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Firmware update of protection and control devices

Description

Firmware updates represent an integral part of ABB's life cycle management of protection and control devices. Firmware updates ensure optimal operation and performance, and an improved user experience throughout the entire life cycle of the protection devices.

Firmware update release notes provide the information you need to make the decision to implement the firmware update or not. The ideal time for a firmware update would be at device commissioning, during periodical testing or a maintenance break.

Firmware updates do not change the order or composition code of the protection and control device. Also product version, connectivity level, relay configuration, and parameters remain unchanged. Firmware updates do not affect product warranty.

Scope

Firmware updates are available for the following protection devices:

- 611 series
- 615 series
- 620 series
- 630 series
- REX610
- REX615
- REX640
- SSC600 and SSC600 SW

Download firmware

Available firmware updates are free-of-charge and easily accessible for secure download on [ABB Relays-Online](#). Downloading firmware requires sign-in/user registration.

To get started, enter the relay's serial number to view the available firmware updates.

Each firmware update includes:

- **1. Firmware update files**

Firmware update files provide the latest firmware update. The firmware is updated using the Protection and control IED manager PCM600, or for Relion 630 series SUT Lite.

The firmware update revisions are incremental. For instance, firmware update revision 4.0.5 for 615 series 4.0 IEC protection relays covers all improvements included in the previous revisions (4.0.1, 4.0.2, 4.0.3 and 4.0.4). Updating the firmware to the latest revision can be done irrespective of the current revision, for instance, from revision 4.0.2 to 4.0.5.

- **2. Release note**

The release note provides information about the specific improvements implemented. The release note also specifies the tools required for the firmware update.

- **3. Firmware update guideline**

The firmware update guidelines provide the workflow together with detailed instructions on how to perform the update.

The main steps of performing the update are described in the picture below. More detailed instructions can be found in the firmware update guidelines.

