

# SIEMENS

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## Legal information

### Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

<b>! DANGER</b>
indicates that death or severe personal injury <b>will</b> result if proper precautions are not taken.

<b>! WARNING</b>
indicates that death or severe personal injury <b>may</b> result if proper precautions are not taken.

<b>! CAUTION</b>
indicates that minor personal injury can result if proper precautions are not taken.

<b>NOTICE</b>
indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

### Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

### Proper use of Siemens products

Note the following:

<b>! WARNING</b>
Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

### Trademarks

All names identified by ® are registered trademarks of Siemens AG. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

### Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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# Validity

## Validity

This update is valid for the following products:

- STEP 7 Basic V13 SP2
- STEP 7 Professional V13 SP2
- WinCC Basic V13 SP2
- WinCC Comfort V13 SP2
- WinCC Advanced V13 SP2
- WinCC Professional V13 SP2

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### Note

If you modify your system after installing the update with the product DVD, you will have to perform the update again.

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## Windows 7/Windows Server 2008 R2: Invalid certificate validation

The new certificates used for signing may possibly not be validated on the Windows 7 and Windows Server 2008 R2 operating systems.

If you do not have the possibility to update the certificate store online, the signature of the product files is displayed as invalid. In this case, update the root certificates provided by Microsoft on the offline systems. To do so, follow the instructions in FAQ 109748887 (<https://support.industry.siemens.com/cs/ww/en/view/109748887>).

## Note for installation under Windows 10

TIA Portal runs on Windows 10 1903 (19H1) and 1909 (19H2).



## Improvements in STEP 7

### 2.1 Improvements in Update 4

Update 4 contains the following improvements and changes:

#### Working with TIA Portal

Stability when working with TIA Portal has been improved, partly based on the feedback from returned crash reports.

### 2.2 Improvements in Update 3

Update 3 contains the following improvements and changes:

#### Security updates

Update 3 contains security-related improvements.

### 2.3 Improvements in Update 2

Update 2 contains the following improvements and changes:

#### Security updates

Update 2 contains security-related improvements.

#### Diagnostics event "Temporary CPU error (S7-1500/S7-1200 as of V4)"

The following sporadic message: "Serious firmware exception (not relevant for user, system code: 16#00400001, 16#10020065, 16#72A15A70)" no longer occurs during a complex program flow (e.g. large loops or jumps) with simultaneous multiple data block or structure accesses inside and outside of loops.



# Improvements in WinCC

## 3.1 Improvements in Update 3

Update 3 contains the following improvements and changes:

### Improvements in Runtime Professional

You have installed Windows 10 version 1709 on a PC with WinCC Professional and a PC with WinCC Runtime Professional. You have performed a Windows 10 update to version 1803 or version 1809 on the Runtime PC. After the Windows 10 Update under certain circumstances, it might no longer be possible in Runtime to:

- Compile a project without errors in the engineering system.
- Open a project loaded by the engineering system PC in runtime.

Solution: Set the start type of the service for the WinCC SQL instance manually to "Automatic (Delayed Start)" and restart the system.

## 3.2 Improvements in Update 2

Update 2 contains the following improvements and changes:

### Security Updates

Update 2 contains security-related improvements.

### S7-DOS V9

Do not deactivate the IPv4 protocol in the Ethernet properties for the network adapter or the SIMATIC Ethernet CPs if you want to use all of the functions of the new S7-DOS V9.

