Firmware update release 1.0.4 for 611 series IEC product version E protection relays

Scope

Firmware update release 1.0.4 is for the following 611 series protection relays:

- REF611
- REM611
- REB611

To verify that the firmware update applies to the protection relay version, ensure that the last character of the order code on the label on top of the human-machine interface (HMI) match the corresponding character of the order code in Fig. 1.

REx611xxxxxxxxxxxE

Fig 1.Order code of the 611 series protection relays

To identify the current firmware revision of the 611 series protection relay, please refer to Fig. 2.
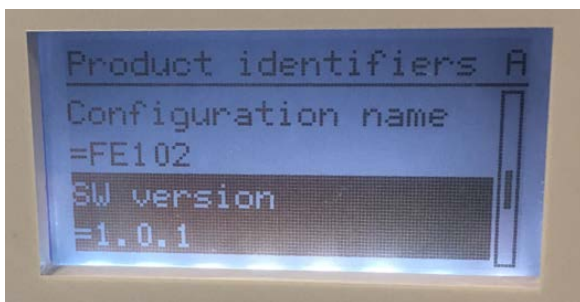

Fig. 2 Current firmware revision of the 611 series protection relay

Implemented usability improvements

The firmware update release includes usability improvements, but introduces no new functionality. The following improvements have been implemented:[1]

Communication

- Relay IP address change has been enabled in situations when GOOSE control warning message is present.

- WebHMI disconnection is prevented when SNTP address is changed without rebooting the relay.

Supervision

- Event indication of the time synchronization source has been improved.

Cyber security

- Onetime password (OTP) functionality has been added. This improvement provides a secure mechanism to access the protection relay in case ADMINISTRATOR password is lost.

Update procedure

Firmware updates represent an integral part of ABB's life cycle management of distribution protection and control relays. The updates ensure optimized usability throughout the relay's entire life cycle by offering the latest improvements. The ideal time for a firmware update would be during periodical testing or a maintenance break.

All 611 series IEC/CN version 1.0 (E) product deliveries dispatched later than March 9, 2016 include the stated relay firmware update 1.0.4.

Please note that ABB will not be liable for any direct or indirect costs related to the firmware update procedure. The update procedure shall be performed at the sole responsibility of the possessor of the installed base.

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[1] The relay firmware update may also include some minor usability improvements not listed in this note.