<table>
<thead>
<tr>
<th>Version</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Validity</td>
</tr>
<tr>
<td>2.0</td>
<td>Important notes</td>
</tr>
<tr>
<td>3.0</td>
<td>Improvements in Update 4</td>
</tr>
<tr>
<td>4.0</td>
<td>Improvements in Update 3</td>
</tr>
<tr>
<td>5.0</td>
<td>Improvements in Update 2</td>
</tr>
<tr>
<td>6.0</td>
<td>Improvements in Update 1</td>
</tr>
</tbody>
</table>

08/2019
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.

<table>
<thead>
<tr>
<th><strong>DANGER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>indicates that death or severe personal injury <strong>will</strong> result if proper precautions are not taken.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>WARNING</strong></th>
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</thead>
<tbody>
<tr>
<td>indicates that death or severe personal injury <strong>may</strong> result if proper precautions are not taken.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>CAUTION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>indicates that minor personal injury can result if proper precautions are not taken.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>NOTICE</strong></th>
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<tbody>
<tr>
<td>indicates that property damage can result if proper precautions are not taken.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th><strong>WARNING</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

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.
Table of contents

1 Validity ..................................................................................................................................................5
2 Important notes ....................................................................................................................................7
3 Improvements in Update 4 ...................................................................................................................9
4 Improvements in Update 3 ................................................................................................................11
5 Improvements in Update 2 ................................................................................................................13
6 Improvements in Update 1 ................................................................................................................15
Validity

This update is valid for the following products:

- WinCC Runtime Professional V15.1

Note

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

Projects in Runtime after Windows 10 update

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 error-free in the Engineering System.
- open a project loaded from the Engineering System PC in Runtime.

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

Character sets after Windows 10 update

Since Windows 10 Update Version 1809, Windows allows to install character sets either with Administrator rights for each user (command "Install for all users" in the shortcut menu) or for specific users. In order to use WinCC character sets without restrictions and load them to an HMI device, the character sets must always be installed with Administrator rights.

Note that the "Install" button in the view of a character set only initiates a user-specific installation.
Improvements in Update 4

Update 3 contains the following improvements and changes:

Stability and performance
The stability and performance have been improved, among others, on account of the feedback received.

Screen objects
The display of SVG graphics has been improved.
Working with text fields has been improved.
The display of the PLC code view has been improved.

Dynamization
Working with C scripts at events of screen objects has been improved.

Alarms
Stability when working with PLC alarms has been improved.

WebUX
The values tables have been optimized with regard to WebUX.
The display of screen objects in the WebUX has been improved.
Improvements in Update 4
Improvements in Update 3

Update 3 contains the following improvements and changes:

**Stability and performance**

The stability and performance have been improved, among others, on account of the feedback received.
Improvements in Update 2

Update 2 contains the following improvements and changes:

**Stability and performance**

The stability and performance have been improved, among others, on account of the feedback received.

**Simulation via PLCSIM**

Simulation of a S7-1200 is supported via PLCSIM V15.1. You must compile the project completely before starting the simulation for the first time following an update.
Improvements in Update 1

Update 1 contains the following improvements and changes:

Stability and performance

The stability and performance have been improved, among others, on account of the feedback received.