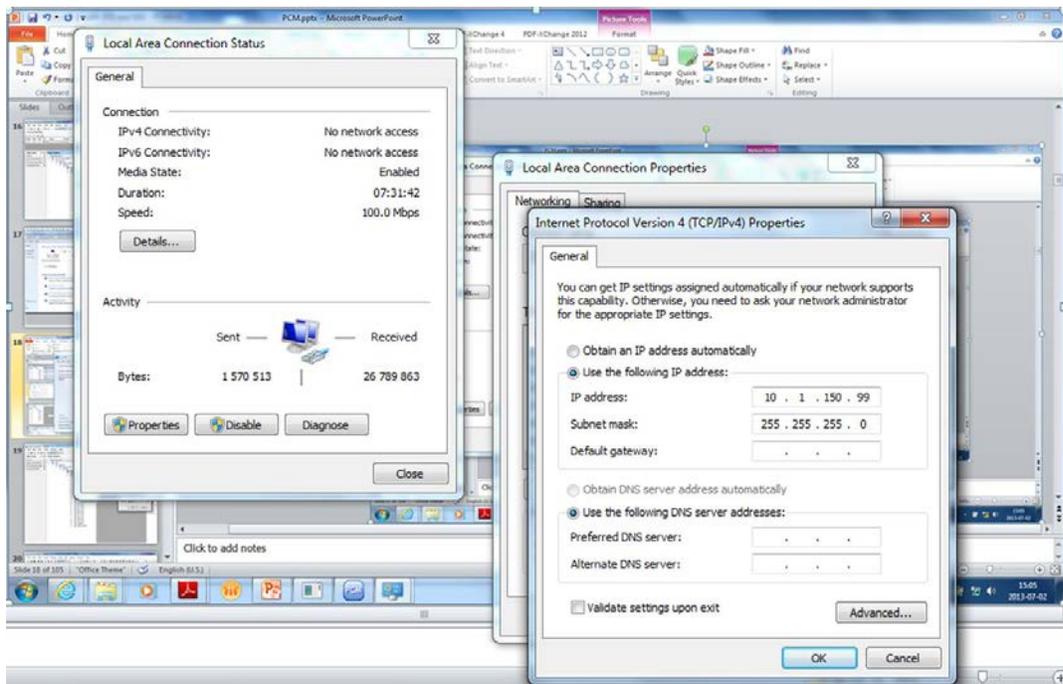
Default IP address is 192.168.1.10
Default Subnet mask is 255.255.255.0

- IED Front port:

Default IP address 10.1.150.3
Default Subnet mask is 255.255.255.0

Option 2: Connect your PC to the front port without using DHCP

In this case, you have to manually type in the correct IP address and Subnet mask. They should be identical to those used in the IED with one important difference. Do not use the same IP address for the last digit, which is 3, as default in the IED. You may use any digit between 1 and 255 except the IED value(s) (in this case 3). For example, you could use 99 as long as the IED does not include this number as the last digit.

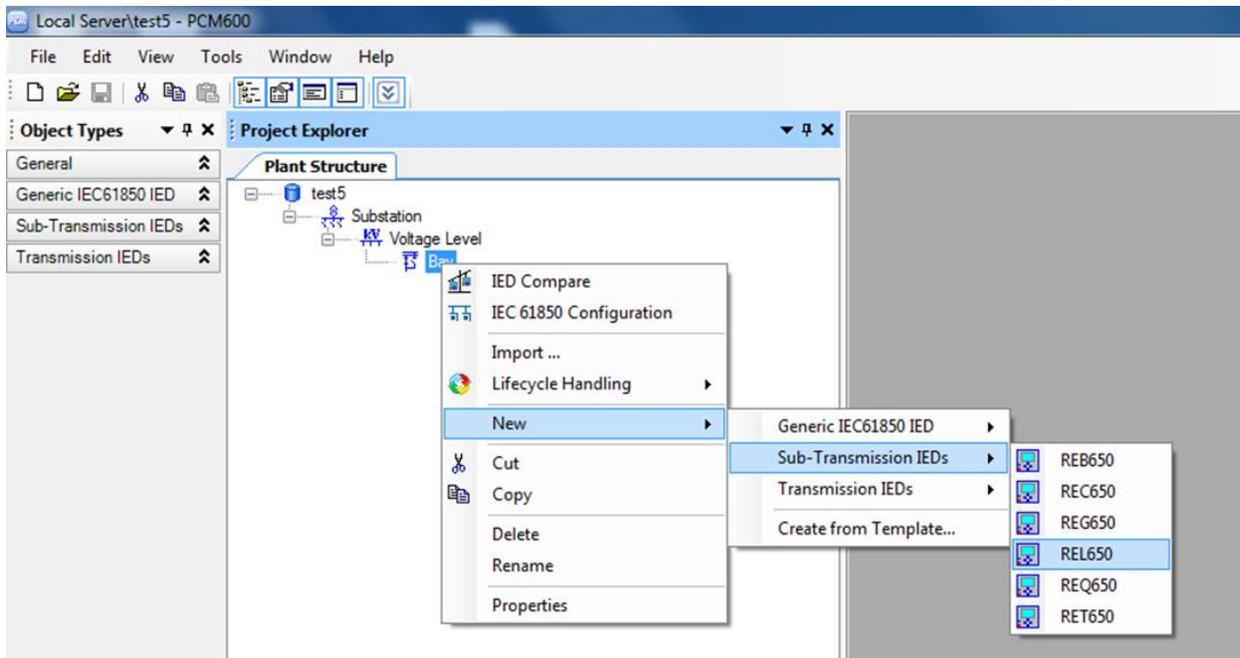


Connect to the terminal, then check the connection by typing ping 10.1.150.3 from your PC START menu, search programs, and files. If this does not work, your IED may have another address. Verify using the IED HMI.

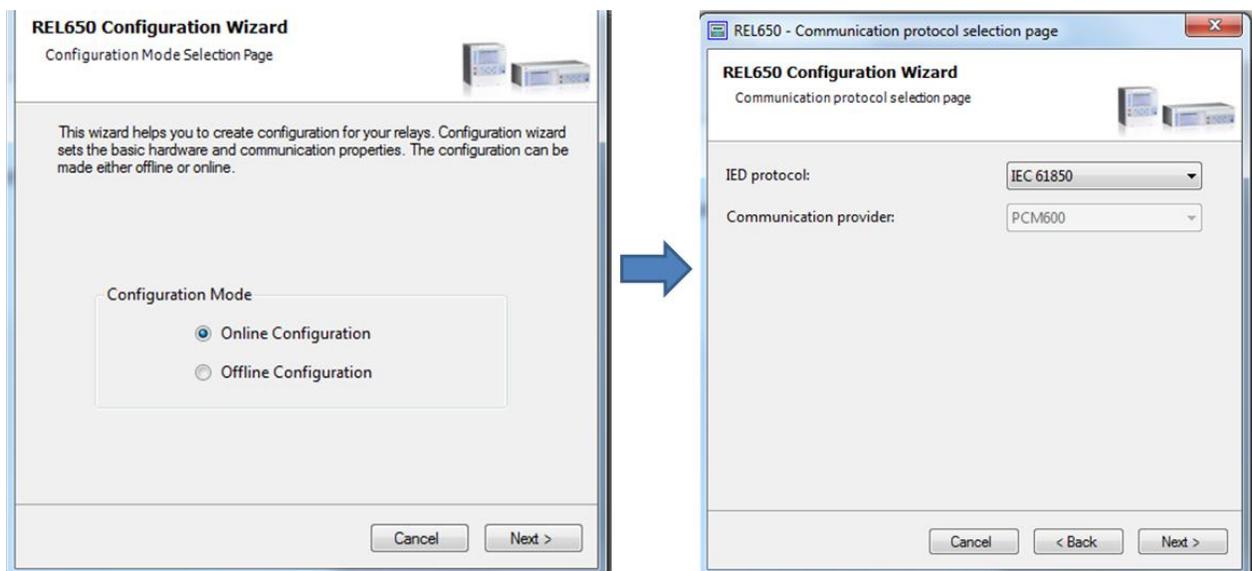
Configuring online

If you have a 650 or 670 IED available, you can directly import the configuration by connecting your PC to the IED front port.

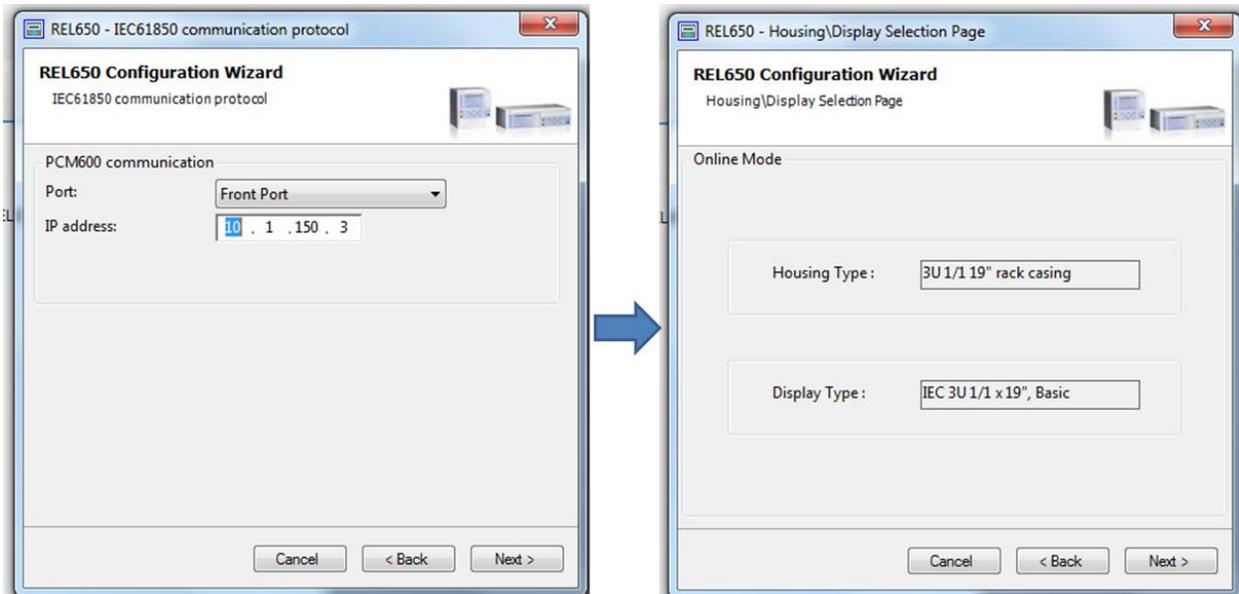
1. Create a new IED in your project as shown in the screen below.



2. The CONFIGURATION WIZARD appears. Select ONLINE CONFIGURATION>IEC61850. This IED protocol is used for the communication between the PCM600 and your IED independent of what you selected for a LAN (IEC 61850 or DNP).

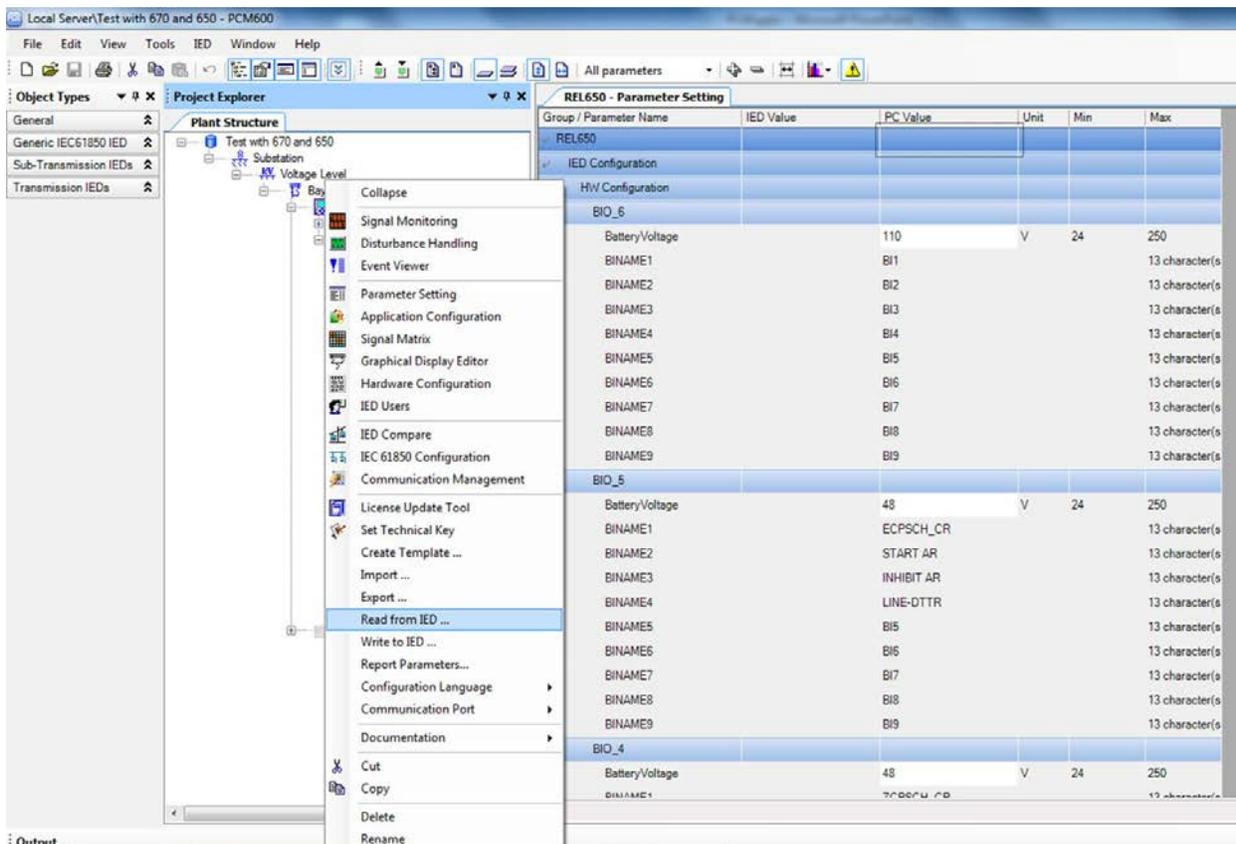


3. After establishing contact with the IED, scan it to obtain basic data.



4. Right click on the IED and select READ to obtain all information.

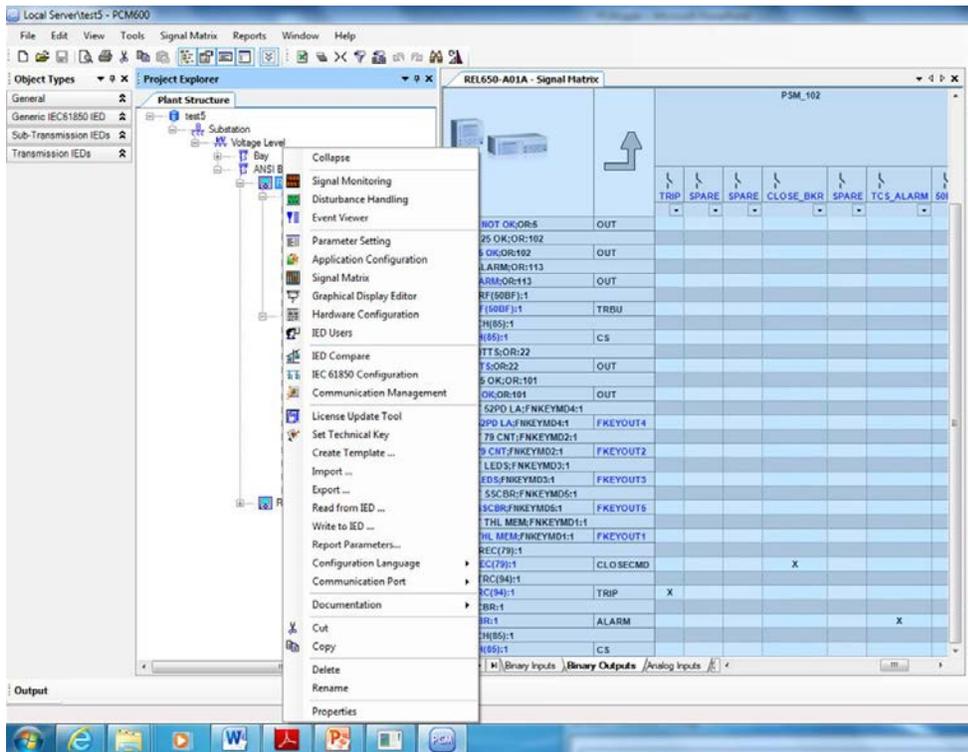
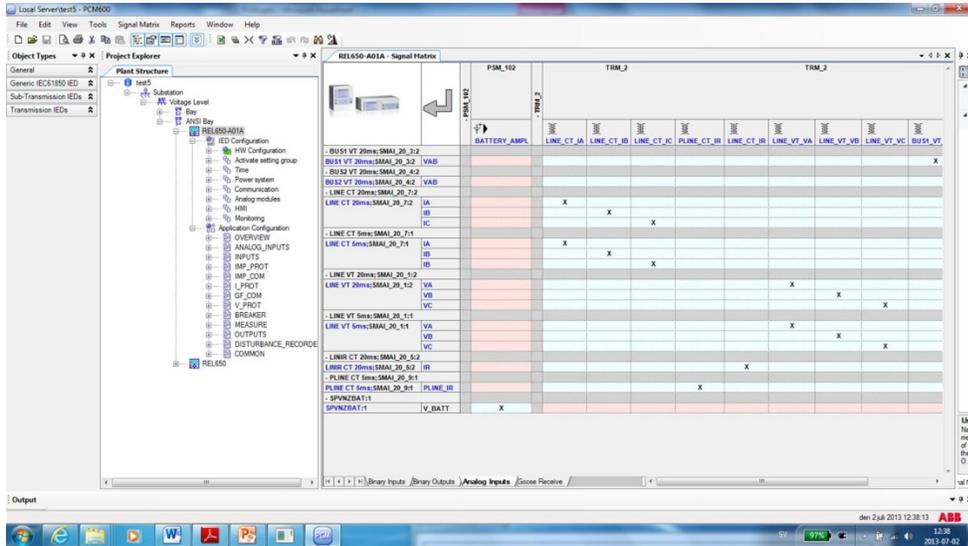
*NOTE: Values are stored as PC values.
 You may update the values later by clicking on READ FROM IED
 in the tool bar (as shown below). This procedure avoids listing incorrect PC values
 if they were modified at site from the HMI.*



Getting the most out of PCM600

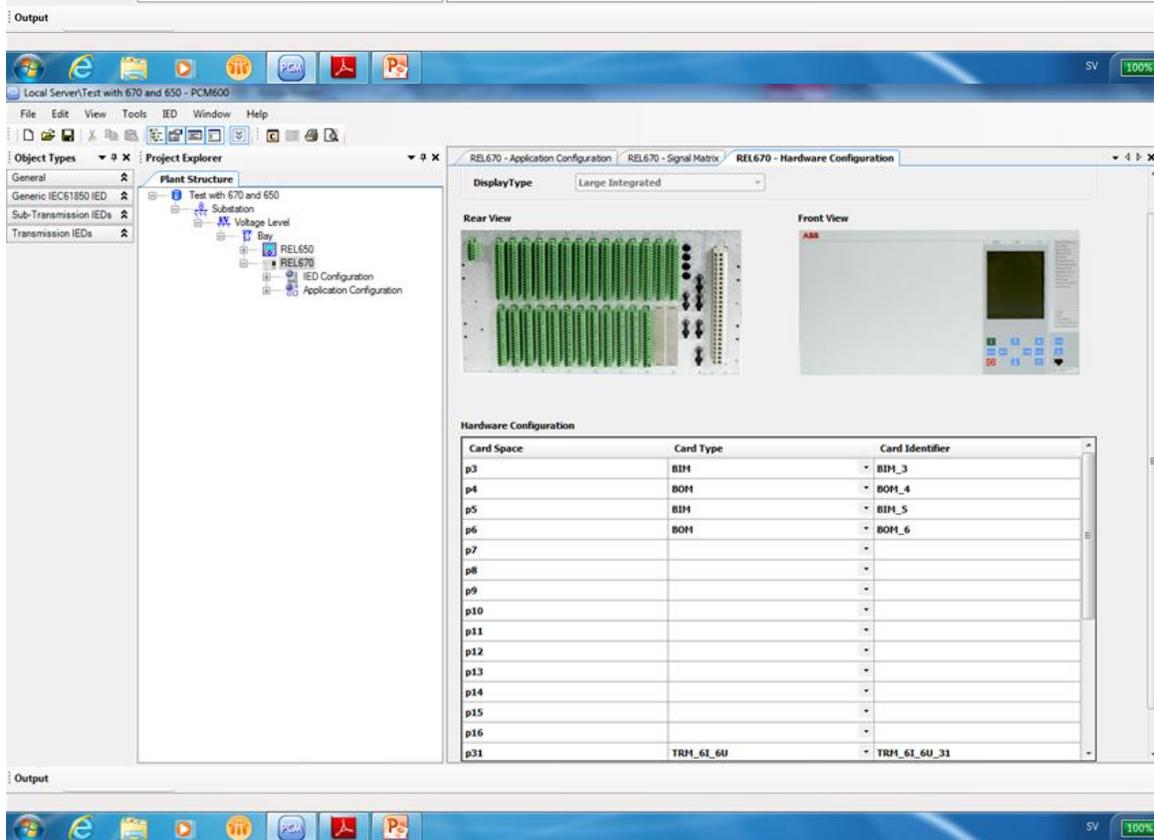
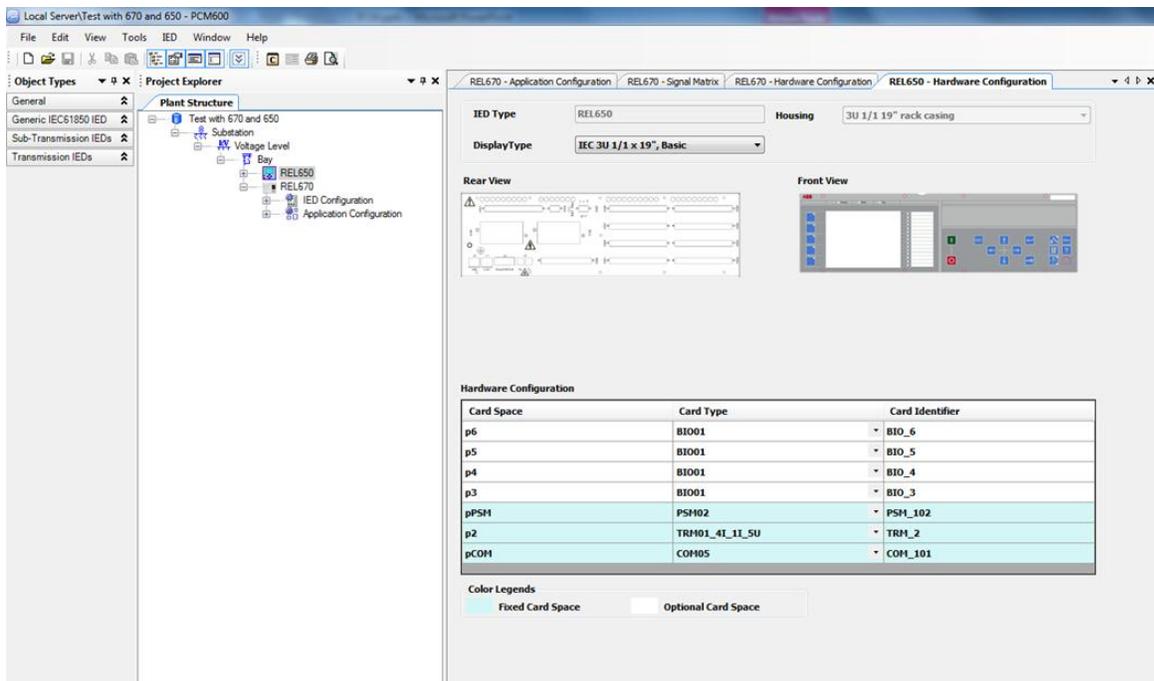
PCM600 now includes all information you need to work with your 650 and 670 application in your substation. Right click on your IED to open the menu and select what you want to do or look at.

You can for example open the signal matrix and look at analog inputs or binary outputs:

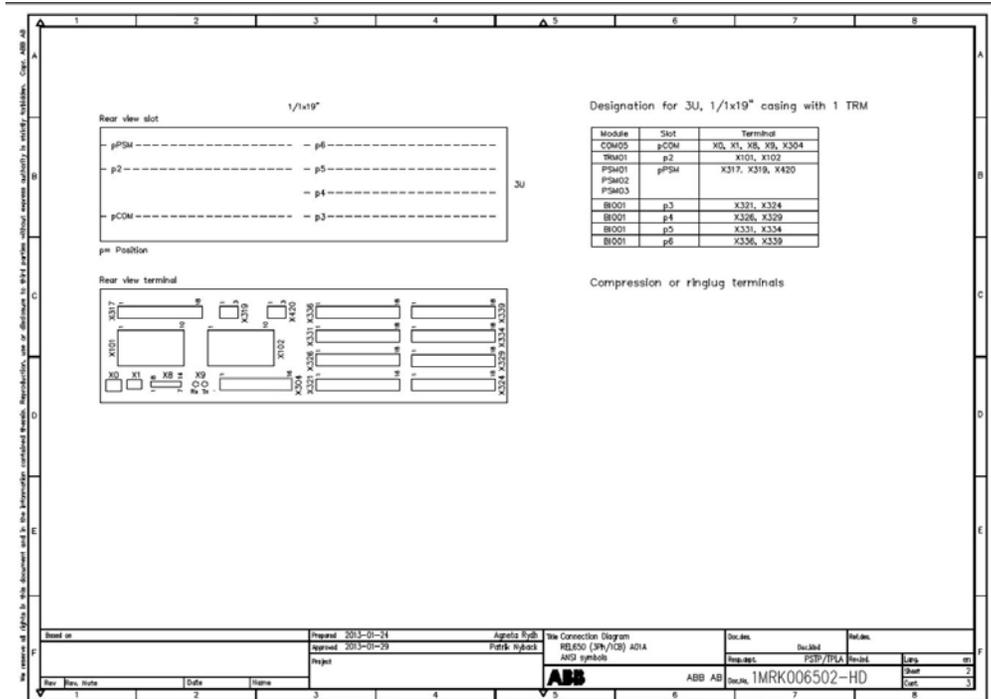


TRIP is configured to PSM 102, BO1. PSM 102 has 9 BO. Each BO is connected to two terminals; that is, BO1 is connected to terminal 1 and 2 as seen in connection diagram shown at the end of this section.

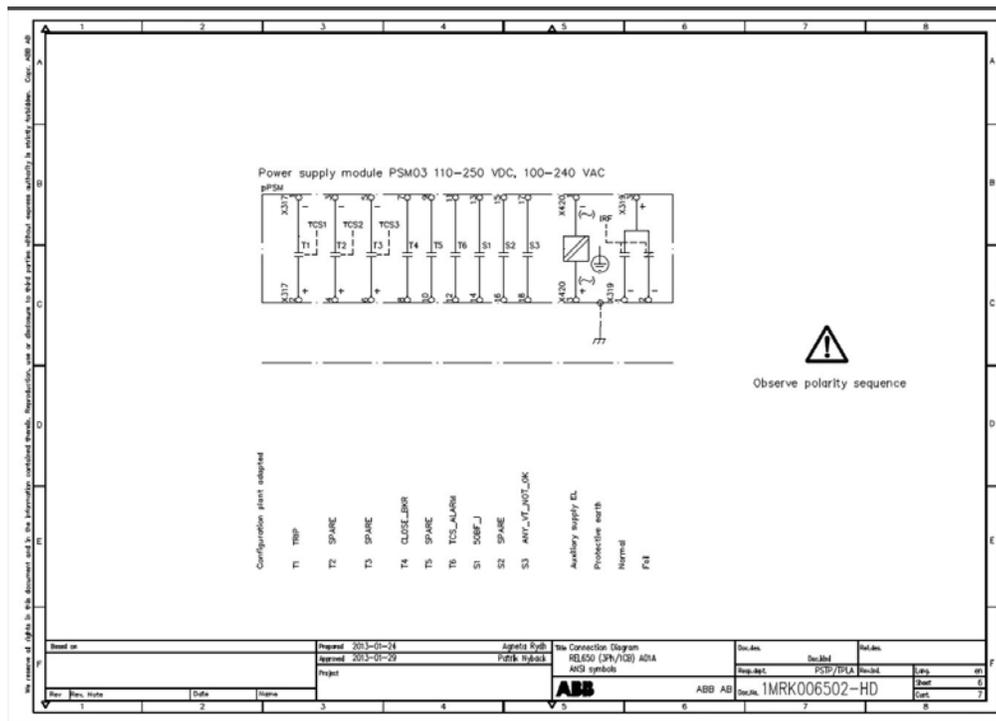
By selecting HARDWARE CONFIGURATION in the pull down menu (see screen above), you can identify the physical modules that you have installed.



You also have access to all documentation, such as connection diagrams in .pdf format, when you click on the 650 version you have chosen. As an example, the diagram below shows the rear connections of the IED. For the 670, similar information is available in the *Technical Reference Manual* under DOCUMENTATION in the pull down menu.



Rear connections of the IED



Tripping in the Power Supply Module X317 1 and 2

Using the license update tool and technical key

Using the License Update Tool

Use the LICENSE UPDATE TOOL when you have changes hardware or software options in your IED. This tool is available in the pull down menu for each IED (see screen on Page 17 or 18).

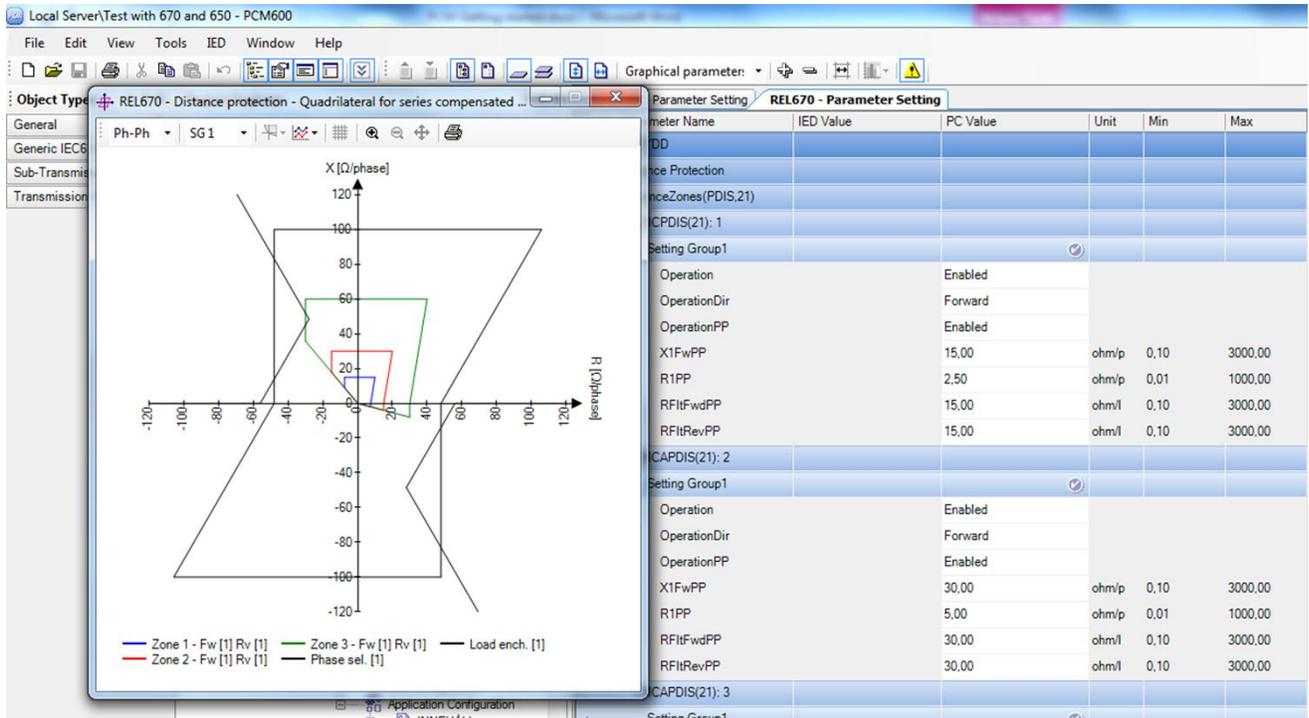
Setting the technical key for 650

Both a physical IED and an IED object in PCM600 must have a unique technical key to prevent download of a configuration to the wrong IED. In other words, you cannot use the same technical key for several IEDs in the same PCM600 project. The technical key is generated by PCM600 when you create the plant structure in your project, and it appears in the object properties window. The technical key in the IED and PCM600 must be identical; otherwise, you cannot download a configuration.

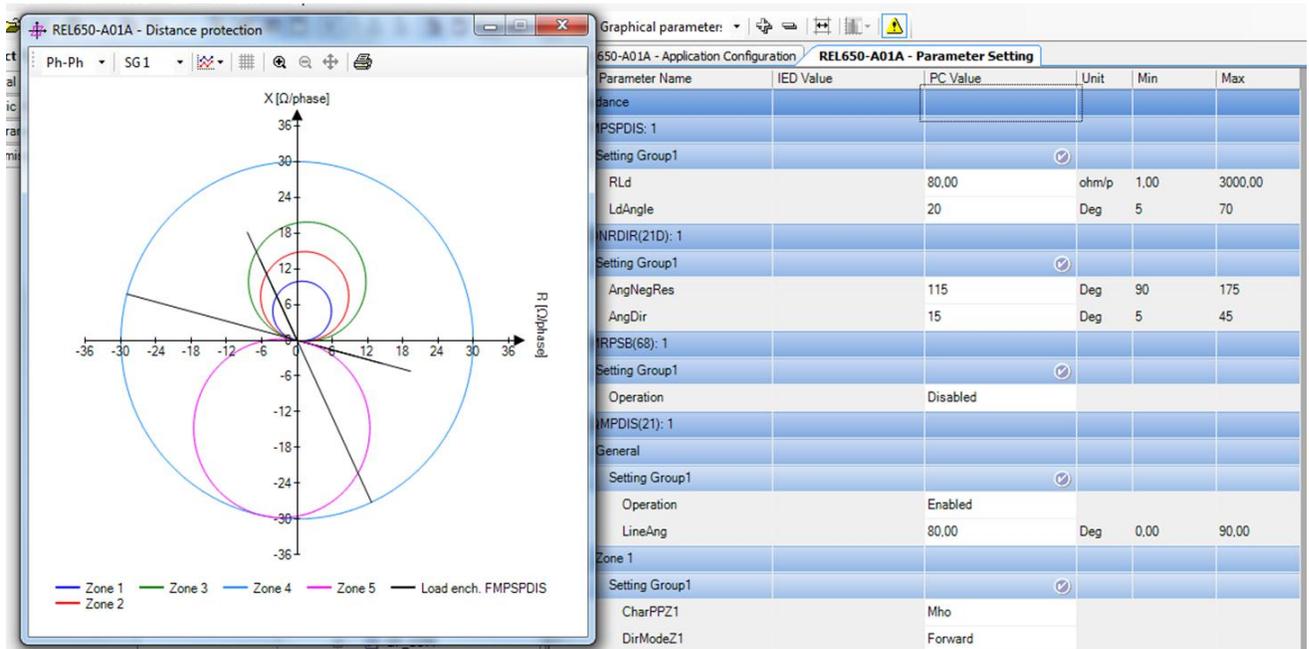
1. Right click an IED in PLANT STRUCTURE.
2. On the shortcut menu, click SET TECHNICAL KEY in IED. A dialog box opens with information about the technical key concept.
3. Click OK. The technical key is read from the IED and the SET TECHNICAL KEY dialog box opens.
4. In the SET TECHNICAL KEY dialog box, select the technical key to be used. Select one of the following alternatives:
 - Use the existing technical key in the IED.
 - Use the existing technical key defined for the IED object in PCM600.
 - Set a user-defined technical key, which changes the technical key for both the physical IED and the IED object in PCM600. The key must begin with an alphabetic character (A-Z, a-z), but the remaining characters can be alphanumeric or the underscore (A-Z, a-z, 0-9, _).
5. Click OK to confirm the selection.

An error message is displayed if the same value is already given to another IED object in the PCM600 project.

With PCM600 you can read and change all your settings. With a graphical tool you can visualize your distance protection settings. The example below shows the quadrilateral characteristics for REL670.



The following example shows the mho for REL 650.



Reading and writing parameters

In the screen below, the arrow is pointing at the icon for READ PARAMETER FROM IED, which allows you compare the information in the 650/670 relay to what is in the computer. To its right is the icon for WRITE PARAMETER TO IED, which allows you to write the information in the computer to the 650/670 relay.

Start by connecting your PC/PCM600 with your IED as described earlier. Enter PARAMETER SETTING and Impedance to check the X setting (X1FwPG) for Zone 1 of the distance protection or other suitable parameter.

The screenshot shows the 'REL670 - Parameter Setting' window. The table below represents the data shown in the interface:

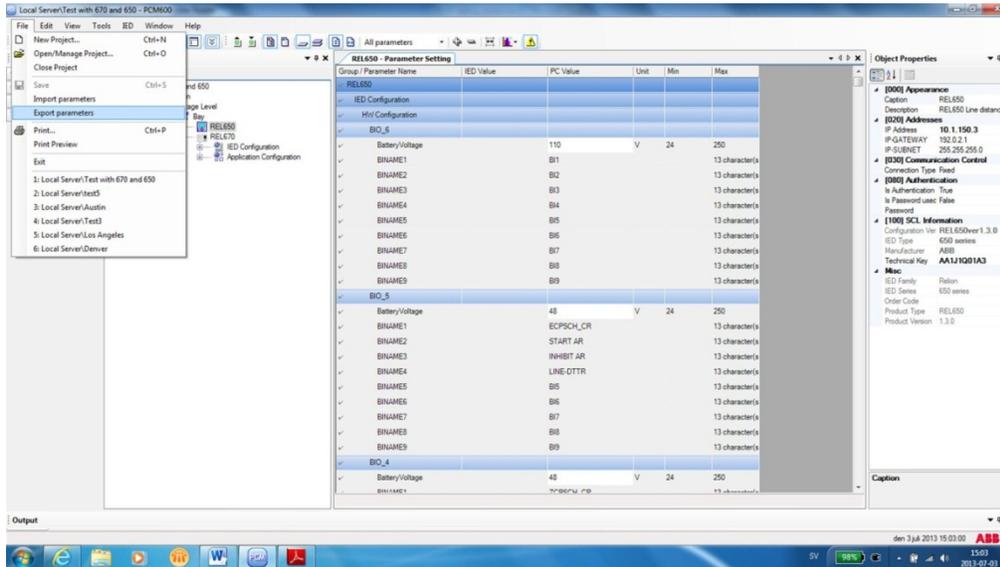
Group / Parameter Name	IED Value	PC Value	Unit	Min	Max
DistanceZones(PDIS21)					
ZMCPDIS(21): 1					
Setting Group1					
Operation	Enabled	Enabled			
Ibase	3000	3000	A	1	99999
Vbase	400.00	400.00	kV	0.05	2000.00
OperationDir	Forward	Forward			
OperationPP	Enabled	Enabled			
X1FwPP	15.00	15.00	ohm/p	0.10	3000.00
R1PP	2.50	2.50	ohm/p	0.01	1000.00
RF1FwPP	15.00	15.00	ohm/l	0.10	3000.00
X1RvPP	15.00	15.00	ohm/p	0.10	3000.00
RF1RvPP	15.00	15.00	ohm/l	0.10	3000.00
Timer iPP	Enabled	Enabled			
iPP	0.000	0.000	s	0.000	60.000
OperationPG	Enabled	Enabled			
X1FwPG	15.00	15.00	ohm/p	0.10	3000.00
R1PG	2.50	2.50	ohm/p	0.01	1000.00
XDPG	50.00	50.00	ohm/p	0.10	9000.00
ROPG	24.00	24.00	ohm/p	0.01	3000.00
RF1FwPG	50.00	50.00	ohm/l	0.10	9000.00
X1RvPG	15.00	15.00	ohm/p	0.10	3000.00
RF1RvPG	50.00	50.00	ohm/l	0.10	9000.00
Timer iPG	Enabled	Enabled			
iPG	0.000	0.000	s	0.000	60.000
IMaxPUPP	10	10	%IB	10	1000
IMaxRvPG	10	10	%IB	10	1000
IMaxCPD	ε	ε	%IB	ε	1000

In this example, the X setting is 15 ohms. Go to the IED HMI and enter the setting for group 1, Zone 1, and change the X setting to 16 ohms (or another value). Ensure that the change is saved and that HMI is reset to start. Then upload the parameters to PCM600 again. The change is seen in bold text below.

The screenshot shows the 'REL670 - Parameter Setting' window after the update. The 'X1FwPP' value is now 16.00, highlighted with a red circle:

Group / Parameter Name	IED Value	PC Value	Unit	Min	Max
DIST_SKYDD					
Impedance Protection					
DistanceZones(PDIS21)					
ZMCPDIS(21): 1					
Setting Group1					
Operation	Enabled	Enabled			
Ibase	3000	3000	A	1	99999
Vbase	400.00	400.00	kV	0.05	2000.00
OperationDir	Forward	Forward			
OperationPP	Enabled	Enabled			
X1FwPP	16.00	15.00	ohm/p	0.10	3000.00
R1PP	2.50	2.50	ohm/p	0.01	1000.00
RF1FwPP	15.00	15.00	ohm/l	0.10	3000.00
X1RvPP	15.00	15.00	ohm/p	0.10	3000.00
RF1RvPP	15.00	15.00	ohm/l	0.10	3000.00
Timer iPP	Enabled	Enabled			
iPP	0.000	0.000	s	0.000	60.000
OperationPG	Enabled	Enabled			
X1FwPG	15.00	15.00	ohm/p	0.10	3000.00
R1PG	2.50	2.50	ohm/p	0.01	1000.00
XDPG	50.00	50.00	ohm/p	0.10	9000.00
ROPG	24.00	24.00	ohm/p	0.01	3000.00
RF1FwPG	50.00	50.00	ohm/l	0.10	9000.00
X1RvPG	15.00	15.00	ohm/p	0.10	3000.00
RF1RvPG	50.00	50.00	ohm/l	0.10	9000.00
Timer iPG	Enabled	Enabled			
iPG	0.000	0.000	s	0.000	60.000
IMaxPUPP	10	10	%IB	10	1000
IMaxRvPG	10	10	%IB	10	1000
IMaxCPD	ε	ε	%IB	ε	1000

All the relevant data for a device to be tested can be exported to a file in the standard XRIO (eXtended Relay Interface by OMICRON) format. This means that test systems and other software using XRIO can process the information. Select EXPORT PARAMETERS in the PCM600 FILE menu.



You can also print out your settings by selecting the PRINT option in the PCM600 FILE menu.

Group / Parameter Name	IED Value	PC Value	Unit	Min	Max
Settings					
DIST_SKYDD					
Impedance Protection					
DistanceZones(PDIS,21)					
ZMCPDIS(21): 1					
Setting Group1					
Operation	Enabled	Enabled			
IBase	3000	3000	A	1	99999
VBase	400,00	400,00	kV	0,05	2000,00
OperationDir	Forward	Forward			
OperationPP	Enabled	Enabled			
X1FwPP	16,00	16,00	ohm/p	0,10	3000,00
R1PP	2,50	2,50	ohm/p	0,01	1000,00
RfIFwdPP	15,00	15,00	ohm/l	0,10	3000,00
X1RvPP	15,00	15,00	ohm/p	0,10	3000,00
RfIRvPP	15,00	15,00	ohm/l	0,10	3000,00
Timer tPP	Enabled	Enabled			
tPP	0,000	0,000	s	0,000	60,000
OperationPG	Enabled	Enabled			
X1FwPG	15,00	15,00	ohm/p	0,10	3000,00
R1PG	2,50	2,50	ohm/p	0,01	1000,00
XOPG	50,00	50,00	ohm/p	0,10	9000,00
ROPG	24,00	24,00	ohm/p	0,01	3000,00
RfIFwdPG	50,00	50,00	ohm/l	0,10	9000,00
X1RvPG	15,00	15,00	ohm/p	0,10	3000,00
RfIRvPG	50,00	50,00	ohm/l	0,10	9000,00
Timer tPG	Enabled	Enabled			
tPG	0,000	0,000	s	0,000	60,000
IMinPUPP	10	10	%IB	10	1000
IMinPUPG	10	10	%IB	10	1000
IMinOpIR	5	5	%IB	5	1000
ZMCAPDIS(21): 2					
Setting Group1					
Operation	Enabled	Enabled			

Export and import a project

Exporting projects

Exporting a project enables you to transfer project data between systems using different media; for instance, on CD-ROM. The source and target computers do not have to be connected to the same network. Thus, data can be transferred between two stand-alone computers. All project-related data is compressed and saved to one file, which is named and located according to the definitions.

1. On the FILE menu, click OPEN>MANAGE PROJECT.
2. Select the project from the CURRENTLY AVAILABLE PROJECTS box.
3. Right click the project to open the pull down menu.
4. Select EXPORT PROJECT from the shortcut menu to open the CREATE target file for the EXPORT PROJECT dialog box.
5. Browse the target location and type the name for the exported file.

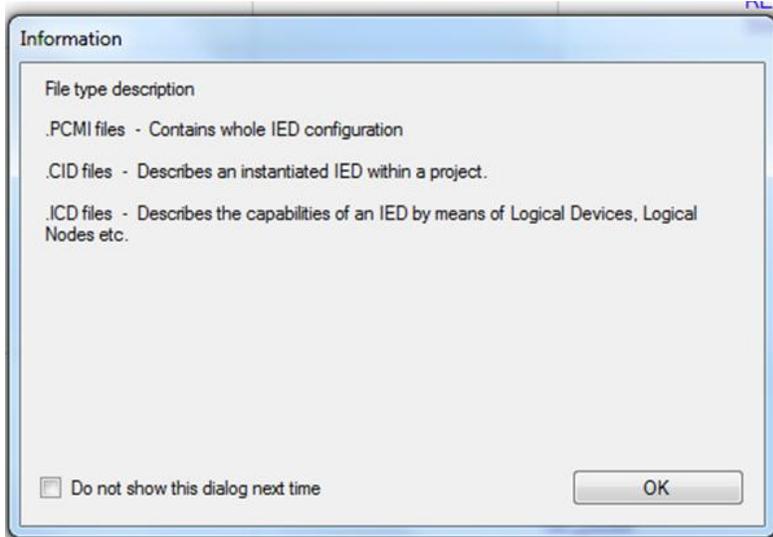
Importing projects

Importing a project enables transferring project data between systems using different media; for instance, on CD-ROM. The source and target computers do not have to be connected to the same network. Thus, data can be transferred between two stand-alone computers.

1. On the FILE menu, click OPEN>MANAGE PROJECT.
2. Select PROJECTS ON MY COMPUTER.
3. On the pull down menu, click IMPORT to open the IMPORT PROJECT dialog box.
4. Browse the location and type the name for the imported file. A new project is created containing all data from the imported file.

Store a template or configuration

You can export your IED from the pulldown menu as an .icd or .cid file (IEC61850 projects only) and as a .pcmi configuration file that you can reuse later.



Within the same project you can copy and paste IEDs from the pulldown menu. You can also create a template (.pcmt) file, which can be reused in other projects.

1. OpenPCM600 and create a project as described earlier.
2. Select NEW>CREATE FROM TEMPLATE.
3. Select IMPORT TEMPLATE and browse the CONFIGURATIONS folder on the DVD.
4. Select the template file and then press OPEN.
5. The template is installed and can be used byPCM600.

By default, IED project templates are saved under C:\PCM600DataBases\Templates\PCM600600.

Help and additional information

This *PCM Quick Start Guide* is an overview on how to manage 650 and 670 series IEDs with PCM600. For detailed information, refer to the relevant documentation available on the PCM600 CD, IED Connect DVD, the ABB Library, and the Update Manager. You may also consult YouTube tutorials on PCM600. Search for “Youtube ABB PCM600” for tutorials, such as this tutorial on installation: <http://www.youtube.com/watch?v=PN16LUneHqQ>.

If you have questions or need further assistance, contact your ABB representative.

Notes

Notes

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