FAQ for Control Engineering

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Update of the Module Catalog in the SIMATIC Manager

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FAQ

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History

Version	Date	Modification
V 1.0	11.09.2008	First issue

This article is taken from the Internet offer of Siemens AG, Automation and Drives, Service & Support. The following link takes you directly to the download page of this document.

http://support.automation.siemens.com/WW/view/en/29594775

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1 Instruction for Updating the Module Catalog in the Editor of the HW Configuration

Purpose of this instruction

This instruction gives you the procedure of how to update the module catalog in the SIMATIC Manager with the latest modules and module data.

1.1 Background information on the module catalog in the HW Configuration

STEP 7 receives its information on the modules from the module catalog of the HW Config.
This module catalog lists all modules which were up to date at the time of publication of the STEP 7 basic package.

1.2 The following files are available to you for updating the module catalog

- **HSP** file (Hardware Support Package):
  The HSP-files describe the properties of the SIMATIC modules which are applied centrally or at the PROFIBUS/PROFINET.

- **GSD** file (General Station Description):
  The GSD file contains device descriptions for modules working at PROFIBUS.
  The user organization (PNO) specifies the structure of the GSD data.

- **GSD** file (General Station Description Markup Language):
  The GSDML file contains device descriptions for modules working at PROFINET.
  The user organization (PNO) specifies the structure of the GSDML data.

No internet access ?

If your PC/Notebook with the SIMATIC Manager does not have an internet access, you can also download the data as a zip-file via a PC with internet connection and use them on the target computer.

How to do this is available at this link:

http://support.automation.siemens.com/WW/view/en/22374877

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1.3   Updating the module catalog with the HSP file

Downloading the HSP file from the internet

Table 1-1

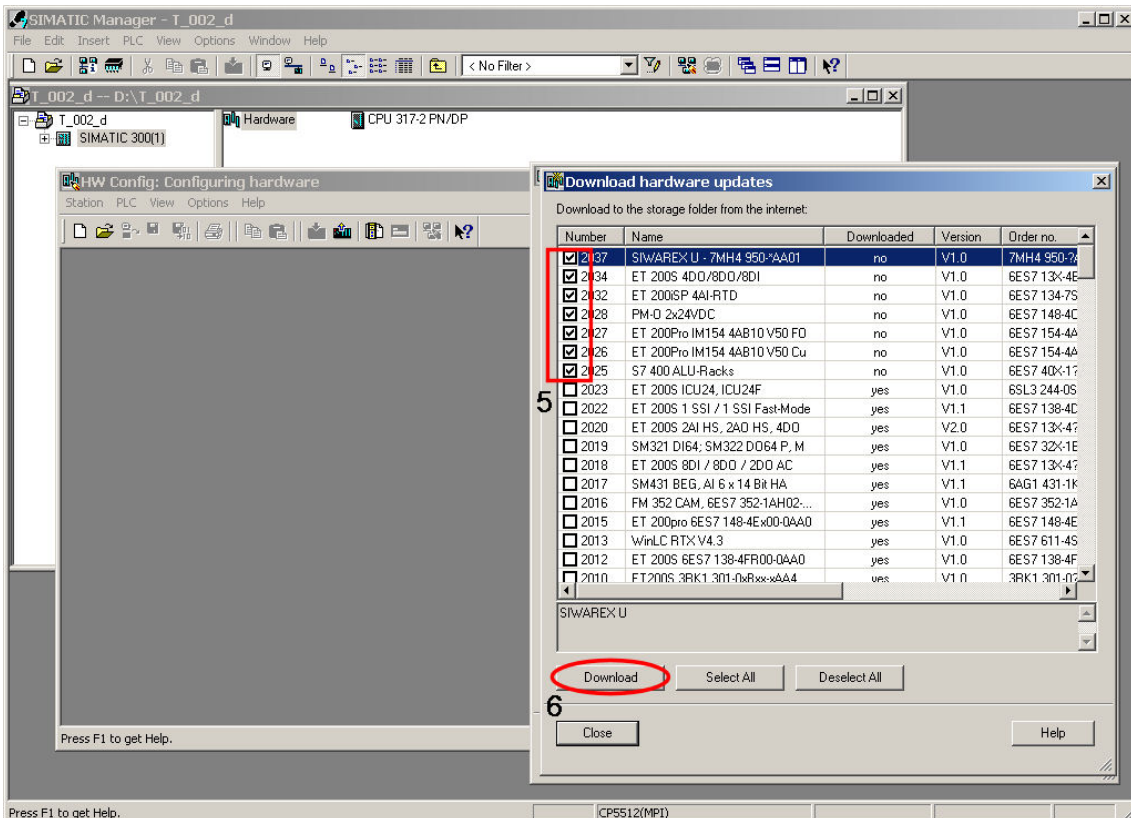| Step	Instruction
1	In SIMATIC Manager you open the "HW-Config" by double-clicking "Hardware".
2	In the "HW Config" window under "Extras" you select "Install HW Updates..." .
3	In the "Install HW Updates" window, via the "Settings..." button, you can see the entered Internet address as well as the selected folder for the HW-Update.
4	To start the download you click the "Execute..." button in the "Install HW Updates" window.

Figure 1-1
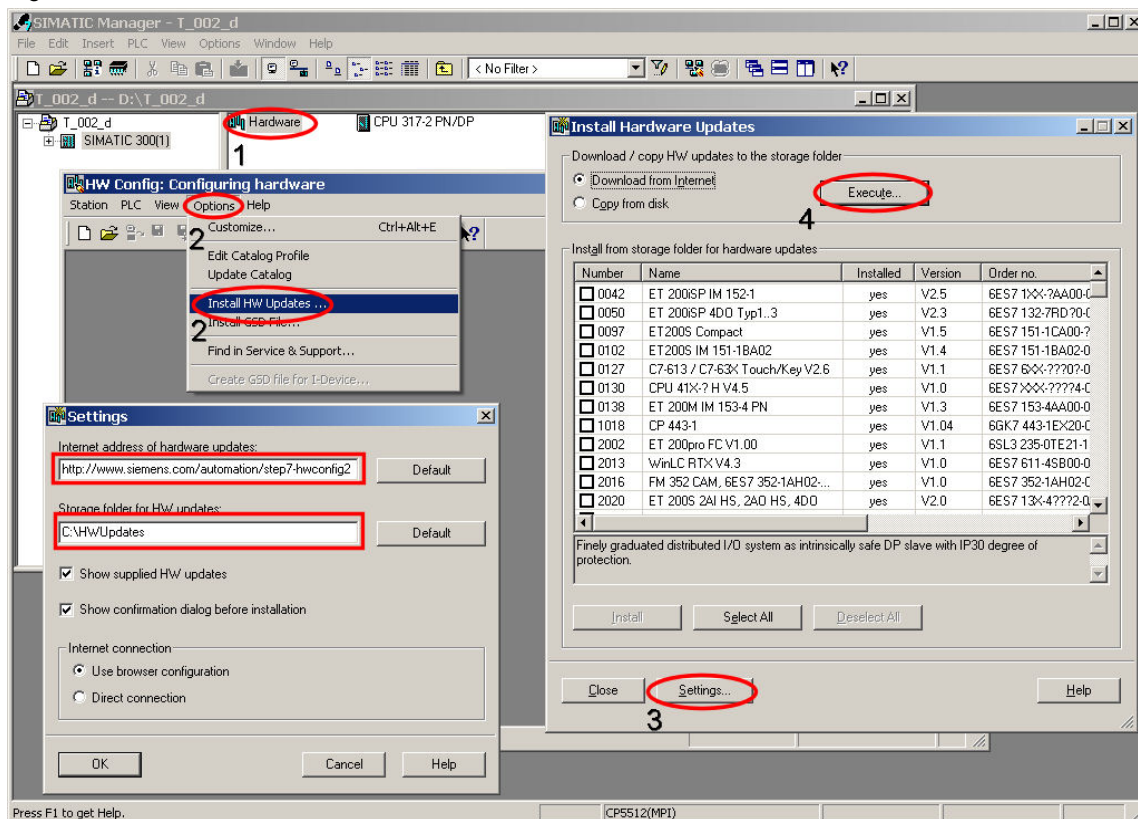
Selection of the required HSP files

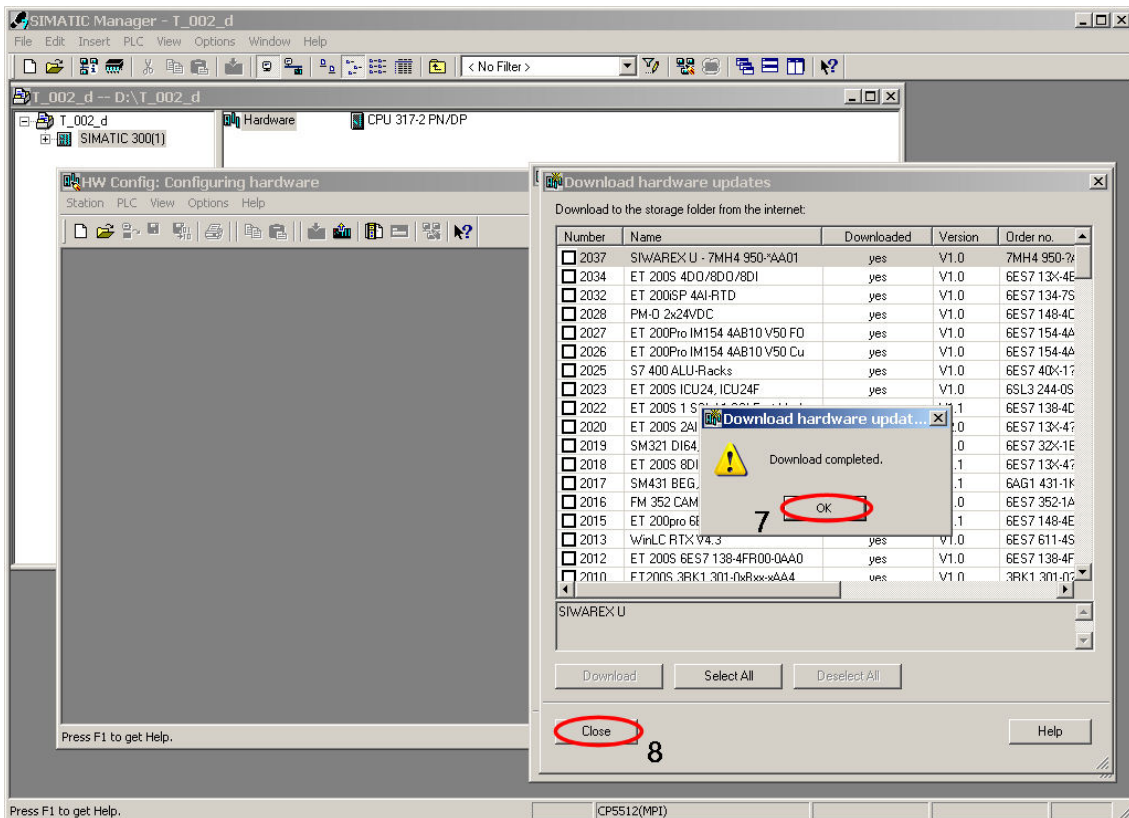| Step	Instruction
5	Now you select the desired files by checkmarking the respective modules.
6	Start the download process of the HSP files with a click on the "Download" button.

Figure 1-2

Completing the download of the HSP files from the internet

Step	Instruction
7	Close the window with the "Download completed" message.
8	Close the "Download HW-Updates" window

Figure 1-3

Installation of HW updates in the module catalog

Step	Instruction
9	Now you select the desired updates from storage folder the by checkmarking the respective modules.
10	Start the installation process by clicking the "Install" button.
11	Acknowledge the message in the "Confirm Installation of HW Updates" message window by clicking the "Yes" button.

Figure 1-4
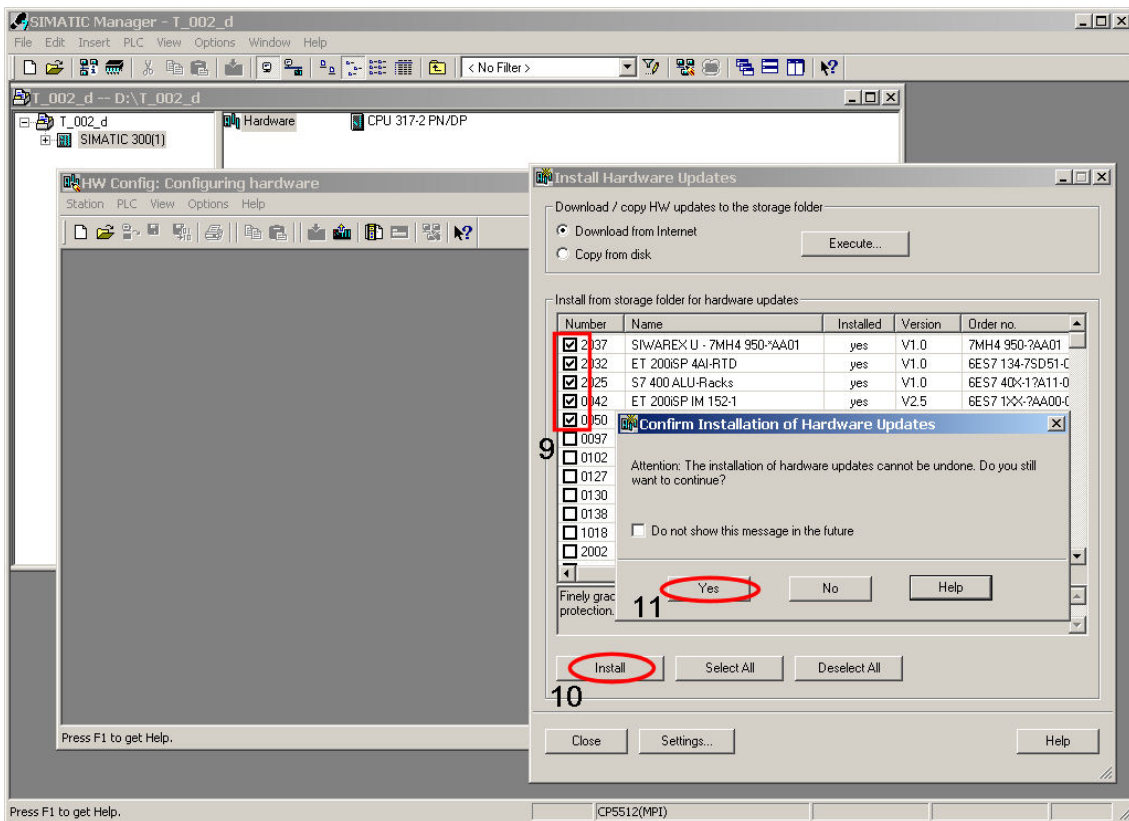
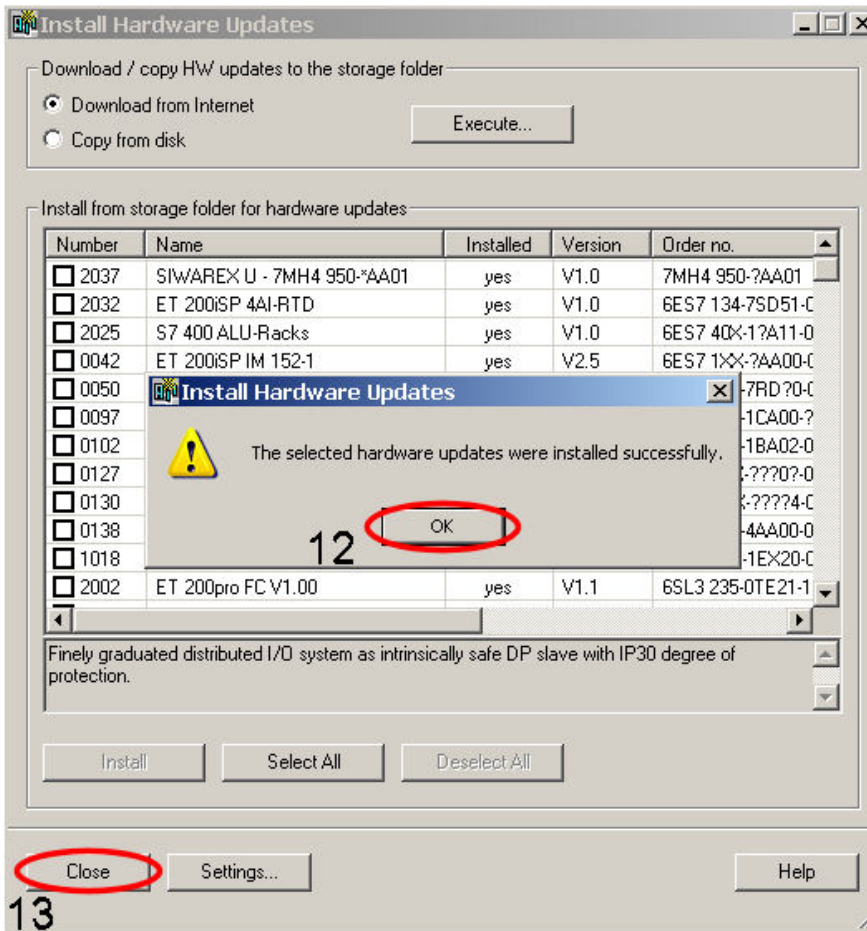| Note	Upon pressing the "Yes" button all STEP 7 applications are automatically closed, only the "Install HW Updates" function remains active.

Completing the update with the HSP files

Step	Instruction
12	Close the message window by clicking the OK button.
13	The update process is completed by closing the "Install HW Updates" window.

Figure 1-5

Note   The SIMATIC Manager must now be restarted to use the update.

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1.4 Updating the module catalog with the GSD file for PROFIBUS slaves

Prerequisite:

The GSD files for PROFIBUS are available unzipped in the directory of the PC/notebook.

Installation of the current GSD file for PROFIBUS slaves
Table 1-2

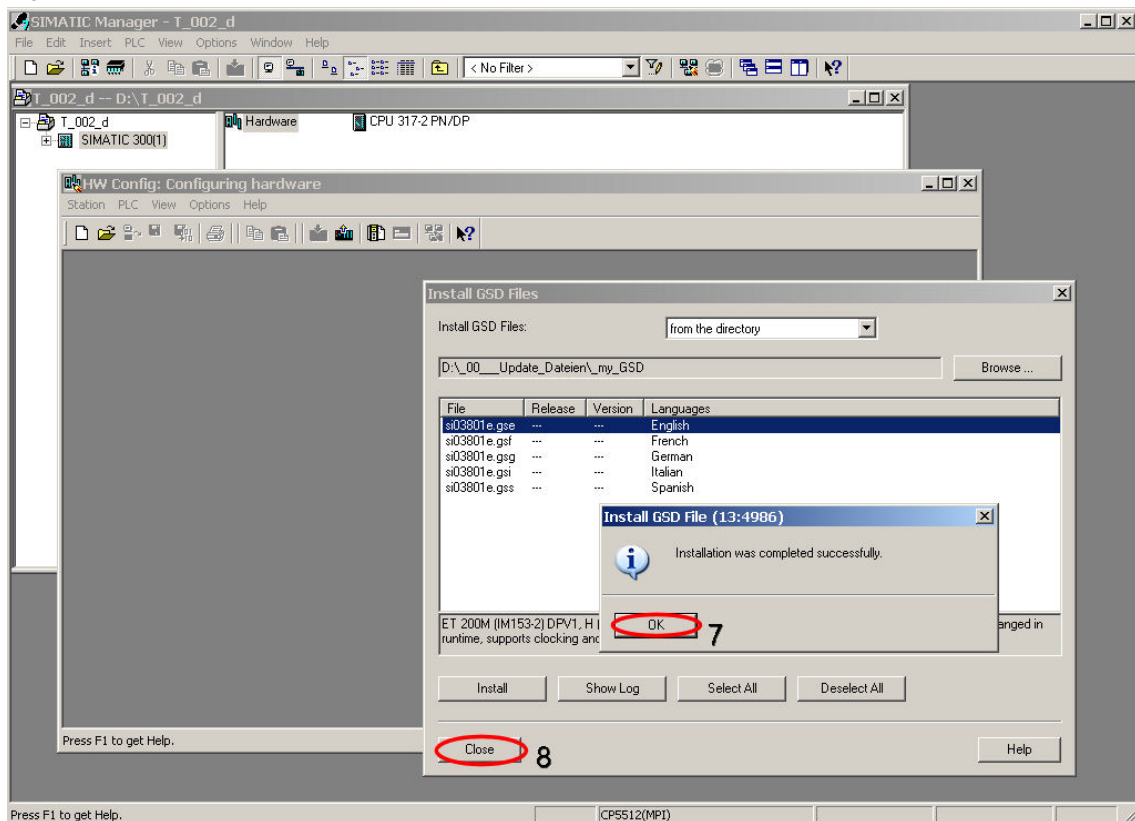| Step	Instruction
1	In SIMATIC Manager you open the "HW-Config" by double-clicking "Hardware".
2	In the "Extras" dropdown menu you select the "Install GSD File..."
3	In the "Install GSD File" window you specify where the GSD file is located.
4	There you select the desired GSD PROFIBUS file. (language dependent)
5	Start the update via the "Install" button
6	Acknowledge the "Confirm Installation of GSD File" information by clicking the "Yes" button.

Figure 1-6
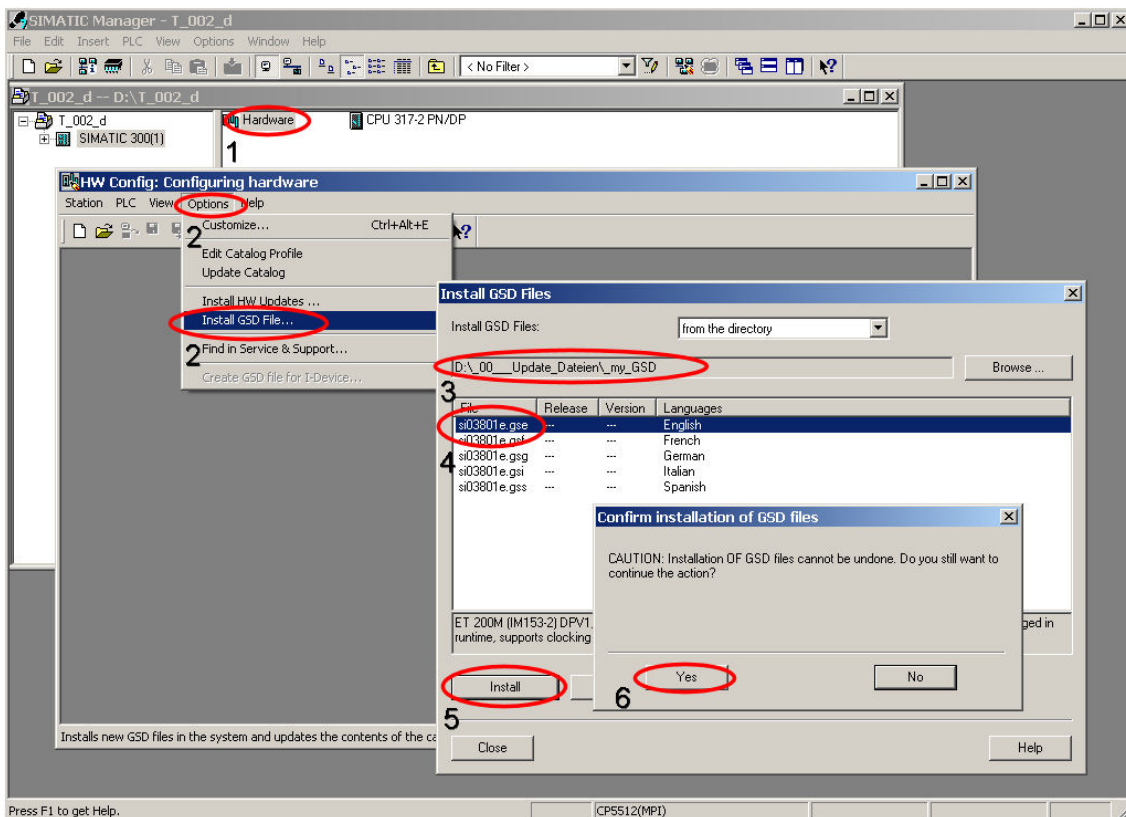
Completing the update with the GSD PROFIBUS data

| Step	Instruction
7	Close the message window by clicking the OK button.
8	The update process is completed by closing the "Install GSD File" window.

Figure 1-7

1.5 Finding the GSD-based devices in the directory of the module catalog

Table 1-3

Step	Instruction
1	Select the module catalog in HW Config.
2	Select the "PROFIBUS-DP" directory
3	In this directory you find the "Additional Field Devices" folder in which you find the module which you have just read in.

Figure 1-8
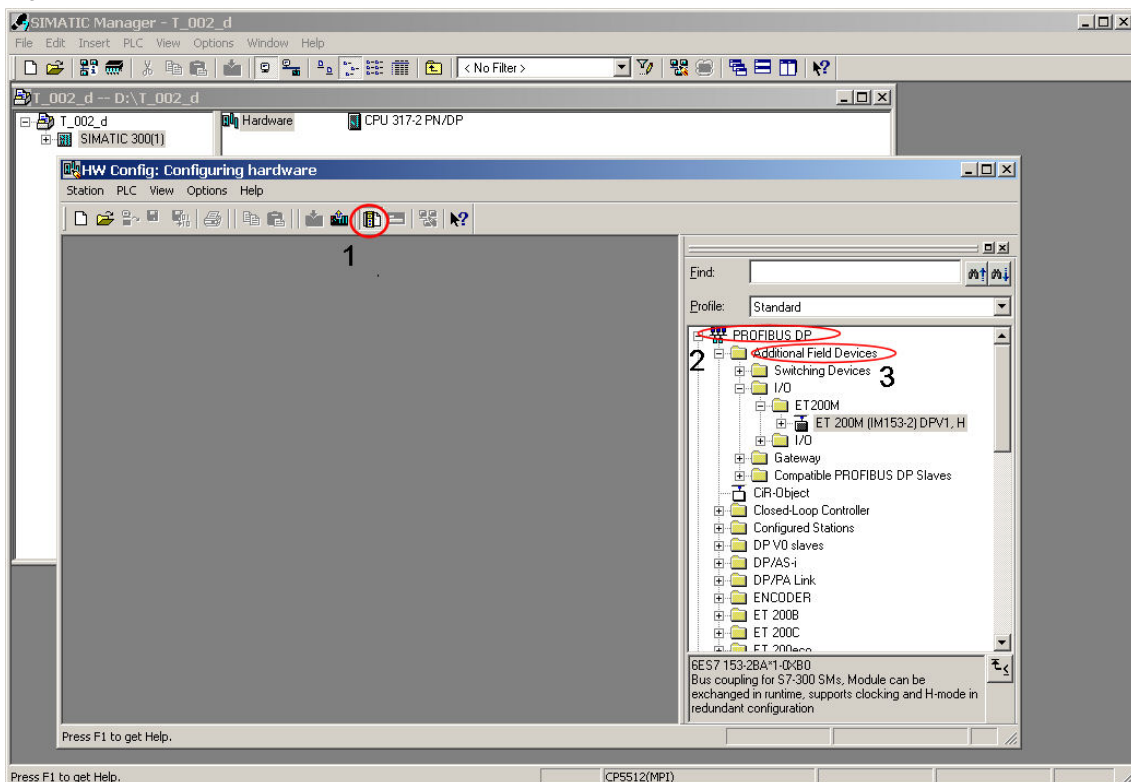
## 1.6 Updating the module catalog with the GSDML files for PROFINET devices

Prerequisite:
The GSDKL PROFINET files are available unzipped in the directory of the PC/Notebook.

Installation of the current GSDML files for PROFINET devices

Table 1-4

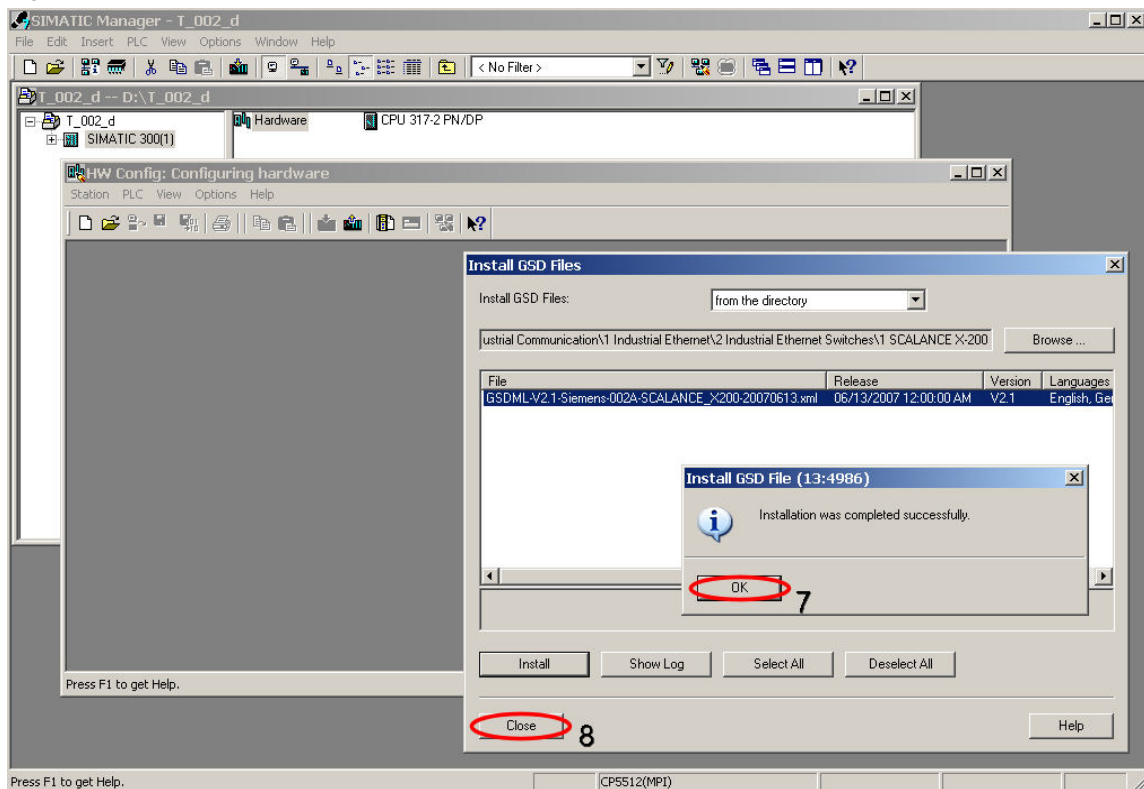| Step	Instruction
1	In SIMATIC Manager you open the "HW-Config" by double-clicking "Hardware".
2	In the "Extras" dropdown menu you select the "Install GSD File..."
3	In the "Install GSD File" window you specify where the GSDML file is located.
4	There you select the desired GSDML PROFINET file.
5	Start the update via the "Install" button
6	Acknowledge the "Confirm Installation of GSD File" information by clicking the "Yes" button.

Figure 1-9
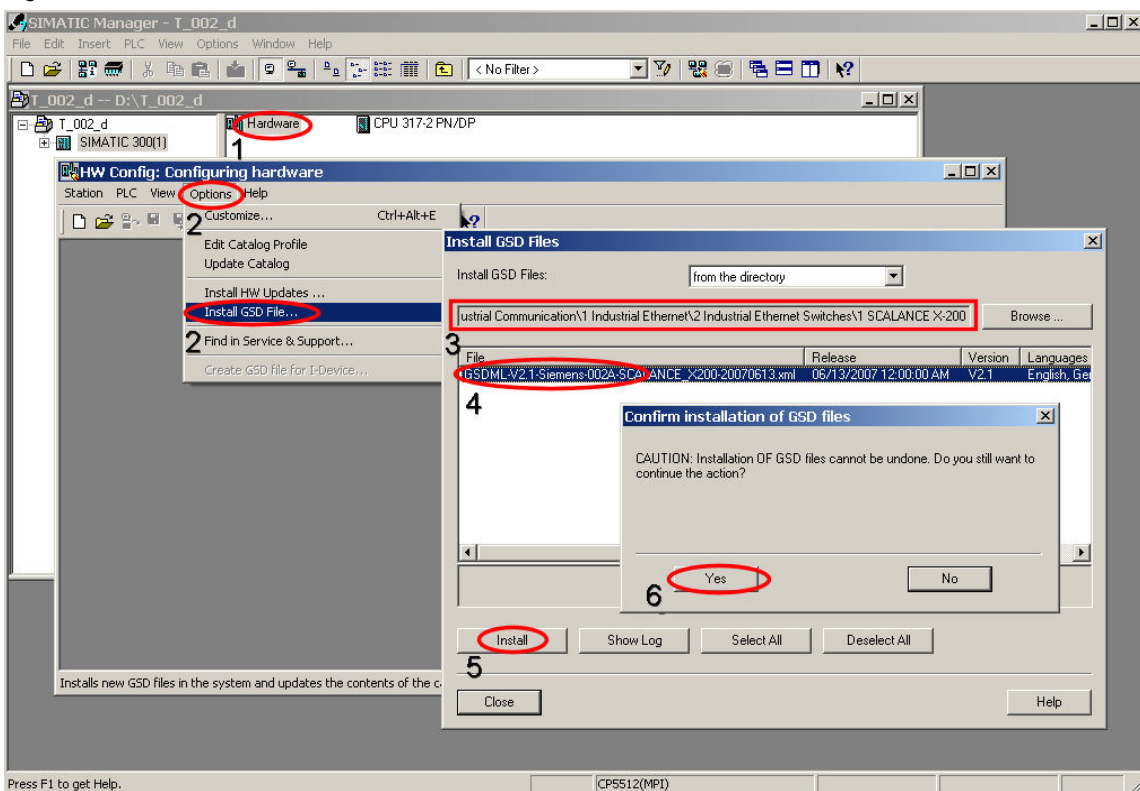
Completing the update with the GSDML PROFINET files

Step	Instruction
7	Close the message window by clicking the OK button.
8	The update process is completed by closing the "Install GSD File" window.

Figure 1-10

1.7 Finding the GSDML Devices in the directory of the module catalog

Table 1-5

Step	Instruction
1	Select the module catalog in HW Config.
2	Select the "PROFINET IO" directory
3	Normally, IO devices by SIEMENS are filed in the HW-catalog in the PROFINET IO directory (the path is defined in GSDML file). IO devices by third-party manufacturers are represented at "PROFINET IO; further FIELD DEVICES".

Figure 1-11