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Startdrive: Canceling an upload

SINAMICS G120/G120D/G120C/G120P/G110M with CU2x0x-2

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1   General

Question

When attempting to upload the parameter settings of a converter/inverter in Startdrive, why is the procedure canceled with the "Firmware not identical" error message?

Cause

The firmware version of the configured SINAMICS drive must be the same as the firmware version (FW V) of the CU of the drive.
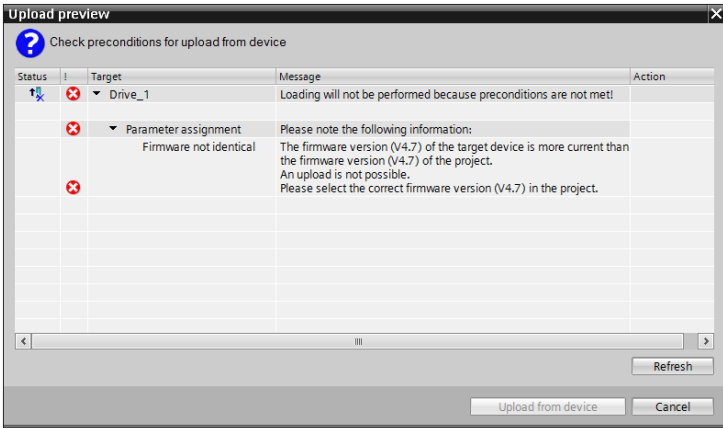
Remedy

The correct firmware version (FW V) should be selected in the project. Please find the FW V in parameter r0018 (or r0964).

The online as well as the offline help are described in the following chapter.

2 "Firmware not identical" error message when uploading

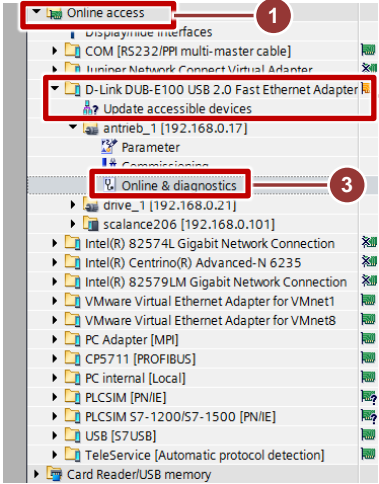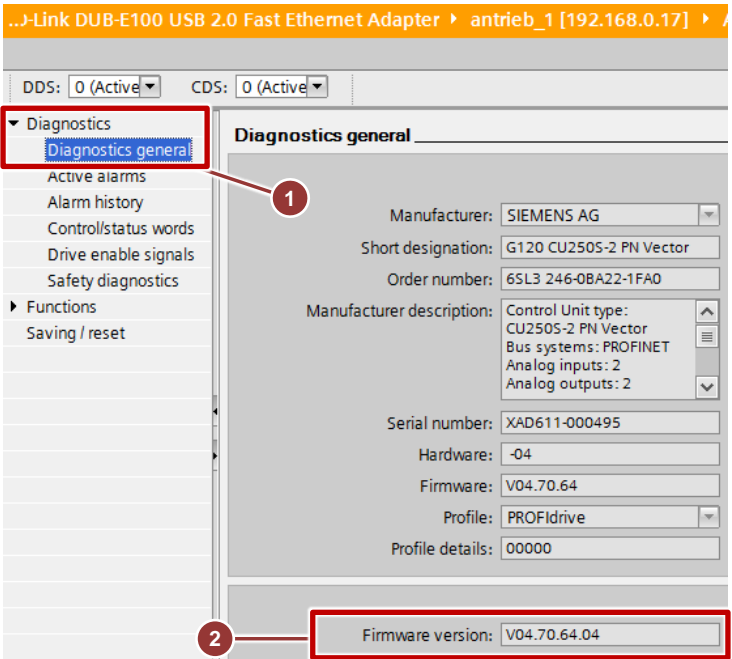| Note	Ensure that the firmware version of the configured drive matches the firmware version in the drive online!

Table 2-1

Step	Activity	Screenshot
1	When attempting to upload the parameter settings of a converter/inverter the procedure is canceled with the "Firmware not identical" error message. The error message refers to firmware version V4.7 of the target device and firmware version V4.7 of the project.	

3 Checking the firmware version online in the drive

3.1 Read out the firmware version in the diagnostics menu

Table 3-1

Step	Activity	Screenshot
1	Check the firmware version of the drive online: 1. In the project navigation, open "Online access". 2. Open the PG/PC interface being used and double-click on "Update accessible devices". 3. For the drive that is found, double click on "Online & diagnostics" to open it.	
2	1. Open "Diagnostics" followed by "Diagnostics general". 2. Read out the drive firmware version online under "Firmware version". Firmware version with internal coding V04.70.64.xx corresponds to firmware version V4.7 SP3 or V4.7.3 in the project.	

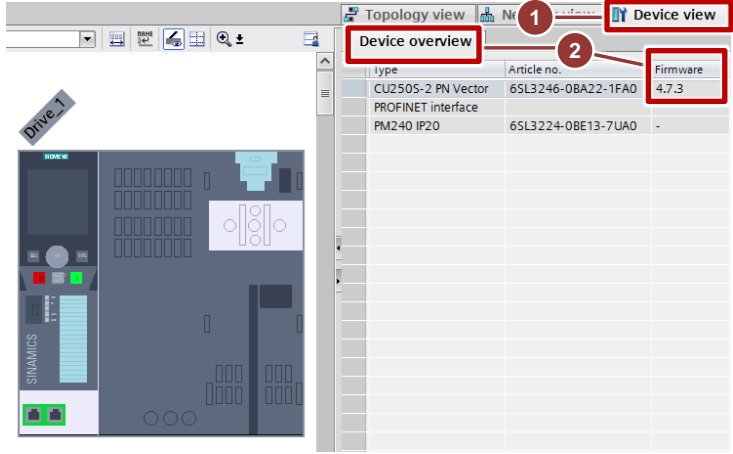## 3.2 Reading out the firmware version via parameter

Table 3-2

Step	Activity	Screenshot
1	Alternatively, you can read out the drive firmware version in parameter r0018[1]: 3. In the project navigation, open "Online access". 4. Open the PG/PC interface being used and double-click on "Update accessible devices". 5. For the drive that is found, double click on "Online & diagnostics" to open it.	
2	6. Open the "Parameter view" tab 7. Select "All parameters". 8. Read out the drive firmware version online in parameter r0018. Firmware version with internal coding V04.70.64.xx corresponds to firmware version V4.7 SP3 or V4.7.3 in the project.	

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[1] Please refer to r0964 Device identification

4 Testing the firmware version in the offline project

4.1 Check the firmware version in the device overview

Table 4-1

Step	Activity	Screenshot
1	9. Open the drive device view in the offline project. 10. Check the firmware version of the configured drive in the device overview.	

4.2 Check the firmware version in the properties

Table 4-2

Step	Activity	Screenshot
1	11. Alternatively, you can check the firmware version of the configured drive under properties. Open the "Properties" tab. 12. Click on "General". 13. Check the firmware version of the configured drive.	

Note	If the firmware versions in the drive and in the project differ, then the drive must be configured with the same firmware version in the project. Example Firmware version in the drive online: V04.70.64.xx corresponds to V4.7 SP3. In the project, the drive must be configured with firmware version V4.7.3. Please find mapping information regarding the firmware version under Entry-ID 67364620
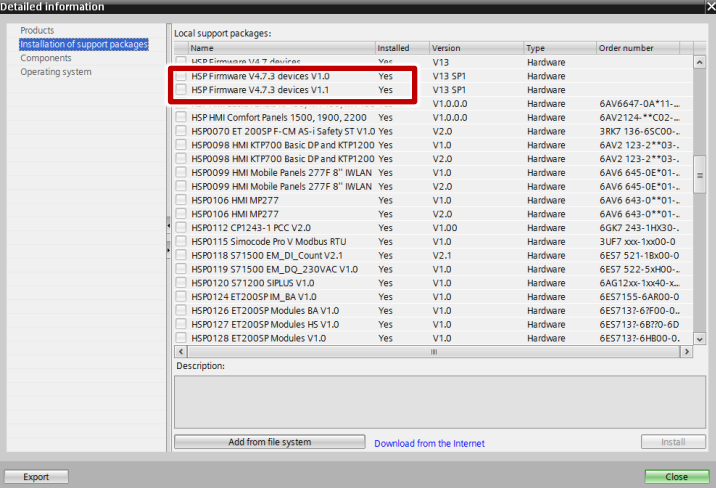
5 Checking and installing HSP

Table 5-1

Step	Activity	Screenshot
1	If you cannot configure the drive with the required firmware version from the hardware catalog, check whether the corresponding Hardware Support Packages (HSP) are installed: Open menu "Extras -> Support Packages" and check the installed HSP.	

Note	If the necessary HSPs for the SINAMICS drives in your Startdrive (TIA Portal) installation are missing, then you can download these under Entry ID: **68034568** and install them. Under Entry ID: **54163658** you will find a description of the procedure describing how you can update the hardware catalog of your Startdrive (TIA Portal) installation.

6 History

Table 6-1

Version	Date	Modifications
V1.0	02/2016	First version
V1.1	03/2016	Insert r0964