

SIEMENS

SIPROTEC 4 und SIPROTEC Compact

State 03/16

Service Information Firmwareupdate

C53000-A1000-X072-3F-7620

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Siemens Aktiengesellschaft

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We have checked the text of this manual against the hardware and software described. Exclusions and deviations cannot be ruled out; we accept no liability for lack of total agreement. The information in this manual is checked periodically, and necessary corrections will be included in future editions. We appreciate any suggested improvements.

We reserve the right to make technical improvements without notice.

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1. Overview

This service instruction describes the procedure of the firmware update for the SIPROTEC 4 devices. To update the device firmware you require the firmware update and, if required, DIGSI 4-update. For information where to obtain the missing parts please refer to chapter 7.

For updating the firmware, please proceed as follows:

- First check whether your DIGSI- installation needs to be extended. For further information please refer to chapter 2. If applicable, this extension has to be done first.
- Then check whether your devices are hardware-wise suitable for this firmware update.

Corresponding information can be taken from chapter 3.

- Store or update the relevant parameter set in your device using DIGSI. Corresponding information can be taken from chapter 4.
- Install the firmware load program in your PC as described in chapter 5.
- Disconnect your device from the switchgear.
- Proceed with updating the firmware as described in chapter 6 and reload the parameter set (updated if necessary) into your device.
- Perform a commissioning test and, if successful, switch the device back into operation.

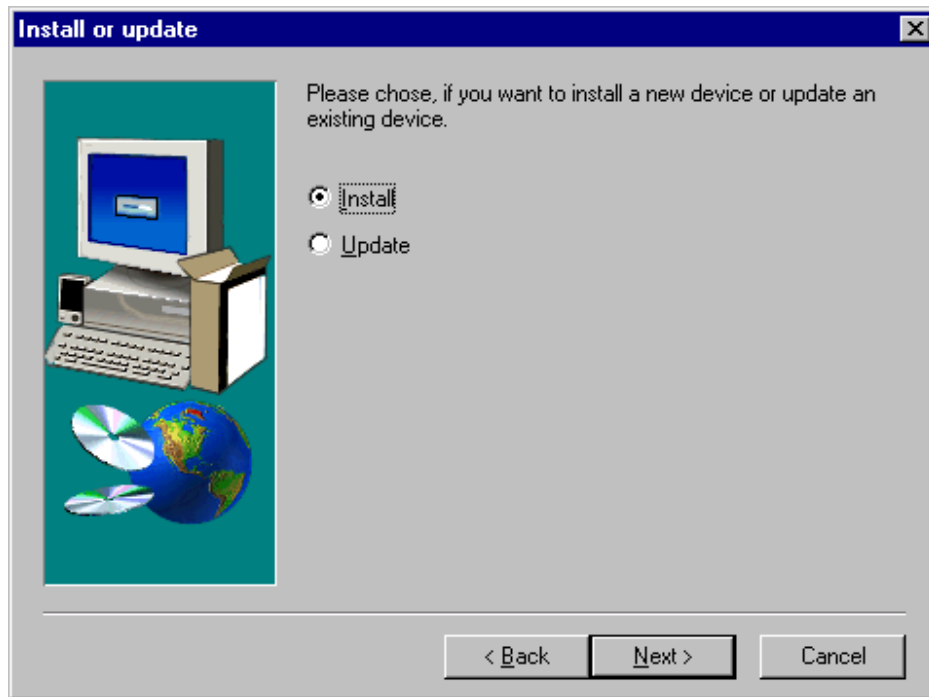
2. Update of the DIGSI installation

In order to operate the device with DIGSI after a firmware update, an update of the DIGSI installation may become necessary. This is always required when the firmware version was changed by the first number behind the decimal point (e.g. from V4.02 to V4.10). When the version was only changed by the second number (e.g. from V4.01 to V4.02), then no DIGSI update is required (for exception's see appendix, table 1). If no DIGSI update is required or if this update has been executed previously, then this chapter may be skipped and the procedure can be continued according to chapter 3.

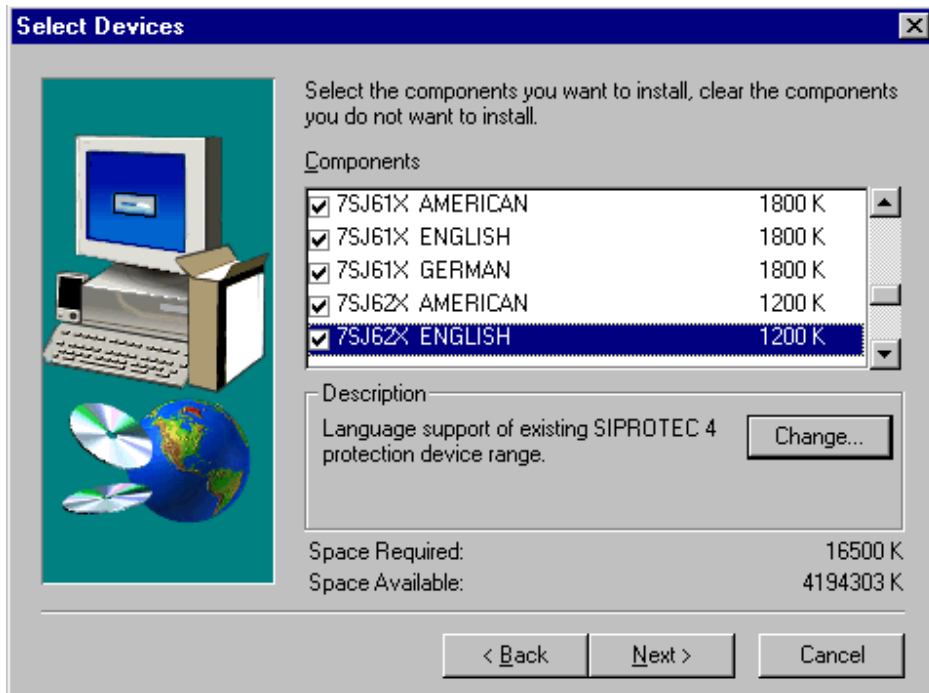
You will receive the files which are required for the DIGSI extension as a packed *.exe file. This installation should be done on all computers which are used for processing parameter sets for the new device firmware version. For updating the installation please proceed as follows:

Service information for the firmware update of SIPROTEC 4 – devices

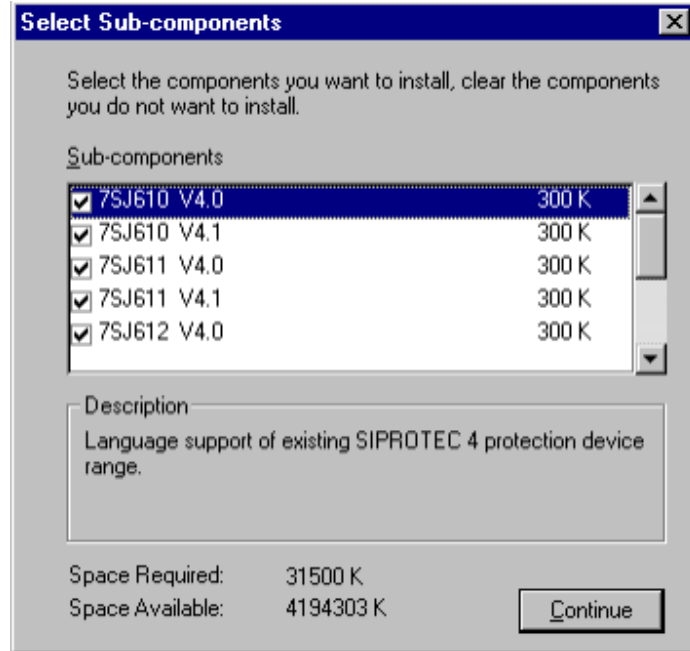
Please start the packed *.exe file (e.g. 6md63_42103_SiprodigV041201_V01.00.01.exe). Please enter the unzip-path into which the update files will be copied after they are unpacked and then press the "unzip" button. Then start the program "Setup.exe" and follow the further instructions during the installation. In the selection menu "Install or update" please select "Install", so that the files for the new firmware version are added to your DIGSI installation:



In the following menu select the device, for which a new firmware version has to be installed. Attention should be paid to the choice of the correct operating language. If may be possible to install more than one device with this procedure.



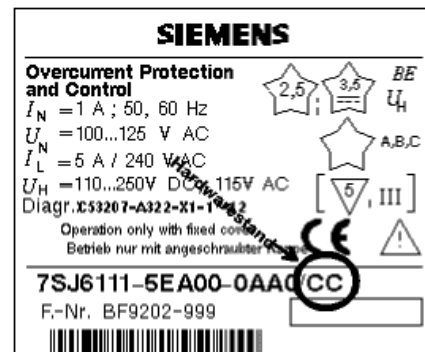
For each selected device, you have to define the firmware version which will additionally be installed in DIGSI. For this purpose, please select the device in the menu “Select Devices“ and confirm the button “change...“:



This menu displays all firmware versions which are available for the selected device. Please mark the version or versions which shall be installed. Then proceed with the installation and follow the instructions of the installation program.

3. Checking the hardware

The hardware version has to be known in order to check whether the devices are suitable for a firmware update. The hardware version is indicated by /XX, with XX being letters which are incremented for hardware updates starting with /BB. Please read the hardware version from the name plate and compare with the table in the appendix whether an update to the desired firmware version is possible. If according to this table an update is impossible, then please contact your local SIEMENS partner.



Note: based on production number it can be retrieved:

<https://deftw99wabsrv.ww003.siemens.net:61005/Home/Serial#>

4. Storing and updating the parameter set

The compatibility between the different versions of the parameter set and the firmware are described in the appendix (table 1). When a new firmware version is loaded into the device, then the existing parameter set is erased (except 6MD66). Therefore it is essential that the actual parameter set is stored on PC. In case you are not sure that the actual parameter set is available on your PC, we recommend that you read the parameter set from the device and store it on the hard disk drive using DIGSI.

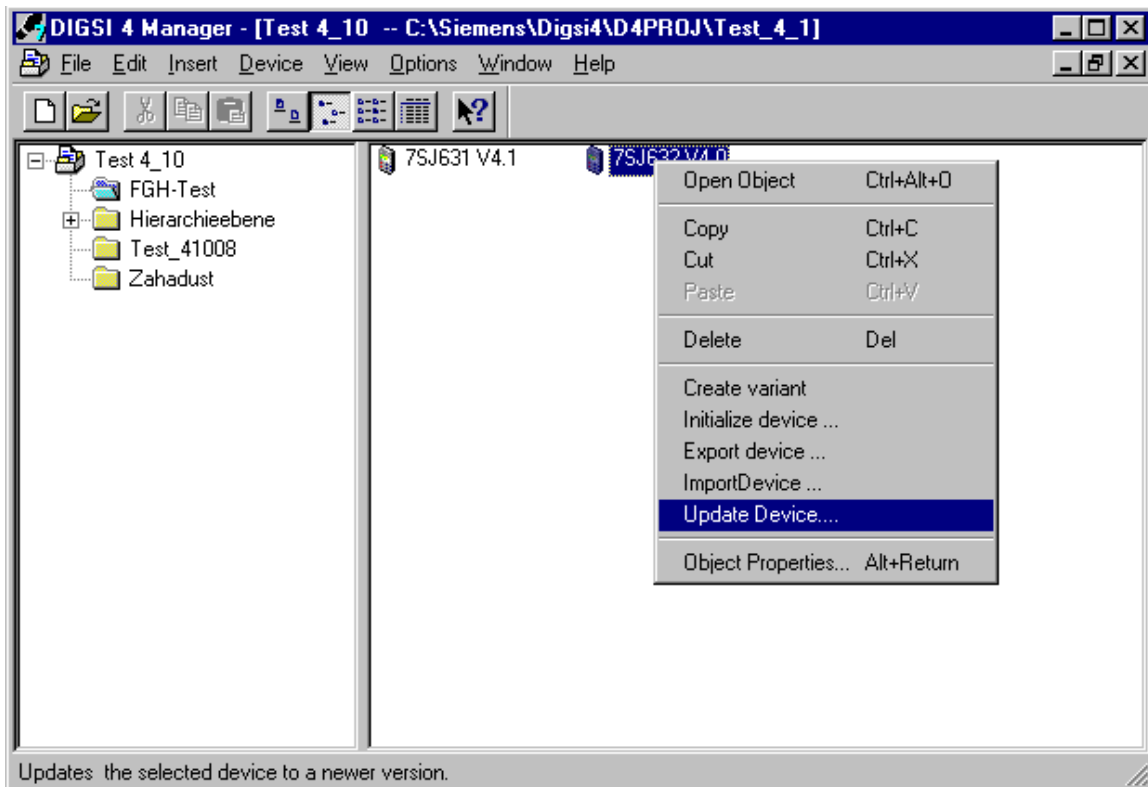
If the firmware update changes the designation of the version only by the second number behind the decimal point, (e.g. from V4.02 to V4.03), then the existing parameter set does not need to be updated (for exception's see appendix table 1). In this case you may skip this chapter from now on and reload the stored parameter set into the device after the firmware update using DIGSI.

If the firmware update changes the designation of the version by the first number behind the decimal point, then we recommend to update the parameter set (if possible). In many cases the device with the new firmware version may further on be operated with the "old" parameter set. Please note that it will then operate like a device with the "old" firmware version. For possible limitations please refer to the appendix (table 1).

For updating the parameter set, please proceed as follows:

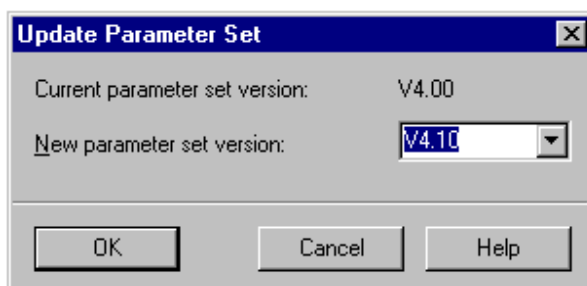
Service information for the firmware update of SIPROTEC 4 – devices

Start DIGSI4. Select the device which is to be updated in the DIGSI4 manager. Select the option "Update Device" or "Update parameter set" (dependent on the DIGSI version).

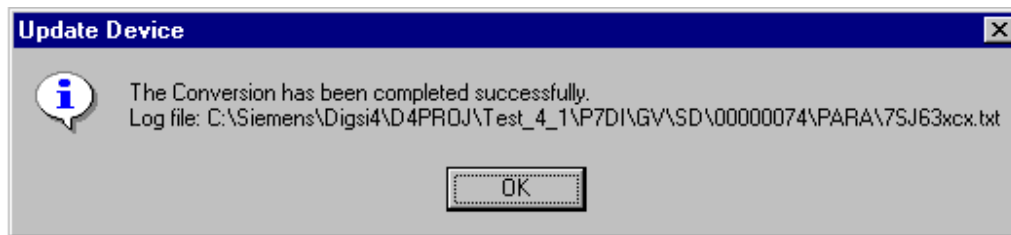


(Note: the sequence of the options in the menu may be different)

In the following menu select the correct parameter set version for the new device firmware version and confirm by "OK". Please note that the designations of the versions for firmware and parameter set have to match only up to the first number behind the decimal point. Example: Devices with the firmware versions V4.1x (e.g. V4.10, V4.11, ...) can be operated with all versions V4.1x of the parameter set (for exception's see appendix table 1). Therefore only the first number behind the decimal point has to be taken into account when selecting the new parameter set in this menu.



When the update was executed successfully, then the following confirmation appears:

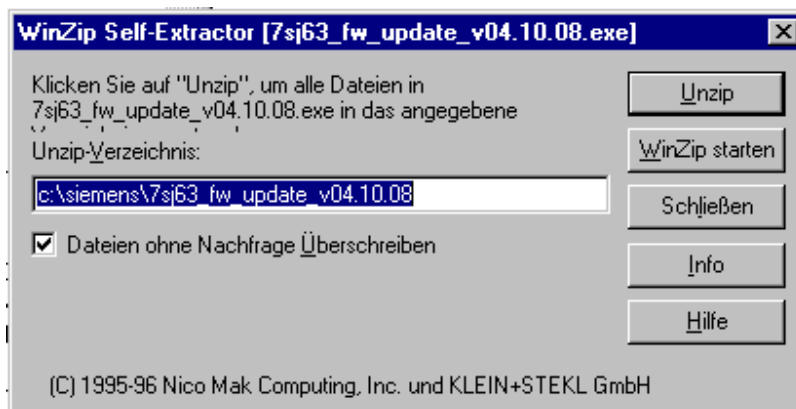


Please check the indicated log file. It contains information about the update procedure and about modifications of the parameter set. You may now check again in object characteristics / equipment data in the DIGSI4 manager, whether the updated parameter set has the correct version designation. Please note that the device designation which is indicated in the DIGSI manager will not be changed with the update. If this device designation contains information about the version designation (e.g. 7SJ611 V4.0), then we recommend to modify it manually in order to avoid confusions.

5. Installing the firmware load program

For loading the firmware, first the load program together with the firmware files has to be installed on your computer. This installation should always be executed even if a version of the load program has previously been installed on your computer. This assures that the install program always installs the latest load program version. When new firmware is installed, previously installed firmware versions remain available. The procedure for installation is:

The load program is packed as *.exe file. For unpacking please start the *.exe file (e.g.: 7sj61_fw_update040118_v04.21.03.exe). Please enter the unzip-path in which the update files has to copy after they are unpacked and than press the button "unzip".



The following files will be generated (the file names can differ depending on the device type and the firmware version).

Dateiname	Größe	Typ	Geändert am
7sj63_fw_update.txt	1 KB	Textdatei	14.07.99 16:54
7SJ63_V04.10.08.PCK	573 KB	PCK-Datei	15.07.99 13:50
FirmwareUpdate.DE_	10 KB	DE_-Datei	15.07.99 13:50
FirmwareUpdate.EN_	10 KB	EN_-Datei	15.07.99 13:50
FirmwareUpdate.EX_	341 KB	EX_-Datei	15.07.99 13:50
Readme.txt	2 KB	Textdatei	08.07.99 10:37
Setup.EXE	199 KB	Anwendung	15.07.99 13:50

Please read the notes in the file “Readme.txt“ before continuing the installation.

Start the program “Setup.exe“ and follow the instructions of the installation program. You will now find the following files in the installation directory (the file names can differ depending on the device type and the firmware version).

Dateiname	Größe	Typ	Geändert am
7SJ63_V04.10.08.PCK	573 KB	PCK-Datei	21.07.99 08:02
FIRMWAREUPDATE	2 KB	Kurzwahleintrag	21.07.99 08:02
FirmwareUpdate.DE	10 KB	DE-Datei	21.07.99 08:02
FirmwareUpdate.EN	10 KB	EN-Datei	21.07.99 08:02
FirmwareUpdate.EXE	341 KB	Anwendung	21.07.99 08:02

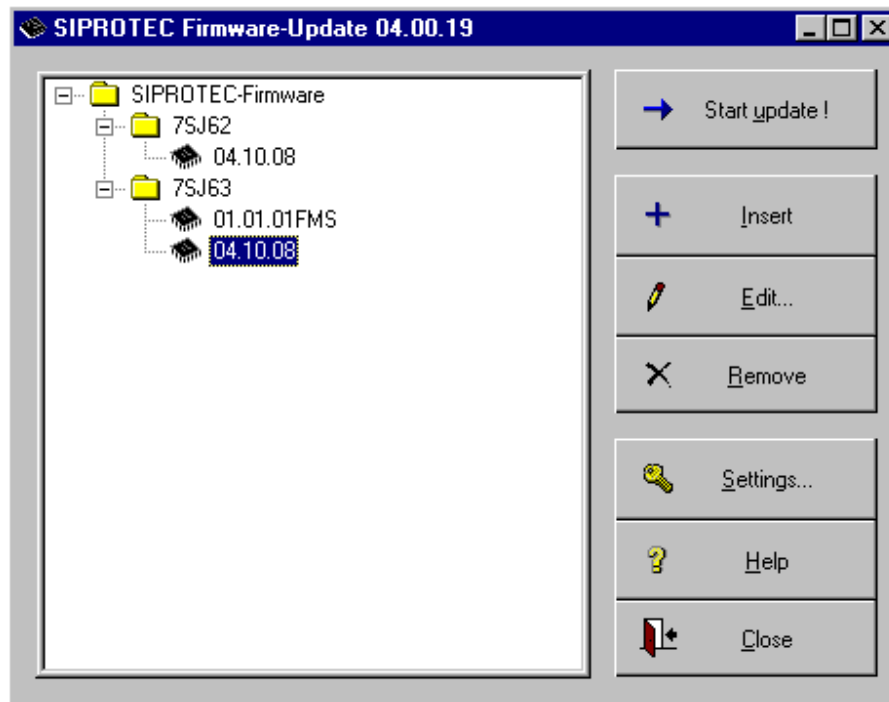
The installation of the firmware load program is now complete.

6. Loading the firmware

Disconnect the device from the switchgear. Connect the PC by means of the cable which is also used for DIGSI. Please use the front-side interface of the device. The program “FirmwareUpdate.EXE“ may now be started from the directory where the load program was installed.

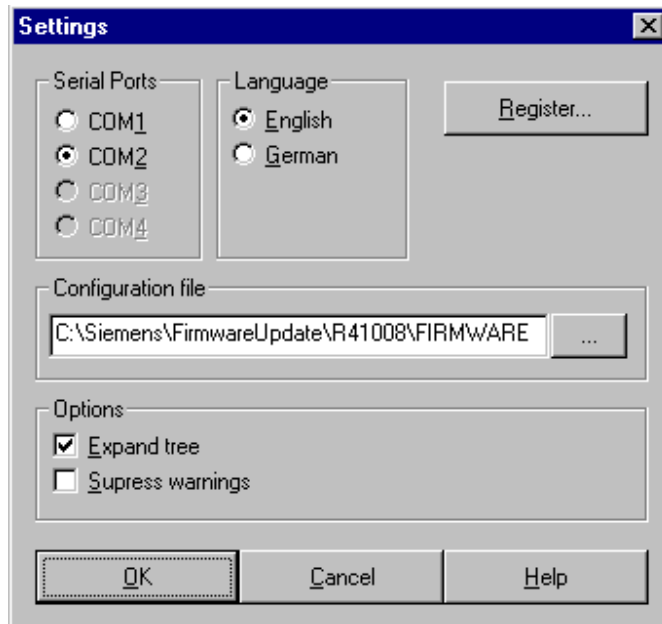
Note: When loading the firmware the parameter set in the device will be erased. Therefore it should first be stored using DIGSI!

The firmware load program starts with the following menu:



The left-hand window on the screen shows all firmware versions which are actually available on the PC. First the firmware which shall be loaded has to be selected. This is done by selecting the required firmware under the device type (e.g. „04.10.08“ for V4.10). Depending on the device type, not only the device firmware but also the firmware for an active communication module (e.g. PROFIBUS module „01.01.01-FMS“) is offered. If your device is not equipped with an active communication module, then this feature may be ignored. If your device includes an active communication module, then first the new device firmware should be loaded and then the firmware for the active communication module. Passive communication modules don't need an additional firmware. If the Active communication module is an Ethernetmodul with IEC 61850, please follow by all means the indications in the manual (from order number C53000-G1140-C167-10) for the Ethernetmodul in chapter 3.

Before starting the loading procedure, please select under “Settings“ the serial interface of your PC which is connected with the device by the connection cable. This is done in the following menu:



Further information is given under “Help“. Now the loading procedure for the firmware can be started by “Start Update“.

Please pay attention to the written text in the load program during the loading procedure.

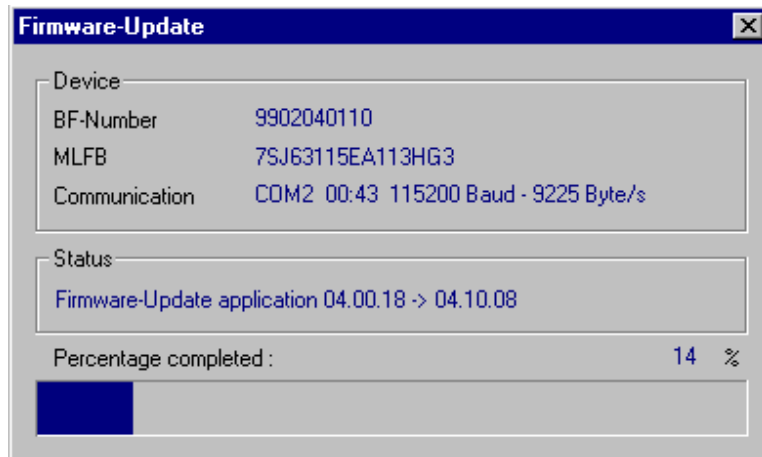
WARNING!

The auxiliary voltage of the protection device must not be interrupted during the load process.

Note:

In the event of an auxiliary voltage failure during the installation, the loading procedure should be attempted again. Depending on the instant of voltage failure this might be impossible. In this case the device has to be returned to the factory. If this is the case or if unexpected problems occur, please contact your SIEMENS partner.

The load program monitors the correct data transfer between PC and protection device. During the loading procedure the following picture is displayed on the screen. LEDs 1, 2, 3 and 6 flash on the device. LEDs 5, RUN and ERROR are on during the loading procedure.



Two components are being loaded one after the other: the bootsystem and the firmware itself (application). When you load a firmware for an active communication module than no bootsystem will be loaded.

After the loading procedure, the protection device automatically performs a check sum test in order to ensure that the new firmware has correctly been transferred to the device. After the successful update, the green "RUN" LED and the red "EROR" LED are on. The device is now in the monitor mode, a special diagnostic mode.

The device display shows the following lines of information:

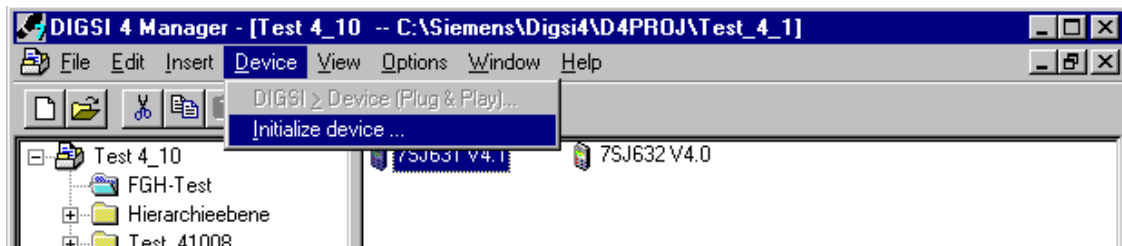
(Note: if the display has only four lines, then not all the lines are visible)

MONITOR	01/05
Equipment data->	1
User interface->	2
System I-face ->	3
Reset	4
SIEMENS intern	5

Please do not make any entries in this mode. The loading procedure is completed. The device now contains the new firmware. If your device contains a communication module for PROFIBUS-FMS, then the corresponding firmware should now be loaded following the same procedure. For this purpose select this firmware in the loading program and start the loading procedure again.

Service information for the firmware update of SIPROTEC 4 – devices

After completion of the loading procedure there is no usable parameter set in the device, because the parameter set in the device was erased during the loading procedure. In order to reload a correct parameter set into the device, please start DIGSI 4. Choose the correct (please refer also to chapter 4) updated parameter set and first start an initialization of the device. The codeword for this first loading procedure of the parameter set is "000000". Further on the codeword which was defined for the device is applicable again.



Please switch off the DC-power of the protection-device for 3 sec. and than switch it on again.

The firmware and parameter update is now completed.

Please check again the correct termination at the device display:

In the "MAIN MENU" -> "Parameter" -> "Setup/Extras" -> "MLFB/version" -> the following information can be read as shown below: version numbers for the firmware, for the boot system, if need be the version of the active communication module and for the parameter set:

```
MLFB/Version    02/03
Firmware:      4.10.08
Bootsystem:    1.01.01
```

```
MLFB/Version    03/03
P-Bus-Modul:01.01.01
P-Satz:         04.10.08
```

Please compare this information with the data of table 2 in the appendix.

The device is now ready for commissioning with the settings of the used parameter set.

7. Ordering information

The available updates are downloadable from the SIEMENS-Intranet and public Internet.

SIEMENS-Intranet:

<https://intranet.wss03.ptd.siemens.de/content/10007597/wppages/siprotec-4-products.aspx>

Product filter -> select your device and you will get all available documents and software

SIEMENS-Internet: <http://www.siprotec.com>

Home -> Protection Devices -> select your device e.g. 7SJ62 and you will find all available documents and software.

In any case of problems please contact your SIEMENS partner or the Services

Energy Management / Energy Automation / Customer Support Center:

Phone: +49 180 524 **8437**; **Fax:** +49 180 524 2471 Attention! New phone number!

E-Mail: support.ic@siemens.com

8. Appendix

The following table contains notes for each available firmware update version:

Hardware requirements:

New firmware versions may possibly not run on all hardware versions. In the event of limitations for the utilized firmware version a corresponding note is written in the column "hardware".

Parameter set version:

Generally the firmware version and the parameter set version have to match by the first number behind the decimal point. This means for a device with firmware version V4.1x any parameter set version V4.1y is acceptable (exceptions are indicated in table 1). In some cases devices may be operated with "older" parameter set versions. If this is possible, then a corresponding note can be found in the column "parameter set compatibility" of table 1. Please note that this option does not yield the complete functionality of the new firmware.

Overview device firmware and hardware (table)

device	firmware	hardware	parameter set compatibility	DIGSI
6MD61	04.00.09	from /BB	V04.00.06	from 4.6x + DIGSI-driver
7SJ61/2/3	04.00.18	from /BB to /EE	Only 04.00.18 possible.	from 4.0x
6MD63	04.00.18			
7SJ61/2	04.01.01			
6MD61	04.01.02	from /BB	At parameter sets 04.00.06 possible.	from 4.6x + DIGSI-driver
6MD61	04.02.03	from /BB	At parameter sets 04.00.06 possible.	
7SJ61/2/3	04.10.08	from /BB to /EE	04.10.08 only possible. Parameter sets 04.00.18 can be updated with DIGSI to 04.10.08	from 4.0x + AddOn 1
6MD63	04.10.08			
7SJ61/2	04.11.01			
6MD63	04.11.01			
7SJ61/2/3	04.12.03			
6MD63	04.12.03			
7SJ61/2/3	04.13.04	from /BB to /EE	Only 04.13.04 possible. Parameter sets 04.00.18 and 04.10.08 can be updated with DIGSI to 04.13.04	from 4.1x
6MD63	04.13.04			
7SJ61/2/3	04.14.01			
6MD63	04.14.01			
7SJ61/2/3	04.20.18	from /BB to /EE	Only 04.20.13 or 04.21.02 possible. A DIGSI update of older parameter sets to V4.20 is not possible. New parameters sets have to be edited using DIGSI.	from 4.1x + AddOn 2
6MD63	04.20.18			
7SJ61/2/3	04.21.03	from /BB to /EE	04.20.13 or 04.21.02 possible. A DIGSI update of older parameter sets to V4.20 is not possible. New parameters sets have to be edited using DIGSI. Parameter sets 04.20.13 can be updated with DIGSI to 04.21.02.	from 4.1x + DIGSI-driver
6MD63	04.21.03			
7SJ61/2/3	04.22.01	from /BB to /EE	04.13.04, 04.20.13 or 04.21.02 possible. A DIGSI update of older parameter sets to V4.20 is not possible. New parameters sets have to be edited using DIGSI. Parameter sets 04.20.13 can be updated with DIGSI to 04.21.02.	
6MD63	04.22.01			
7SJ61/2/3	04.23.01			
6MD63	04.23.01			
7SJ61/2/3	04.25.01			
6MD63	04.25.01			
7SJ61/2/3	04.27.03	from /BB to /EE	04.13.04, 04.20.13, 04.21.02 or 04.27.03 possible. A DIGSI update of older parameter sets to V4.20 is not possible. New parameters sets have to be edited using DIGSI. Parameter sets 04.20.13 and 04.21.02 can be updated with DIGSI to 04.27.03.	from 4.1x + DIGSI-driver
6MD63	04.27.03			
7SJ63	04.28.03			
6MD63	04.28.03			
7SJ61/2	04.28.01			
7SJ63	04.29.01			
6MD63	04.29.01			
7SJ61/2	04.29.03			

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
7SJ61/2	04.30.08	from /BB to /EE	Only 04.30.08 possible.	from 4.2x + DIGSI-driver
7SJ65	04.30.10	from /BB	Only 04.30.08 possible.	from 4.2x + DIGSI-driver
7SJ61/2	04.40.09	from /BB to /EE	Only 04.40.07 possible. Parameter sets 04.20 .. 04.28 can be upgraded with DIGSI at 4.3x to 04.41	from 4.2x + DIGSI-driver
7SJ63/4	04.40.10			
6MD63	04.40.10			
7SJ61/2	04.41.02			
7SJ63	04.41.04			
6MD63	04.41.04			
7SJ63	04.42.03	from /BB to /EE	At 04.40.07 possible. Parameter sets 04.20 .. 04.28 can be upgraded with DIGSI at 4.3x to 04.41 Parameter sets 04.40.07 can be updated to 04.41	
6MD63	04.42.03			
7SJ64	04.42.04	from /BB to /CC	At 04.40.07 possible. Parameter sets 04.40.07 can be updated to 04.41	
7SJ61/62	04.42.04	from /BB to /EE	At 04.40.07 possible. Parameter sets 04.20 .. 04.28 can be upgraded with DIGSI at 4.3x to 04.41 Parameter sets 04.40.07 can be updated to 04.41	
7SJ63	04.43.03	from /BB		
7SJ61-63	04.44.05	from /BB to /EE	At 04.40.07 possible. Parameter sets 04.20 .. 04.28 can be upgraded with DIGSI at 4.3x to 04.41 Parameter sets 04.40.07 and 04.41.03 can be updated to 04.42.03	
6MD63	04.44.05	from /BB to /EE		
7SJ64	04.44.03	/BB to /DD	Parameter sets 04.40.07 and 04.41.03 can be updated to 04.42.03	
6MD63	04.45.02	from /BB to /EE	Parameter sets 04.40.07, 04.41.03, 04.42.03 and 04.43.02 can be updated to 04.44.01	
7SJ61-63	04.45.02			
7SJ64	04.45.02	/BB to /DD		
6MD63	04.46.01	from /BB to /EE		
7SJ61-63	04.46.01			
7SJ64	04.46.01	from /BB to /DD		
6MD63	04.47.01	from /BB to /EE		
7SJ61/62	04.47.01			
7SJ63	04.47.01			
7SJ64	04.47.03	from /BB to /DD		
6MD63	04.50.10	from /BB to /EE	Update of parameter set \geq 04.20 to 04.50.10 is possible.	from 4.5x + DIGSI-driver
7SJ61/62	04.50.10			
7SJ63	04.50.11	from /BB to /EE	Update of parameter set \geq 04.20 to 04.50.11 is possible.	
7SJ64	04.50.10	from /BB to /DD		
6MD63	04.51.02	from /BB to /EE	Update of parameter set \geq 04.20 to 04.50.10 is possible.	
6MD63	04.60.10	from /BB to /EE	Update of parameter set \geq 04.20 to 04.60.10. Compatible to parameter sets V04.51.02, parameter sets $<$ 04.51.02 can be loaded and operated with DIGSI V4.5.	from 4.6x + DIGSI-driver
7SJ61/62	04.60.12	from /BB to /EE	Update of parameter set \geq 04.20 to 04.60.10. Compatible to parameter sets V04.50.10, parameter sets $<$ 04.50.10 can be loaded and operated with DIGSI V4.5.	

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI	
7SJ63	04.60.11	from /BB to /EE	Update of parameter set \geq 04.20 to 04.60.10. Compatible to parameter sets V04.50.11, parameter sets $<$ 04.50.10 can be loaded and operated with DIGSI V4.5.		
7SJ64	04.60.11	from /BB to /DD			
7SJ62	04.61.01	from /BB to /EE			
7SJ63	04.61.01	from /BB to /EE			
7SJ64	04.61.01	from /BB to /DD	Update of parameter set \geq 04.20 to 04.60.10. Compatible to parameter sets V04.50.11, parameter sets $<$ 04.50.11 can be loaded and operated with DIGSI V4.5.	from 4.6x + DIGSI-driver	
6MD63	04.62.03	from /BB to /EE	Update of parameter set \geq 04.20 to 04.62. Compatible to parameter sets V04.50.11, parameter sets $<$ V04.5x can be loaded and operated with DIGSI V4.5.	from 4.6x + DIGSI-driver	
7SJ61/62	04.62.03				
7SJ63	04.62.03				
7SJ64	04.62.03				from /BB to /DD
6MD63	04.63.02	from /BB to /EE	Update of parameter set \geq 04.20 to 04.63.01. Compatible to parameter sets V04.50.11, parameter sets $<$ V04.5x can be loaded and operated with DIGSI V4.5.	from 4.6x + DIGSI-driver	
7SJ61/62	04.63.02				
7SJ63	04.63.02				
7SJ64	04.63.03				from /BB to /DD
7SJ61/62	04.64.01	from /BB to /EE	Update of parameter set \geq 04.20 to 04.64.01. Compatible to parameter sets V04.50.11, parameter sets $<$ V04.5x can be loaded and operated with DIGSI V4.5.		
7SJ63	04.64.02				
7SJ64	04.64.01				from /BB to /DD
6MD63	04.64.02				from /BB to /EE
6MD63	04.65.02	from /BB to /EE	At V04.60.11		
6MD63	04.66.04	from /BB to /EE	from V04.60.11		
7SJ61/62	04.65.01	from /BB to /EE	Version is not available for order in the work. the setup files are only distributed by Internet. Update of parameter set \geq 04.20 to 04.65.01.		
7SJ61/62	04.67.02	from /BB to /EE	from V04.50		
7SJ63	04.67.01	from /BB to /EE	from V4.50		
7SJ63	04.68.00	from /BB to /EE	from V4.50.		
6MD63	04.69.04	from /BB bis /EE	from V04.50		
7SJ63	04.69.04	from /BB bis /EE	from V04.50	from 4.86 + DIGSI-driver	
6MD63	04.70.00	from /BB bis /EE	from V04.50		
7SJ63	04.70.00	from /BB bis /EE	from V04.50		
7SJ61/62	04.70.12	from /FF	Update of parameter set \geq 04.20 to 04.70.11. Compatible to parameter sets V04.50.11, parameter sets $<$ V04.5x can be loaded and operated with DIGSI V4.5.	from 4.6x + DIGSI-driver	
7SJ64	04.70.12	from /BB supports /EE too			
7SJ61/62	04.71.04	from /FF	Update of parameter set \geq 04.20 to 04.71.04. Compatible to parameter sets $>$ V04.50.11, parameter sets $<$ V04.5x can be loaded and operated with DIGSI V4.5.	from 4.6x + DIGSI-driver	
7SJ64	04.71.02	from /BB supports /EE too	Update of parameter set \geq 04.20 to 04.71.02. Compatible to parameter sets V04.50.11, parameter sets $<$ V04.5x can be loaded and operated with DIGSI V4.5.		

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
7SJ64	04.72.03	from /BB supports /EE too	Update of parameter set >= 04.20 to 04.72.03. Compatible to parameter sets V04.50.11, parameter sets < V04.5x can be loaded and operated with DIGSI V4.5.	
7SJ61	04.73.05	from /FF	Update of parameter set >= 04.20 to 04.73.05. Compatible to parameter sets V04.40.07	from 4.6x + DIGSI-driver
7SJ62	04.73.06			
7SJ64	04.73.05	from /BB supports /EE too		
7SJ64	04.74.03			
7SJ61/62	04.80.05	from /FF	Update of parameter set >= 04.20 to 04.80.05. Compatible to parameter sets V04.40.07	from 4.6x + DIGSI-driver
7SJ64	04.80.06	from /BB supports /EE too	Update of parameter set >= 04.20 to 04.80.06. Compatible to parameter sets V04.40.07	from 4.6x + DIGSI-driver
7SJ61/62	04.81.04	from /FF	from V04.40.01	from 4.81 + DIGSI-driver
7SJ64	04.81.04	from /BB	from V04.40.01	from 4.81 + DIGSI-driver
7SJ61/62	04.81.04	from /GG	04.82.01 (for devices with graphic display)	from 4.81 + DIGSI - driver
7SJ61/62	04.90.05	from /FF	from V04.40.01	from 4.86
7SJ64	04.90.05	from /BB		
7SJ61/62	04.92.03	from /FF	from V04.40.01	from 4.86
7SJ64	04.92.03	from /BB		
7SJ61/62	04.93.01	from /FF	from V04.40.01	from 4.86
7SJ64	04.93.01	from /BB		
7SJ62	04.94.04	from /FF	from V04.40.01	from 4.86
7SJ80	04.60.16	from /BB	Parameter sets V4.60 may be updated to V4.61 and V4.62. To ensure faultless updates of 7SJx80 parameters only use DIGSI V4.83 or higher, please.	from 4.82
7SK80	04.60.16			
7SJ80	04.61.06			
7SK80	04.61.06			
7SJ80	04.62.04			
7SK80	04.62.04			
7SJ80	04.63.05	from /BB	from V04.60.16	from 4.82
7SK80	04.63.05			
7SJ80	04.64.04	from /BB	from V04.64.02	from 4.85
7SK80	04.64.04			
7SJ81	04.60.04	from /BB	from V04.60.16	from 4.82
7SJ81	04.70.05	from /BB	from V04.60.16	from 4.82
7SK81	04.70.05			
7SJ80	04.70.08	from /BB	from V04.60.16	
7SK80	04.70.08			
7SJ80	04.71.00		from V04.60.16	
7SK80	04.71.00			
7SJ80	04.72.02		from V04.60.16	
7SK80	04.72.02			
7SJ80	04.73.02	from /BB	From V04.73.02	from 4.88
7SJ80	04.74.05	from /BB	from V04.60.16	
7SK80	04.74.05	from /BB	from V04.60.16	
7SJ80	04.75.00	from /BB	from V04.60.16	
6MD663/4	04.01.01	from /BB to /EE	Compatible to all versions. Approved release is only - 04.01.01 (note: DIGSI help still displays V4.00)	from 4.2x + DIGSI-driver
6MD663/4	04.02.02	from /BB to /EE		
6MD663/4	04.11.03	from /BB to /EE	Approved release is 04.11.01 (new) Old released parameter sets may be updated to - 04.11.01	

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
6MD663/4	04.12.04	from /BB to /EE	Approved release is 04.12.03 (new) Old released parameter sets may be updated to - 04.12.03	from 4.2x + DIGSI-driver
6MD663/4	04.13.02	from /BB to /EE	Approved release is 04.12.03 (new) Old released parameter sets may be updated to - 04.12.03	from 4.2x + DIGSI-driver
6MD663/4	04.20.09	from /BB to /EE	Approved release is 04.20.09 (new) Old released parameter sets may be updated to - 04.20.09	from 4.2x + DIGSI-driver
6MD662-4	04.20.09	from /BB to /EE	Approved release is 04.21.01 (new) Old released parameter sets may be updated to - 04.21.01	
6MD662-4	04.30.03	from /BB to /EE	Approved release is 04.30.02 (new) Old released parameter sets may be updated to - 04.30.02	
6MD662-4	04.31.02	from /BB to /EE	Approved release is 04.31.01 (new) Old released parameter sets may be updated to - 04.31.01	
6MD662-4	04.32.03	from /BB to /EE	Approved release is 04.32.01 (new) Former parameter sets do not have updated on 04.32.03 (only new language Spain)	
6MD662-4	04.33.02	from /BB to /EE	No changes in parameter sets (parameter set 04.32.03)	
6MD662-4	04.60.10	from /BB to /FF	Approved release is 04.60.09 (new) Old released parameter sets may be updated to - 04.60.09 Furthermore parameter sets < 04.60 can be loaded and operated with DIGSI V4.4.	
6MD662-4	04.61.02	from /BB to /FF	Approved release is 04.60.09 (new) Old released parameter sets may be updated to - 04.61.02 Furthermore parameter sets < 04.60 can be loaded and operated with DIGSI V4.4.	
6MD662-4	04.62.04	from /BB to /FF	Approved release is 04.60.09 (new) Old released parameter sets may be updated to - 04.62.04 Furthermore parameter sets < 04.60 can be loaded and operated with DIGSI V4.4.	
6MD662-4	04.63.01	from /BB to /FF	Approved release is 04.60.09 (new) Old released parameter sets may be updated to - 04.63.01 Furthermore parameter sets < 04.60 can be loaded and operated with DIGSI V4.4.	
6MD662-4	04.64.02	from /BB to /FF	Approved release is 04.60.09 (new) Old released parameter sets may be updated to - 04.64.01 Furthermore parameter sets < 04.60 can be loaded and operated with DIGSI V4.4.	from 4.6x + DIGSI-driver
6MD662-4	04.70.03	from BB to /FF	Approved release is 04.60.09 (new) Old released parameter sets may be updated to - 04.70.02 Furthermore parameter sets < 04.60 can be loaded and operated with DIGSI V4.4.	
6MD662-4	04.71.03	from /BB to /GG	At V04.01.01, upgrade from V04.14	
6MD662-4	04.80.06	from /BB	from V04.01.01	from 4.6x + DIGSI -driver
6MD662-4	04.81.03			from 4.82 + DIGSI -driver
6MD662-4	04.82.05			
6MD662-4	04.83.03			

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
6MD662-4	04.84.02	from /BB	from V04.01.01	from 4.82 + DIGSI -Treiber
6MD665	04.01.01	from /BB	Compatible to all versions. Approved release is only - 04.01.01 (note: DIGSI help still displays V4.00)	from 4.2x + DIGSI-driver
6MD665	04.02.01	from /BB		
6MD665	04.11.03	from /BB	Approved release is 04.10.01 or 04.11.01 (new) Old released parameter sets may be updated to - 04.11.01	from 4.2x + DIGSI-driver
6MD665	04.12.02	from /BB	Approved release is 04.12.01 (new) Old released parameter sets may be updated to - 04.12.01	
6MD665	04.20.07	from /BB	Approved release is 04.20.07 (new) Old released parameter sets cant be updated	
6MD665	04.30.01	from /BB	Approved release is 04.30.02 (new) Old released parameter sets cant be updated	from 4.2x + DIGSI-driver
6MD665	04.31.01	from /BB	No changes in parameter sets (parameter set 04.32.03)	
7RW80	04.61.02	from /BB	from V04.60.06	from 4.82 + DIGSI-driver
7RW80	04.62.00			
7SA522	04.10.08	from /BB	Only 04.10.08 possible. A DIGSI update of older parameter sets to V4.00 is not possible. New parameters sets have to be edited using DIGSI.	from 4.1x + DIGSI-driver or from 4.2x
7SA522	04.11.01	from /BB		
7SA522	04.20.09	from /BB	Only 04.20.11 possible. A DIGSI update of older parameter sets to V4.10 or V4.10 is not possible. New parameters sets have to be edited using DIGSI.	V4.21 + Service Pack 2 + DIGSI-driver or from V4.3x
7SA522	04.21.02	from /BB	Compatible to 04.20.11 and 04.21.02 . A DIGSI update of older parameter sets to V4.10 or V4.10 is not possible. New parameters sets have to be edited using DIGSI. SW 04.21.02 works with parameter set 04.20.11. Using high speed relays requieren parameter set 04.21.02.	
7SA522	04.22.03	from /BB	Compatible to 04.20.11. Update of parameter set >= V4.10 to 04.22.03 is possible.	
7SA522	04.32.01	from /BB	Only 04.30.06 possible. Update of parameter set >= V4.10 to 04.30.06 is possible.	V4.21 + Service Pack 2 + DIGSI-driver or from V4.3x
7SA522	04.34.03	from /BB	Update of parameter set >= V4.10 to 04.30.06 and 04.34.03 is possible.	
7SA522	04.35.02			
7SA522	04.36.01			
7SA522	04.37.01			
7SA522	04.38.01			
7SA522	04.60.11	from /BB	Update of parameter set >= V4.10 to V4.60 is possible.	from 4.6x + DIGSI-driver
7SA522	04.61.06	from /BB	Running with parameter set 04.60.10 and 04.61.06.	
7SA522	04.62.01	from /BB	Update from V04.10 is possible. Attention: There are known problems during IEC parameter upgrade from V04.60.10 to V04.61.06	
7SA522	04.63.04	from /BB	Running with parameter set 04.60.10, 04.61.06 and 04.63.04. Update from V04.10 is possible.	
7SA522	04.64.05	from /BB	Version is blocked.	
7SA522	04.65.01	from /BB	Running with parameter set 04.60.10, 04.61.06, 04.63.04 and 04.65.01. Update from V04.10 is possible.	
7SA522	04.68.03	from /BB to /GG	Running with parameter set 04.60.10, 04.61.06, 04.63.04 and 04.65.01 and 04.68.03. Update from V04.10 is possible.	from 4.71 + DIGSI -driver
7SA522	04.70.07	from /BB	from V04.70.02	from 4.71 + DIGSI-driver
7SA522	04.71.03			
7SA522	04.72.01			
7SA522	04.73.03			
7SA522	04.74.02			
7SA6	04.00.07	from /BB	Only 04.00.07 possible.	from 4.1x + DIGSI-driver or
7SA6	04.01.01	to /DD		

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
7SA6	04.02.01			from 4.2x + DIGSI-driver
7SA6	04.03.01			
7SA6	04.20.09	from /BB to /DD	Only 04.20.11 possible. A DIGSI update of older parameter sets to V4.10 or V4.10 is not possible. New parameters sets have to be edited using DIGSI.	V4.21 + Service Pack 2 + DIGSI-driver or from V4.3x
7SA6	04.21.02	from /BB to /DD	Compatible to 04.20.11 and 04.21.02. A DIGSI update of older parameter sets to V4.10 or V4.10 is not possible. New parameters sets have to be edited using DIGSI. SW 04.21.02 works with parameter set 04.20.11. Using high speed relays require parameter set 04.21.02.	
7SA6	04.22.03	from /BB to /DD	Compatible to 04.20.11. Update of parameter set >= V4.00 to 04.22.03 is possible.	
7SA6	04.32.01	from /BB to /DD	Only 04.30.06 possible. Update of parameter set >= V4.00 to 04.30.06 is possible.	V4.21 + Service Pack 2 + DIGSI-driver or from V4.3x
7SA6	04.34.03	from /BB to /DD	Update of parameter set >= V4.00 to 04.30.06 and 04.34.03 is possible.	
7SA6	04.35.02			
7SA6	04.36.01			
7SA6	04.37.01			
7SA6	04.38.01			
7SA6	04.60.11	from /BB to /EE	Update of parameter set >= V4.00 to V4.60 is possible	from 4.6x + DIGSI-driver
7SA6	04.61.06	from /BB to /EE	Running with parameter set 04.60.10 and 04.61.06. Update from V04.00 is possible. Attention: There are known problems during IEC parameter upgrade from V04.60.10 to V04.61.06	
7SA6	04.62.01			
7SA6	04.63.04	from /BB to /EE	Running with parameter set 04.60.10, 04.61.06 and 04.63.04. Update from V04.10 is possible.	
7SA6	04.64.05	from /BB to /EE	Version is blocked.	
7SA6	04.65.01	from /BB to /FF	Running with parameter set 04.60.10, 04.61.06, 04.63.04 and 04.65.01. Update from V04.10 is possible.	
7SA6	04.68.03	from /BB to /FF	Running with parameter set 04.60.10, 04.61.06, 04.63.04 and 04.65.01 and 04.68.03. Update from V04.10 is possible.	
7SA6	04.70.07	from /BB to /FF	from V04.70.02	from 4.71 + DIGSI-driver
7SA6	04.71.03	from /BB to /FF	from V04.70.02	from 4.71 + DIGSI - driver
7SA6	04.72.01			
7SA6	04.73.03			
7SA6	04.74.02			
7SC80	04.00.08	from /BB	from V04.00.08	from 4.85 + DIGSI - driver
7SC80	04.01.03		Generally no downgrade.	from 4.86 + DIGSI - driver
7SC80	04.02.04			
7SC80	04.03.07			from 4.87 + DIGSI - driver
7SC80	04.04.02			
7SC80	04.05.06	from /BB	from V04.05.06	
7SC80	04.06.00			from V4.87 + DIGSI –Treiber
7SC80	04.10.06			
7SC80	04.20.04	from /BB	from 04.20.04	
7SC80	04.21.00			
7SC80	04.22.01			
7SD52	04.00.09	from /BB to /DD	Only 04.00.09 possible.	from 4.1x + DIGSI-driver or from 4.2x
7SD52	04.01.03			

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
7SD52	04.10.03	from /BB to /DD	Only 04.10.03 and 04.11.04 possible.	from 4.1x + DIGSI-driver or from 4.2x
7SD52	04.11.04	from /BB to /DD	Only 04.11.04 possible. Update of parameter set >= V04.10.03 to 04.11.04 is possible.	from V4.21 + DIGSI-driver
7SD52	04.21.01	from /BB to /DD	Only 04.20.04 possible. Update of parameter set >= 04.11.04 is possible.	from 4.4x + DIGSI-driver
7SD52	04.22.01	from /BB to /DD	Only 04.20.04 and 04.22.01 possible. Update of parameter set >= 04.11.04 is possible.	
7SD52	04.24.01	from /BB to FF	Only 04.20.04, 04.22.01 and 04.23.05 possible. Update of parameter set >= 04.11.04 is possible.	
7SD52_53	04.30.11	from /BB ¹⁾ to /FF	Only parameter set V04.30. and 04.32	from 4.4x + DIGSI-driver
7SD52_53	04.31.01			
7SD52_53	04.32.04	from /BB ¹⁾ to /FF	Only parameter set 04.32. Update of 4.00, 4.01, 4.20, 4.22 and 4.23 possible.	from 4.6x + Service Pack 1 + DIGSI-driver
7SD52_53	04.33.04	from /BB ¹⁾ to /FF	Compatible to parameter sets V4.30, V4.32, V4.33 Update of V4.10, V4.11, V4.20, V4.22, V4.23, V4.30, V4.32	
7SD52_53	04.60.07	from /EE, (80MHz CCPU)	Executable with parameter set 04.60.07.	from 4.6x + DIGSI-driver
7SD52_53	04.61.04	from /EE, (80MHz CCPU)		
7SD52_53	04.62.03	/EE, /FF (80MHz CCPU), from /GG (66MHz CCPU)	Executable with parameter set 04.60.07, 04.62.03. Older parameter sets can be upgraded.	from 4.6 + DIGSI-driver
7SD52_53	04.63.01	/EE, /FF (80MHz CCPU), from /GG (66MHz CCPU)	Executable with parameter set 04.60.07, 04.62.03. Older parameter sets can be upgraded.	
7SD52_53	04.70.08	from /GG (66MHz CCPU)	from V04.70.09	from 4.6 + DIGSI-driver
7SD52_53	04.71.05	From /GG (66MHz CCPU)	from V04.70.09	
7SD52_53	04.71.07	only /EE, /FF	from V04.70.09	
7SD52_53	04.72.01	from /GG		
7SD52_53	04.72.01a	/EE, /FF		
7SD52_53	04.73.03	from /EE		
7SD610	04.00.04	/BB	Only 04.00.04 possible.	from 4.2x + DIGSI-drive
7SD610	04.01.01	/BB		
7SD610	04.20.04	/BB, /CC	Only 04.20.04 possible. Update of 04.00.04 possible.	from 4.4x + DIGSI-driver
7SD610	04.21.01	/BB, /CC		
7SD610	04.22.01	/BB, /CC	Only 04.20.04 and 04.22.01 possible. Update of 04.00.04 possible.	
7SD610	04.23.05	/BB, /CC	Only 04.20.04, 04.22.01 and 04.23.05 possible. Update of 04.00.04 possible.	
7SD610	04.24.01	/DD		
7SD610	04.32.04	/BB, /CC, /DD	Only parameter set 04.32. Update of 4.00, 4.01, 4.20, 4.22 and 4.23 possible.	from 4.6x + Service Pack 1 + DIGSI-driver
7SD610	04.33.04	/BB, /CC,	Only V4.32 or V4.33. Update of V4.00, V4.01, V4.20,	

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
		/DD	V4.22, V4.23, V4.32	
7SD610	04.60.07	from /CC	Executable with parameter set 04.60.07. Update at 04.10 possible.	from 4.6x + DIGSI -driver
7SD610	04.61.04	from /CC		
7SD610	04.62.03	up to /CC with 40MHz CCPU; /DD with 80MHz CCPU; /EE with 66MHz CCPU	Executable with parameter set 04.60.07, 04.62.03. Older parameter sets can be upgraded.	from 4.6 + DIGSI - driver
7SD610	04.63.01	up to /CC with 40MHz CCPU; /DD with 80MHz CCPU; /EE with 66MHz CCPU	Executable with parameter set 04.60.07, 04.62.03. Older parameter sets can be upgraded.	from 4.6 + DIGSI - driver
7SD610	04.70.08	from /EE with 66MHz CCPU only /DD from /EE only /DD from /DD	from V04.70.09	from 4.6 + DIGSI-driver
7SD610	04.71.05			
7SD610	04.71.07			
7SD610	04.72.01			
7SD610	04.72.01a			
7SD610	04.73.03			
7SD80	04.60.08	from /BB	from V04.60.07	from 4.82 + DIGSI-driver
7SD80	04.61.06	from /BB	from V04.60.07	from 4.88 + DIGSI-driver
7SD80	04.62.01	from /BB	from V04.61.06	from 4.88 + DIGSI-Treiber
7SD80	04.63.02	from /BB	from V04.60.07	from 4.82 + DIGSI-driver
7SS522	04.60.07	without IEC61850 / EN100e from /BC (Fürth, LB...) from /BB (Berlin, BF...) with IEC61850 / EN100e from /FF (Berlin, BF...)	At 04.60.05 possible. Firmware version V04.6x only works with parameter set versions V04.60.05 and V04.61.06. No further update is available.	from 4.6x + DIGSI -driver
7SS522	04.61.06	without IEC61850 / EN100e from /BC (Fürth, LB...) from /BB (Berlin, BF...) with IEC61850 / EN100e from /FF (Berlin, BF...)		
7SS522	04.62.02	without IEC61850 / EN100e from /BC (Fürth, LB...) from /BB (Berlin, BF...)		

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
		with IEC61850 / EN100e from /FF (Berlin, BF...)		
7SS522	04.70.09	without IEC61850 / EN100e from /BC (Fürth, LB...) from /BB (Berlin, BF...) with IEC61850 / EN100e from /FF (Berlin, BF...)	At V04.70.09 possible. Update of parameter sets V04.6x is not possible.	from 4.6 + DIGSI - driver
7SS522	04.72.08	without IEC61850 / EN100e from /BC (Fürth, LB...) from /BB (Berlin, BF...) with IEC61850 / EN100e from /FF (Berlin, BF...)	from V04.70.09	from 4.6 + DIGSI-driver
7SS522	04.73.04	ohne IEC61850 / EN100e ab /BC (Fürth, LB...) ab /BB (Berlin, BF...) mit IEC61850 / EN100e ab /FF (Berlin, BF...)	Ab V04.70.09	ab 4.6 + DIGSI - Treiber
7ST61x_ 63x	04.01.02	from /BB	Parameter set not compatible to V04.00	from 4.5x + DIGSI-driver
7ST61x_ 63x	04.02.01	from /BB		
7ST61x_ 63x	04.03.01	from /BB		
7ST61x_ 63x	04.10.02	from /BB		
7ST61x_ 63x	04.20.02	from /BB		
7ST61x_ 63x	04.30.04	from /BB		
7ST61x_ 63x	04.31.01	from /BB		
7ST61x_ 63x	04.60.04	from /BB	from V04.60.04	from 4.6 + DIGSI-driver
7ST61x_6 3x	04.61.00	from /BB	from V04.61.00	from 4.7
7ST622	04.00.11	from /BB	Only 04.00.11 possible.	from 4.21 + DIGSI-driver
7UM61	04.00.11	from /BB	Only 04.00.11 possible.	from 4.2x + DIGSI-driver
7UM61	04.01.02	from /BB		
7UM61	04.10.06	from /BB	At 04.10.06 possible.	from 4.3x + DIGSI -driver
7UM61	04.11.01	from /BB		
7UM62	04.00.06	from /BB to /CC	Only 04.00.06 possible.	from 4.2x + DIGSI-from

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
7UM62	04.10.05	from /BB	Only 04.10.05 possible.	from 4.3x + DIGSI-driver
7UM62	04.11.04	to /CC		
7UM62	04.12.02	from /BB	04.10.05 and 04.12.01 possible.	
7UM62	04.13.01	to /CC		
7UM62	04.14.02	from /BB to /EE		
7UM62	04.60.07	from /BB	04.60.06 and 04.61.01 possible.	from 4.6x + DIGSI -driver
7UM62	04.61.01			
7UM62	04.62.01	from /BB	From parameter set 04.60.06 possible. Full performance range from 04.62.01	
7UM62	04.63.02	from /BB	From parameter set 04.60.06 possible. Full performance range from 04.62.01	
7UM62	04.64.01	from /BB	From parameter set 04.60.06 possible. Full performance range from 04.62.01	
7UM62	04.70.02	from /BB	From parameter set 04.60.06 possible. Full performance range from 04.62.01	from 4.86 + DIGSI -driver
7UM62	04.71.00	from /BB		
7UM62	04.70.02	ab /BB	from 04.71.02	from 4.86 + DIGSI -driver
7UM62	04.71.00	ab /BB	from 04.71.02	
7UT612	04.00.08	/BB only	Only 04.00.08 possible.	from 4.2x + DIGSI-driver
7UT612	04.01.01			
7UT612	04.02.03			
7UT612	04.03.02			
7UT612	04.04.04	/BB only	At 04.00.08 possible.	
7UT612	04.05.01			
7UT612	04.06.01			
7UT612	04.60.07	from /CC	V04.60.07	from 4.71+ DIGSI - driver
7UT612	04.62.07	from /CC	from V04.60.07	
7UT612	04.63.01	from /CC	from V04.60.04	
7UT612	04.64.05	from /CC		
7UT612	04.65.00	from /CC		
7UT613_63X	04.00.10	from /BB to /CC	Version is blocked.	from 4.4x + DIGSI -driver
7UT613_63X	04.01.05	from /BB to /CC	At 04.00.08 possible.	from 4.4x + DIGSI -driver
7UT613_63X	04.02.02	from /BB to EE		
7UT613_63X	04.03.01			
7UT613_63X	04.60.06	from /DD	Only 04.60.06 possible.	from 4.71 + DIGSI -driver
7UT613_63X	04.61.04	from /DD	from V04.60.06	
7UT613_63X	04.62.05			
7UT613_63X	04.63.01			
7UT613_63X	04.64.03			
7UT613_63x	04.65.02	from /DD		
7UT613_63x	04.65.02	from /DD	New parameter set V04.66.00	from 4.80 + DIGSI -driver
7UT613_63x	04.66.01	from /DD	from V04.60.06	from 4.80 + DIGSI -driver

Service information for the firmware update of SIPROTEC 4 – devices

device	firmware	hardware	parameter set compatibility	DIGSI
7UT613_6 3x	04.67.00	from /DD	from V04.60.06	from 4.80 + DIGSI -driver
7VE6X	04.00.08	/BB	Only 04.00.08 possible.	from 4.3x + DIGSI -driver
7VE6X	04.01.02	from /BB to /CC	Update of parameter set >= 04.00.08 is possible.	
7VE6X	04.60.04	from /BB	Only 04.60.03. Update of parameter set >= 04.00.08 is possible.	from 4.6x + DIGSI -driver
7VE6X	04.60.04	from /BB	Only 04.60.03	
7VE6X	04.61.01	from /CC	from V4.60	from 4.6x + DIGSI-driver
7VK61	04.00.06	from /BB to /CC	Only 04.00.06 possible.	from 4.21 + Service Pack 2 + DIGSI-driver
7VK61	04.01.01	from /BB		
7VK61	04.02.01	to /DD		
7VK61	04.03.01			
7VK61	04.60.03	from /BB to /EE	Only 04.60.03 possible.	from 4.6x + DIGSI -driver
7VK61	04.61.02	from /BB to /EE	Version is not available for order in the work. the setup files are only distributed by Internet.	from 4.6x + DIGSI -driver
7VK61	04.71.02	from /BB	from V04.60.03	

Table 1: Compatibility of hardware and parameter set

1) Additional MLFB – functionality of the version V4.30 (e. g. distance protection) requires issue number from /EE

After completion of the firmware loading procedure, the designations of the versions can again be checked by using table 2:

Overview device and module firmware (table)

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS-S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
6MD61	04.00.09	01.05.01	04.00.03	01.05.01	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	04.26.01	-
7SJ61/2/3	04.00.18	01.00.04	04.00.18	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD63	04.00.18	01.00.04	04.00.18	01.05.01	-	-	-	-	-	-	-	-	-	-	-
7SJ61/2	04.01.01	01.00.04	04.00.18	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD61	04.01.02	01.05.01	04.01.02	01.05.01	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	04.26.01	-
6MD61	04.02.03	01.05.01	04.02.03	-	02.03.01	-	04.03.01	-	-	-	-	-	-	04.26.01	-
7SJ61/2/3	04.10.08	01.01.02	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD63	04.10.08	01.01.02	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
7SJ61/2	04.11.01	01.01.02	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD63	04.11.01	01.01.02	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
7SJ61/2/3	04.12.03	01.02.01	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD63	04.12.03	01.02.01	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
7SJ61/2/3	04.13.04	01.02.01	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD63	04.13.04	01.02.01	04.10.08	01.05.01	-	-	-	-	-	-	-	-	-	-	-
7SJ61/2/3	04.14.01	01.02.01	04.13.04	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD63	04.14.01	01.02.01	04.13.04	01.05.01	-	-	-	-	-	-	-	-	-	-	-
7SJ61/2/3	04.20.18	01.02.01	04.20.13	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.20.18	01.02.01	04.20.13	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.21.03	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.21.03	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.22.01	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.22.01	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.23.01	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.23.01	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.25.01	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.25.01	01.02.01	04.21.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.27.03	01.03.03	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.27.03	01.03.03	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ63	04.28.03	01.03.03	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
6MD63	04.28.03	01.03.03	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SJ61/2	04.28.01	01.02.01	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SJ61/2	04.29.03	01.02.01	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
6MD63	04.29.01	01.03.03	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SJ63	04.29.01	01.03.03	04.27.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7SJ61/2	04.30.08	01.03.03	04.30.08	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ65	04.30.10	01.03.03	04.30.08	01.05.01	02.03.01	03.05.01	03.00.03	02.04.01	04.09.02	-	03.01.01	01.00.03	-	-	-
7SJ61/2	04.40.09	01.03.03	04.40.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ63	04.40.10	01.03.03	04.40.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ64	04.40.10	01.04.01	04.40.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.40.10	01.03.03	04.40.07	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2	04.41.02	01.03.03	04.40.07	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ63	04.41.04	01.03.03	04.40.07	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.41.04	01.03.03	04.40.07	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ63	04.42.03	01.03.03	04.41.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.42.03	01.03.03	04.41.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ64	04.42.04	01.04.01	04.41.04	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2	04.42.04	01.03.03	04.41.04	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ63	04.43.03	01.03.03	04.41.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.44.05	01.03.03	04.42.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.44.05	01.03.03	04.42.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ64	04.44.03	01.04.01	04.42.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.45.02	01.03.03	04.43.02	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.45.02	01.03.03	04.43.02	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ64	04.45.02	01.04.01	04.43.02	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.46.01	01.03.03	04.43.02	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/2/3	04.46.01	01.03.03	04.43.02	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ64	04.46.01	01.06.44	04.43.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.47.01	01.03.03	04.40.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/62	04.47.01	01.03.03	04.40.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ63	04.47.01	01.03.03	04.40.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ64	04.47.03	01.07.41	04.40.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.50.10	01.04.02	04.50.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ61/62	04.50.10	01.04.02	04.50.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ63	04.50.11	01.04.02	04.50.11	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7SJ64	04.50.10	01.06.44	04.50.11	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.51.02	01.04.02	04.50.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
6MD63	04.60.10	01.04.02	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ61/62	04.60.12	01.04.02	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ63	04.60.11	01.04.02	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ64	04.60.11	01.06.44	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ62/63	04.61.01	01.04.02	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ64	04.61.01	01.06.44	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
6MD63	04.62.03	01.04.02	04.62.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ61/62	04.62.03	01.04.02	04.62.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ63	04.62.03	01.05.01	04.62.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ64	04.62.03	01.07.41	04.62.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
6MD63	04.63.02	01.05.01	04.63.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ61/62	04.63.02	01.04.02	04.63.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ63	04.63.02	01.05.01	04.63.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ64	04.63.03	01.07.41	04.63.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ61/62	04.64.01	01.04.02	04.64.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ63	04.64.02	01.05.01	04.64.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ64	04.64.01	01.07.41	04.64.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
6MD63	04.64.02	01.05.01	04.64.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ61/62	04.65.01	01.04.02	04.65.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
6MD63	04.65.02	01.05.01	04.65.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
6MD63	04.66.04	01.05.01	04.66.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ61/62	04.67.02	01.04.02	04.67.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ63	04.67.01	01.05.01	04.67.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ63	04.68.00	01.05.01	04.67.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
6MD63	04.69.04	01.05.01	04.68.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ63	04.69.04	01.05.01	04.68.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
6MD63	04.70.00	01.05.01	04.68.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ61/62	04.70.12	01.05.01	04.70.11	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	-	-
7SJ63	04.70.00	01.05.01	04.68.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SJ64	04.70.12	01.11.41 ³⁾	04.70.11	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	-	-
7SJ64	04.70.12	02.01.01 ²⁾ *	04.70.11	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	-	-
7SJ61/62	04.71.04	01.05.01	04.71.04	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.71.04	01.11.41 ³⁾	04.71.02	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.71.04	02.01.01 ²⁾ *	04.71.02	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.72.03	01.11.41 ³⁾	04.72.03	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.72.03	02.01.01 ²⁾ *	04.72.03	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ61	04.73.05	01.05.01	04.73.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ62	04.73.06	01.05.01	04.73.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.73.05	01.12.41 ³⁾	04.73.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.73.05	02.02.01 ²⁾	04.73.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.74.03	01.12.41 ³⁾	04.74.03	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.74.03	02.02.01 ²⁾	04.74.03	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS-S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7SJ61/62	04.80.05	01.05.01	04.80.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.80.06	01.11.41 ³⁾	04.80.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.80.06	02.01.01 ²⁾	04.80.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ61/62	04.81.04	01.07.03	04.81.04	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.81.04	01.12.41 ³⁾	04.81.04	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.81.04	02.02.01 ²⁾	04.81.04	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ61/62	04.81.04	01.07.03	04.82.01	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.90.05	01.12.41 ³⁾	04.90.05	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.90.05	02.02.01 ²⁾	04.90.05	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ61/62	04.92.03	01.10.01	04.92.03	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.92.03	01.12.41 ³⁾	04.92.03	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.92.03	02.02.01 ²⁾	04.92.03	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ61/62	04.93.01	01.12.00	04.93.01	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.93.01	01.17.41 ³⁾	04.93.01	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ64	04.93.01	02.07.01 ²⁾	04.93.01	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ62	04.94.00	01.12.00	04.94.00	-	02.03.01	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7RW80	04.61.02	01.04.01	04.60.04	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7RW80	04.62.00	01.20.04	04.60.06	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7SJ80	04.60.16	01.00.14	04.60.16	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.60.16	01.00.14	04.60.16	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.61.06	01.01.02	04.61.06	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.61.06	01.01.02	04.61.06	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.62.04	01.02.03	04.62.04	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.62.04	01.02.03	04.62.04	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.63.05	01.04.01	04.63.04	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.63.05	01.04.01	04.63.04	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.64.04	01.04.01	04.64.02	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.64.04	01.04.01	04.64.02	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.71.00	01.12.01	04.71.01	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.71.00	01.12.01	04.71.01	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.72.02	01.12.01	04.72.02	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.72.02	01.12.01	04.72.02	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.73.02	01.20.04	04.73.02	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.74.05	01.22.00	04.74.05	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SK80	04.74.05	01.22.00	04.74.05	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SJ80	04.75.00	01.22.00	04.74.05	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7SJ81	04.60.04	01.03.02	04.60.03	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SJ81	04.70.05	01.11.01	04.70.05	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
7SK81	04.70.05	01.11.01	04.70.05	-	-	-	04.03.01	-	04.09.02	01.01.01	-	04.00.05	-	04.26.01	01.04.04
6MD663/4	04.01.01	01.04.01	04.01.01	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD663/4	04.11.03	01.04.01	04.11.03	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD663/4	04.12.04	01.04.01	04.12.03	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD663/4	04.13.02	01.04.01	04.14.06	01.05.01	-	-	-	-	-	-	-	-	-	-	-
6MD662/3/4	04.20.09	01.04.01	04.21.01	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	-	-
6MD662/3/4	04.30.03	01.04.01	04.30.02	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	-	-
6MD662/3/4	04.31.02	01.04.01	04.31.01	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	-	-
6MD662/3/4	04.32.03	01.04.01	04.32.03	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	-	-
6MD662/3/4	04.33.02	01.05.03	04.32.03	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	-	-
6MD662/3/4	04.60.10	01.06.44	04.60.09	01.05.01	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.61.02	01.06.44	04.60.09	01.05.01	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.62.04	01.07.41	04.62.04	01.05.01	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.63.01	01.07.41	04.63.01	01.05.01	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.64.02	01.07.41	04.64.01	01.05.01	02.03.01	03.05.01	04.03.01	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.70.03	01.07.41	04.70.02	01.05.01	02.03.01	03.05.01	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.71.03	01.12.01	04.71.03	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.71.03	02.02.01 ²⁾	04.71.03	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.80.06	01.11.41	04.80.06	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.80.06	02.01.01 ²⁾	04.80.06	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.81.03	01.12.41	04.81.03	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.81.03	02.01.01 ²⁾	04.81.03	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.82.05	01.12.41	04.82.04	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.82.05	02.02.01 ²⁾	04.82.04	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.83.03	02.04.01	04.83.02	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.84.02	01.17.00	04.83.02	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD662/3/4	04.84.02	02.07.00 ²⁾	04.83.02	-	02.03.01	-	04.03.01 ⁴⁾	-	-	-	-	-	-	04.26.01	-
6MD665	04.01.01	01.04.01	04.01.01	01.05.01	-	-	-	-	-	-	-	-	01.01.01	-	-
6MD665	04.02.01	01.04.01	04.01.01	01.05.01	-	-	-	-	-	-	-	-	01.01.01	-	-
6MD665	04.11.03	01.04.01	04.11.03	01.05.01	-	-	-	-	-	-	-	-	01.01.01	-	-
6MD665	04.12.02	01.04.01	04.12.01	01.05.01	-	-	-	-	-	-	-	-	01.01.01	-	-
6MD665	04.20.07	01.04.01	04.20.07	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	01.01.01	-	-
6MD665	04.30.01	01.04.01	04.30.02	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	01.01.01	-	-
6MD665	04.31.01	01.04.01	04.30.02	-	02.03.01	03.05.01	04.03.01	-	-	-	-	-	01.01.01	-	-

Service information for the firmware update of SIPROTEC 4 – devices

7RW80	04.61.02	01.04.01	04.60.06	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7RW80	04.62.00	01.20.04	04.60.06	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7SA522	04.10.08	01.03.01	04.10.08	-	-	-	-	-	-	-	-	-	-	-	-
7SA522	04.11.01	01.04.01	04.10.08	-	-	-	-	-	-	-	-	-	-	-	-
7SA522	04.20.09	01.04.01	04.20.11	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.21.02	01.04.01	04.20.11	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.22.03	01.04.01	04.22.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.32.01	01.04.01	04.30.06	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.34.03	01.05.01	04.34.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.35.02	01.06.04	04.34.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.36.01	01.06.04	04.34.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.37.01	01.07.01	04.34.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.38.01	01.07.01	04.34.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA522	04.60.11	01.06.04	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.61.06	01.07.01	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.62.01	01.07.01	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.63.04	01.07.01	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.65.01	01.11.01 ¹⁾	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.65.01	02.01.01 ²⁾	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.68.03	01.12.01	04.68.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.68.03	02.02.01	04.68.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.70.07	01.13.01	04.70.07	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.70.07	02.03.01	04.70.07	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.71.03	02.03.01	04.71.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.72.01	02.03.01	04.72.00	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.73.03	01.15.01 ¹⁾	04.73.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.73.03	02.06.00 ²⁾	04.73.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.74.02	01.17.01 ¹⁾	04.73.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA522	04.74.02	02.07.00 ²⁾	04.73.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.00.07	01.03.01	04.00.07	01.05.01	-	-	-	-	04.09.02	-	-	-	-	-	-
7SA6	04.01.01	01.03.01	04.00.07	01.05.01	-	-	-	-	04.09.02	-	-	-	-	-	-
7SA6	04.02.01	01.04.01	04.00.07	01.05.01	-	-	-	-	04.09.02	-	-	-	-	-	-
7SA6	04.03.01	01.04.01	04.00.07	01.05.01	-	-	-	-	04.09.02	-	-	-	-	-	-
7SA6	04.20.09	01.04.01	04.20.11	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.21.02	01.04.01	04.20.11	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.22.03	01.04.01	04.22.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.32.01	01.04.01	04.30.06	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.34.03	01.05.01	04.34.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.35.02	01.06.04	04.34.03	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.36.01	01.06.04	04.34.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS-S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7SA6	04.37.01	01.07.01	04.34.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.38.01	01.07.01	04.34.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SA6	04.60.11	01.06.04	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.61.06	01.07.01	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.62.01	01.07.01	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.63.04	01.07.01	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.65.01	01.11.01 ¹⁾	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.65.01	02.01.01 ²⁾	04.60.10	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.68.03	01.12.01	04.68.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.68.03	02.02.01	04.68.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.70.07	01.13.01	04.70.07	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.70.07	02.03.01	04.70.07	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.71.03	02.03.01	04.71.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.72.01	02.03.01	04.72.00	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.73.03	01.15.01	04.73.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.73.03	02.06.00	04.73.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.74.02	01.17.01 ¹⁾	04.73.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SA6	04.74.02	02.07.01 ²⁾	07.73.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	-	-	-	04.26.01	-
7SC80	04.00.08	01.00.07	04.00.08	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.01.03	01.01.02	04.01.03	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.02.04	01.02.04	04.02.04	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.03.07	04.03.07	04.03.07	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.04.02	04.03.07	04.03.07	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.05.06	01.04.04	04.05.06	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.06.00	01.04.04	04.05.06	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.10.06	01.05.02	04.10.06	-	-	-	04.03.01	-	04.09.02	01.02.01	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.10.06	01.05.02	04.11.01	-	-	-	04.03.01	-	04.09.02	01.02.01	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.20.04	01.06.00	04.20.03	-	-	-	04.03.01	-	04.09.02	01.02.01	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.21.00	01.06.00	04.20.04	-	-	-	04.03.01	-	04.09.02	01.02.01	-	04.00.05	-	04.26.01	01.04.04
7SC80	04.22.01	01.06.00	04.22.02	-	-	-	04.03.01	-	04.09.02	01.02.01	-	04.00.05	-	04.26.01	01.04.04
7SD52	04.00.09	01.03.01	04.00.09	-	-	-	-	-	-	-	-	-	-	-	-
7SD52	04.01.03	01.04.01	04.00.09	-	-	-	-	-	-	-	-	-	-	-	-
7SD52	04.10.03	01.04.01	04.10.03	-	-	-	-	-	-	-	-	-	-	-	-
7SD52	04.11.04	01.04.01	04.11.04	-	-	-	-	-	-	-	-	-	-	-	-
7SD52	04.21.01	01.04.01	04.20.04	-	-	03.05.01	04.03.01	-	04.09.02	-	-	-	-	-	-
7SD52	04.22.01	01.05.01	04.22.01	-	-	03.05.01	04.03.01	-	04.09.02	-	-	-	-	-	-

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7SD52	04.24.01	01.06.04	04.23.05	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD52_53	04.30.11	01.06.04	04.30.11	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD52_53	04.31.01	01.06.04	04.30.11	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD52_53	04.32.04	01.07.01	04.32.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD52_53	04.33.04	01.07.01	04.30.11	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD52_53	04.60.07	01.11.01	04.60.07	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD52_53	04.61.04	01.11.01	04.61.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SD52_53	04.61.04	02.01.01 ²⁾	04.61.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SD52_53	04.62.03	01.11.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.62.03	02.01.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.63.01	01.11.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.63.01	02.01.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.70.08	02.03.01	04.70.10	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.71.05	02.03.01	04.71.05	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.71.07	02.03.01	04.71.05	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.73.03	02.06.00	04.73.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD52_53	04.73.03	02.06.00	04.73.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD610	04.00.04	01.04.01	04.00.04	-	-	-	-	-	-	-	-	-	-	-	-
7SD610	04.01.01	01.04.01	04.00.04	-	-	-	-	-	-	-	-	-	-	-	-
7SD610	04.20.04	01.04.01	04.20.04	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.21.01	01.04.01	04.20.04	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.22.01	01.05.01	04.22.01	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.23.05	01.06.04	04.23.05	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.24.01	01.06.04	04.23.05	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.32.04	01.07.01	04.32.04	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.33.04	01.07.01	04.30.11	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.60.07	01.11.01	04.60.07	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7SD610	04.61.04	01.11.01	04.61.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SD610	04.61.04	02.01.01 ²⁾	04.61.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7SD610	04.62.03	01.11.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD610	04.62.03	02.01.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD610	04.63.01	01.11.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD610	04.63.01	02.01.01	04.62.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD610	04.70.08	02.03.01	04.70.09	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD610	04.71.05	02.03.01	04.71.05	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD610	04.71.07	02.03.01	04.71.05	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS-S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7SD610	04.73.03	02.06.00	04.73.03	01.05.01 ⁵⁾	02.03.01	03.05.01 ⁵⁾	04.03.01	02.04.01 ⁵⁾	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7SD80	04.60.08	01.10.03	04.60.07	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SD80	04.61.06	01.22.00	04.61.06	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	01.04.04
7SD80	04.62.01	01.22.00	04.62.03	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	--	04.26.01	01.04.04
7SD80	04.63.02	01.22.00	04.63.02	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	--	04.26.01	01.04.04
7SS522	04.60.07	01.03.01	04.60.05	-	-	-	-	-	-	-	-	-	-	04.26.01	-
7SS522	04.61.06	01.04.02	04.61.06	-	-	-	-	-	-	-	-	-	-	04.26.01	-
7SS522	04.62.02	01.04.02	04.61.04	-	-	-	-	-	-	-	-	-	-	04.26.01	-
7SS522	04.70.09	01.04.02	04.70.09	-	-	-	-	-	-	-	-	-	-	04.26.01	-
7SS522	04.72.08	01.04.02	04.72.01	-	-	-	-	-	-	-	-	-	-	04.26.01	-
7SS522	04.73.04	01.04.02	04.73.04	-	-	-	-	-	-	-	-	-	-	04.26.01	-
7ST61x_63x	04.01.02	01.06.04	04.01.01	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	04.00.05	-	-	-
7ST61x_63x	04.02.01	01.06.04	04.01.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST61x_63x	04.03.01	01.06.04	04.01.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST61x_63x	04.10.02	01.06.04	04.10.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST61x_63x	04.20.02	01.07.01	04.20.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST61x_63x	04.30.04	01.07.01	04.30.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST61x_63x	04.31.01	01.07.01	04.30.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST61x_63x	04.61.00	01.12.01	04.61.00	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST61x_63x	04.61.00	02.01.01 ²⁾	04.61.00	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7ST622	04.00.11	01.04.01	04.00.11	-	-	03.05.01	04.03.01	-	-	-	-	-	-	-	-
7UM61	04.00.11	01.03.03	04.00.11	-	-	03.05.01	04.03.01	-	-	-	-	-	-	-	-
7UM61	04.01.02	01.03.03	04.00.11	-	-	03.05.01	04.03.01	-	-	-	-	-	-	-	-
7UM61	04.10.06	01.03.03	04.10.06	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM61	04.11.01	01.03.03	04.10.06	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM62	04.00.06	01.04.01	04.00.06	-	-	03.05.01	04.03.01	-	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM62	04.10.05	01.04.01	04.10.05	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM62	04.11.04	01.04.01	04.10.05	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM62	04.12.02	01.04.01	04.12.01	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM62	04.13.01	01.04.01	04.12.01	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM62	04.14.02	01.06.44	04.12.01	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UM62	04.60.07	01.07.41	04.60.06	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UM62	04.61.01	01.07.41	04.61.01	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UM62	04.62.01	01.07.41	04.62.01	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UM62	04.63.02	01.11.01	04.63.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UM62	04.63.02	02.01.01 ²⁾	04.63.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UM62	04.64.01	01.11.01	04.63.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UM62	04.64.01	02.01.01 ²⁾	04.63.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7UM62	04.70.02	01.11.01	04.70.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	
7UM62	04.70.02	02.01.01 ²⁾	04.70.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	
7UM62	04.71.00	01.11.01	04.70.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UM62	04.71.00	02.01.01 ²⁾	04.70.02	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT612	04.00.08	01.03.03	04.00.08	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT612	04.01.01	01.03.03	04.00.08	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT612	04.02.03	01.03.03	04.00.08	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT612	04.03.02	01.03.03	04.00.08	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT612	04.04.04	01.04.02	04.00.08	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT612	04.05.01	01.04.02	04.00.08	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT612	04.06.01	01.04.02	04.00.08	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT612	04.60.07	01.05.03	04.60.07	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7UT612	04.62.07	01.05.03	04.62.07	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7UT612	04.63.01	01.07.03	04.62.07	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7UT612	04.64.05	01.11.01	04.64.05	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7UT612	04.65.00	01.12.00	04.65.01	-	02.03.01	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7UT613_63X	04.00.10	01.04.01	04.00.10		02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-		04.00.05	-	-	-
7UT613_63X	04.01.05	01.05.03	04.01.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT613_63X	04.02.02	01.06.44	04.01.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT613_63X	04.03.01	01.06.44	04.01.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7UT613_63X	04.60.06	01.10.01	04.60.06	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.61.04	01.10.01	04.61.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.61.04	02.00.03 ²⁾	04.61.04	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.62.05	01.10.01	04.62.05	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.62.05	02.00.03 ²⁾	04.62.05	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.63.01	01.10.01	04.63.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.63.01	02.00.03 ²⁾	04.63.01	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.64.03	01.10.01	04.64.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.64.03	02.00.03 ²⁾	04.64.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.65.02	01.12.01	04.65.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.65.02	02.00.03 ²⁾	04.65.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.65.02	01.12.01	04.65.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.65.02	02.02.01 ²⁾	04.65.02	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.66.01	01.12.01	04.66.00	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.66.01	02.02.01 ²⁾	04.66.00	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7UT613_63X	04.67.00	01.17.00	04.67.00	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-

Service information for the firmware update of SIPROTEC 4 – devices

Device	Firm-ware	Boot-system	P-Set	P-FMS-Modul (HW-Rev02)	P-FMS-Modul (HW-Rev04)	P-DP-Modul (HW-Rev02)	P-DP-Modul (HW-Rev04)	DNP3.0-Modul (HW-Rev02)	DNP3.0-Modul (HW-Rev04)	DNP3 TCP	MODBUS-S-Modul (HW-Rev02)	MODBUS-Modul (HW-Rev04)	EN10-Modul	EN100-Modul	T103R-Modul
7UT613_63X	04.67.00	02.07.00 ²⁾	04.67.00	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	04.26.01	-
7VE6X	04.00.08	01.04.01	04.00.08	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	-	04.00.05	-	-	-
7VE6X	04.01.02	01.06.44	04.01.01	-	-	03.05.01	04.03.01	02.04.01	04.09.02	-	03.01.01	04.00.05	-	-	-
7VE6x	04.60.04	01.11.01	04.60.03	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7VE6x	04.60.04	02.01.01 ²⁾	04.60.03	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7VE6X	04.61.01	01.11.41	04.61.01	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7VE6X	04.61.01	02.01.01 ²⁾	04.61.01	-	-	-	04.03.01	-	04.09.02	-	-	04.00.05	-	04.26.01	-
7VK61	04.00.06	01.04.01	04.00.06	-	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7VK61	04.01.01	01.06.04	04.00.06	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7VK61	04.02.01	01.07.01	04.00.06	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7VK61	04.03.01	01.07.01	04.00.06	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	-	-
7VK61	04.60.03	01.11.01 ¹⁾	04.60.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7VK61	04.60.03	02.01.01 ²⁾	04.60.03	01.05.01	02.03.01	03.05.01	04.03.01	02.04.01	04.09.02	-	-	-	-	04.26.01	-
7VK61	04.61.02	01.11.01 ¹⁾	04.61.02	-	02.03.01	-	04.03.01	-	04.09.02	-	-	-	-	04.26.01	-
7VK61	04.61.02	02.01.01 ²⁾	04.61.02	-	02.03.01	-	04.03.01	-	04.09.02	-	-	-	-	04.26.01	-
7VK61	04.71.02	01.13.01 ¹⁾	04.71.02	-	02.03.01	-	04.03.01	-	04.09.02	-	-	-	-	04.26.01	-
7VK61	04.71.02	02.03.01 ²⁾	04.71.02	-	02.03.01	-	04.03.01	-	04.09.02	-	-	-	-	04.26.01	-

Table 2: Versions

Note: If the device is not equipped with a communication module for PROFIBUS-FMS, then always version 00.00.00 is displayed under P-Bus module.

¹⁾ at 80MHz CPU

²⁾ at 3,3 V CPU

* Automatic identification at FW upload

³⁾ /CC (old C-CPU) to /DD

⁴⁾ from FW V04.70 -> Profibus DP for HW-Rev. 4 redundant V04.50

⁵⁾ Attention! For HW-Revision 2 there is no new Loader. When required a module interchange is necessary.

9. Communication modules for PROFIBUS, MODBUS and DNP3.0

Hardware revisions of PROFIBUS modules

There exist two different hardware revisions for PROFIBUS communication modules:

- up to HW revision 3: delivery up to the beginning of year 2004
- from HW revision 4: replacement for modules up to HW revision 3, delivery from beginning of 2004

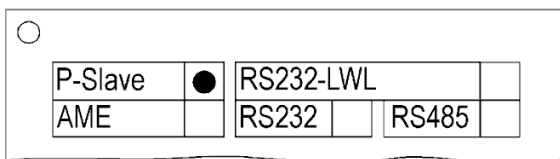
The communication modules up to HW revision 3 are functional compatible to the modules from HW revision 4.

Please note the dependency of the PROFIBUS firmware versions with the HW revisions (see Table 3).

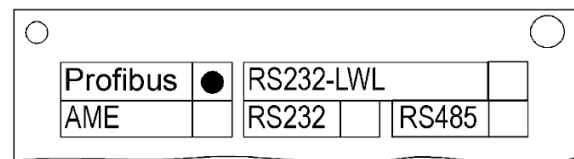
The hardware revision of the PROFIBUS communication modules is also recognizable in build-in condition at the rear of the SIPROTEC device at the labeling of the communication module mounting bracket:

- up to HW revision 3: identification "P-Slave"
- from HW revision 4: identification "Profibus"

Profibus RS485 (PSE module)

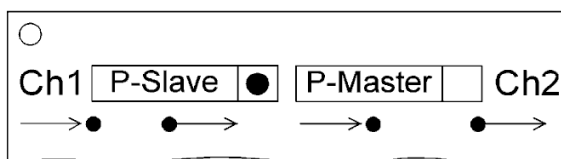


up to HW revision 3

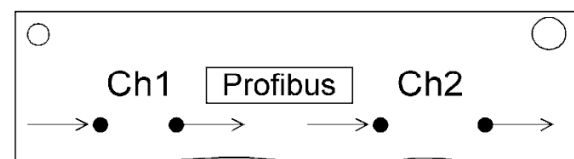


from HW revision 4

Profibus fibre-optical, double loop (PSO2 module)

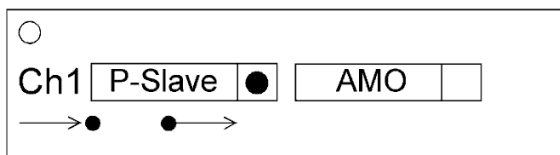


up to HW revision 3

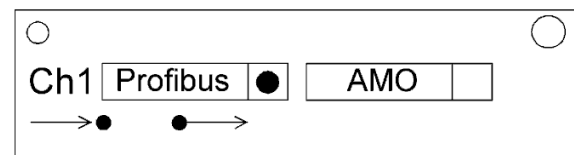


from HW revision 4

Profibus fibre-optical, single loop (PSO1 module)



up to HW revision 3



from HW revision 4

Hardware revisions of asynchronous modules

There exist two different hardware revisions for asynchronous communication modules:

- up to HW revision 3: delivery up to the end of year 2004
- from HW revision 4: replacement for modules up to HW revision 3, delivery from the end of year 2004

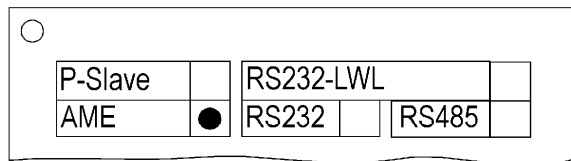
The communication modules up to HW revision 3 are functional compatible to the modules from HW revision 4.

Please note the dependency of the MODBUS and DNP3.0 firmware versions with the HW revisions (see Table 3).

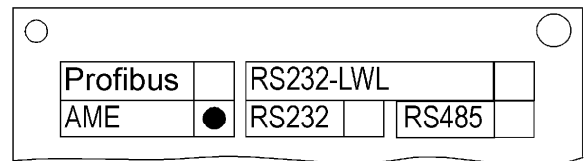
The hardware revision of the asynchronous communication modules is also recognizable in build-in condition at the rear of the SIPROTEC device at the labeling of the communication module mounting bracket:

- up to HW revision 3: identification table starts with "P-Slave"
- from HW revision 4: identification table starts with "Profibus"

Asynchronous module RS485 (AME module)

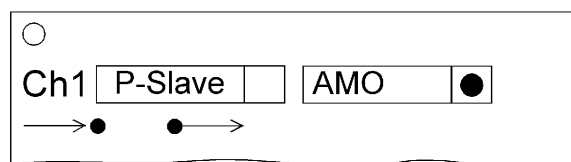


up to HW revision 3

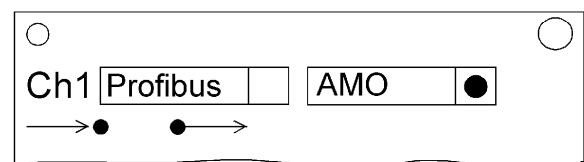


from HW revision 4

Asynchronous module fibre-optical (AMO module)



up to HW revision 3



from HW revision 4

Compatibility of communication module hardware with firmware versions

Please note the following listed compatibility between the hardware revisions of the communication modules and the firmware versions:

Hardware revision	Firmware versions to be used
up to HW revision 3	<ul style="list-style-type: none"> ▪ up to PROFIBUS-FMS V01 ▪ up to PROFIBUS-DP V03 ▪ up to MODBUS V03 ▪ up to DNP3.0 V02
from HW revision 4	<ul style="list-style-type: none"> ▪ from PROFIBUS-FMS V02 ▪ from PROFIBUS-DP V04 ▪ from MODBUS V04 ▪ from DNP3.0 V04

Table 3: Communication modules – Compatibility

Note

If, during loading of the firmware on the communication module, a non-compatible hardware revision is recognized, then the firmware update is cancelled.

Please, in case of an abort of loading the communication firmware, check first the dependencies indicated in Table 3.

After attempting to load a firmware version on a non-compatible hardware revision the device remains in the loader mode (display = empty, LED5 = ON, LED6 = flashing) and loading of a correct firmware version or an initial reset of the device is expected.

If no firmware shall be loaded in this situation, then the device has to be switched off and (after at least 3 sec) switched on again. The previous firmware configuration is then used furthermore.

Please check upon completion of the firmware update the correct result again with the version numbers at the device display (ref. to chap. 6).

Compatibility of communication module hardware with mapping files

PROFIBUS-DP, MODBUS and DNP3.0 require so-called mapping files for parameterization. These mapping files are selected in DIGSI and fix the data size as well as make bus specific settings possible.

There is no compatibility reduction between PROFIBUS-DP, Modbus and DNP3.0 mapping files of the SIPROTEC4 devices and the hardware revision of the communication modules, i.e.:

- the known mapping files for SIPROTEC4 devices, offered in DIGSI and used so far, are used for parameterization furthermore,
- existing parameterizations can be used further, even if a communication module up to HW revision 3 is replaced by a communication module from HW revision 4 (considering the firmware compatibility in Table 3).



WARNUNG

Beim Betrieb können in Geräten und Baugruppen je nach Ausführung und Anwendung gefährliche elektrische Spannungen und/oder hohe Drücke auftreten; betriebsbedingt können die Geräte aggressive Medien enthalten. Unsachgemäßer Umgang mit diesen Geräten kann deshalb zu schweren Körperverletzungen oder erheblichen Sachschäden führen.

Nur entsprechend qualifiziertes Personal sollte an diesem Gerät arbeiten.

Der einwandfreie und sichere Betrieb dieses Gerätes setzt sachgemäßen Transport, fachgerechte Lagerung, Aufstellung und Montage sowie sorgfältige Bedienung und Instandhaltung voraus.

Sollten Sie weitere Informationen wünschen, oder sollten besondere Probleme auftreten, die in der Anleitung nicht ausführlich genug behandelt werden, können Sie die erforderliche Auskunft über die örtliche Siemens-Niederlassung anfordern.

QUALIFIZIERTES PERSONAL

sind Personen, die mit Aufstellung, Montage, Inbetriebsetzung und Betrieb des Produktes vertraut sind und über entsprechende Qualifikationen verfügen, wie z.B.:

- Ausbildung oder Unterweisung bzw. Berechtigung Geräte/Systeme gemäß den Standards der Sicherheitstechnik für elektrische Stromkreise, hohe Drücke und aggressive Medien zu betreiben und zu warten.
- Ausbildung oder Unterweisung gemäß den Standards der Sicherheitstechnik in Pflege und Gebrauch angemessener Sicherheitsausrüstung
- Schulung in Erster Hilfe



WARNING

Dangerous voltages and/or high pressures may occur in devices and modules during operation depending on the design and application. The devices may also contain corrosive media during operation. Incorrect use of these devices can therefore result in severe personal injury or substantial damage to property.

Only suitably qualified staff should work on this device.

Correct and safe operation of this device is dependent on proper handling, installation, operation and maintenance.

Should you require further information, or should particular problems occur which are not handled in sufficient depth in the Instructions, help can be requested through your local Siemens Office or representative.

QUALIFIED PERSON

A "qualified person" is one who is familiar with the installation, construction and operation of the device and who has the appropriate qualifications, e.g.

- is trained and authorised to operate and maintain devices/systems in accordance with established safety practices for devices with electrical circuits, high pressures and corrosive media.
- is trained in the proper care and use of protective equipment in accordance with established safety practices.
- is trained in first aid.

Änderungen vorbehalten!

This document can be modified without notice!