

ADMO

What's New in Version 5.10

Compared to Version 5.00

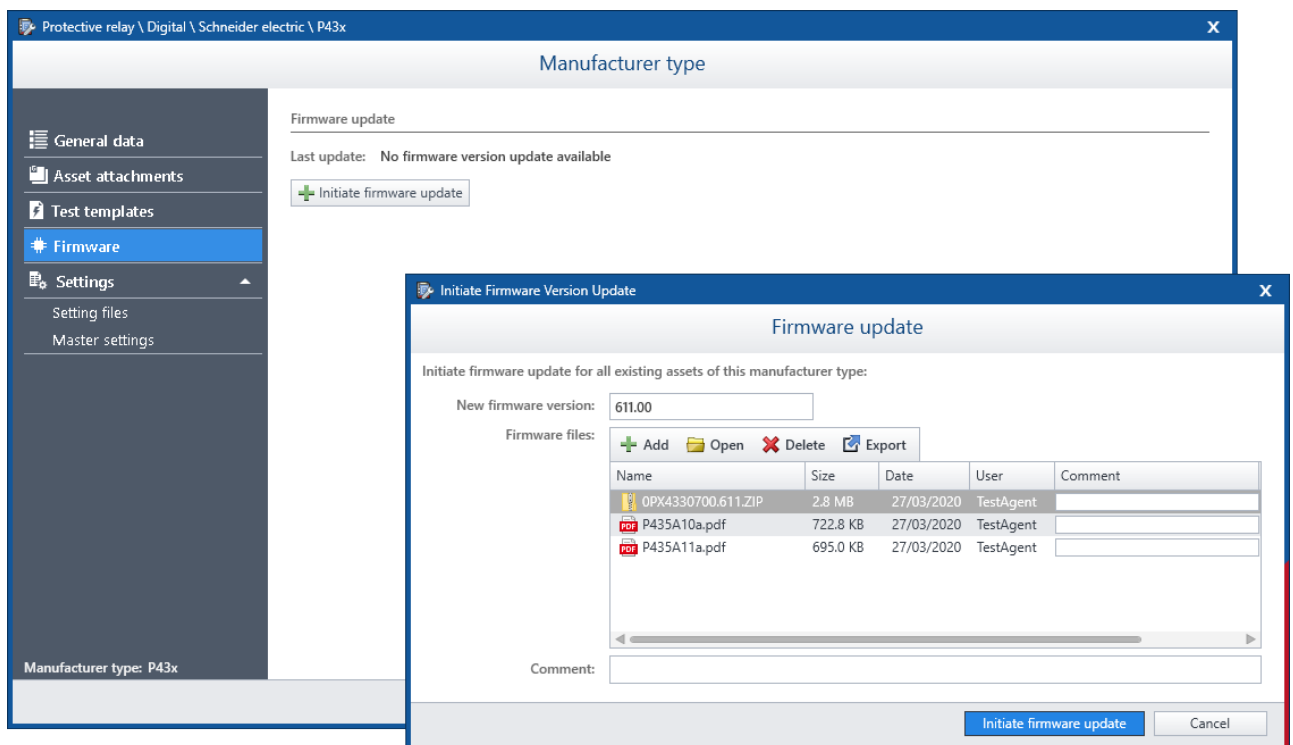


1 Firmware update assistance

A tool for supporting the firmware update process is a customer request that was becoming more and more urgent with the growing number of IEDs and the increasing frequency of firmware updates. *ADMO* now offers a feature that supports customers in initiating, updating, and keeping an overview of the firmware versions in their system.

1.1 Initiate a firmware update

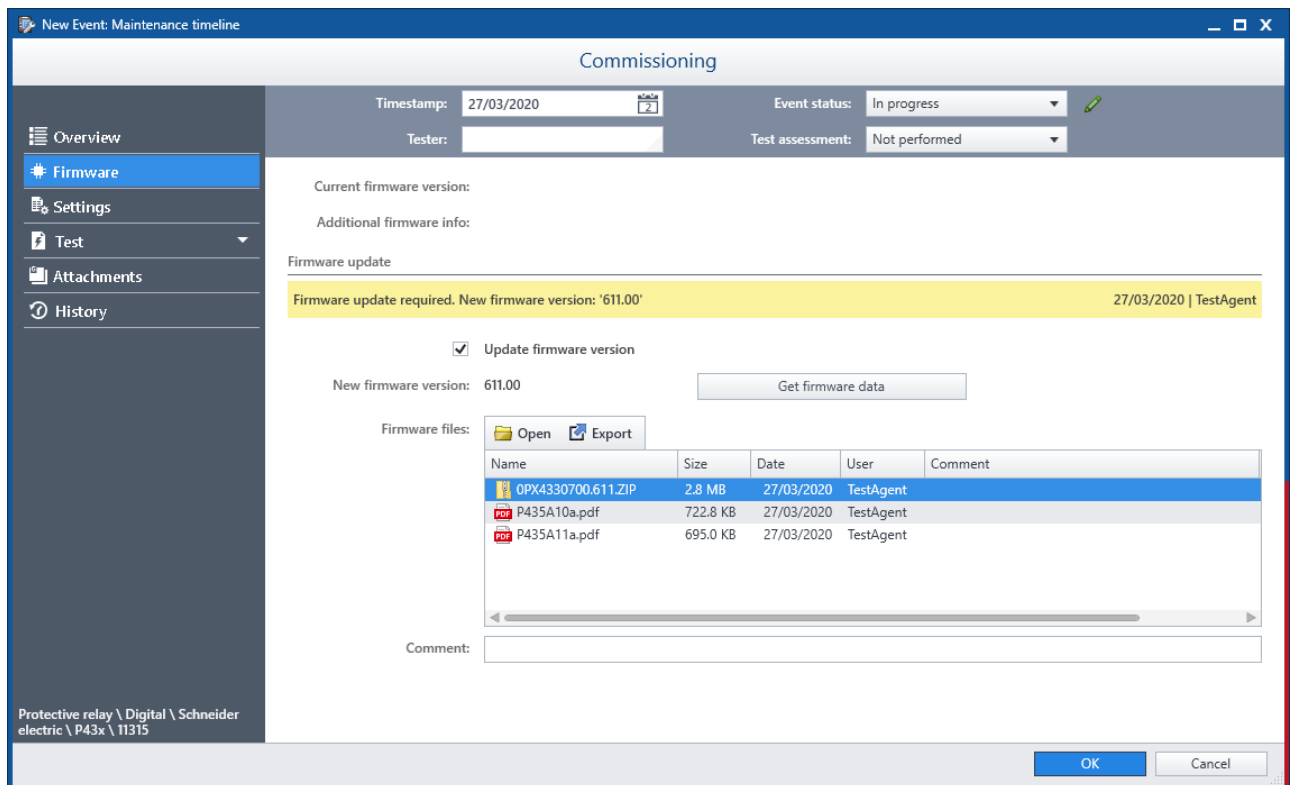
If a firmware update is required, the asset manager can initiate a firmware update request for all assets of a specific manufacturer type. It is possible to add data, such as the new firmware file, and a comment. This information is then distributed to all protective relays of this manufacturer type.



After initiating the firmware update request, a new status is displayed in the asset overview table indicating that a firmware update is required. In the **Firmware** tab and in commissioning and maintenance events of the corresponding assets, all necessary data for the firmware update is available.

1.2 Update the firmware version

A pending firmware update request is resolved by creating a commissioning or maintenance event. Even when working offline in the substation, the engineer can access all data required for the firmware update.



After completing the event, the firmware version number of the protective relay is updated, and a history entry is created.

2 Settings management improvements

ADMO 5.10 now offers some major improvements in the settings management functionality. The usability of handling setting parameters has also been improved (e.g. multi-selection and multi-edit function).

2.1 Import setting parameters of *.rdb files

With *ADMO* 5.00 the import of setting parameters was implemented. Now this feature also supports *.rdb files format; so it is possible to import and compare settings of SEL relays directly in *ADMO*.

2.2 Quick comparison of setting files

ADMO 5.10 now offers the possibility to compare setting parameters of an *.xrio and *.rdb file without importing these settings into the *ADMO* settings parameter table first. This allows to directly compare two setting files or to compare a setting file with settings imported into the settings parameter table. This feature covers the following customer use cases:

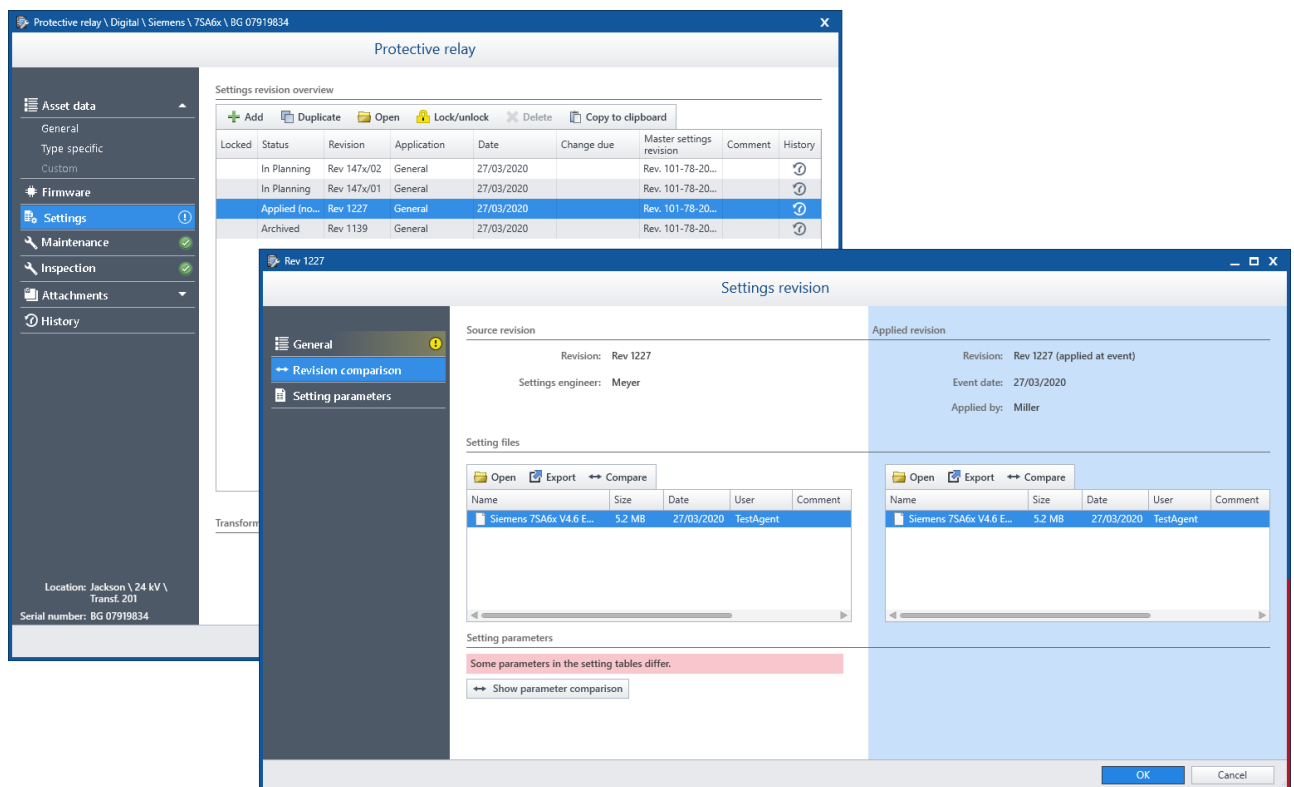
- As found/as left comparison
- Quick check after (re-)commissioning
- Comparing issued and applied setting revisions
- Comparing setting revisions of different assets

2.3 Settings revision workflow closed

A long-requested feature is to support the whole settings revision lifecycle in *ADMO*. Up to now, the workflow ended with storing the settings in a commissioning event. With *ADMO* 5.10, we have closed the loop and provide a manual (four-eyes principle; revision verification) and an automated workflow for applying setting revisions.

The new available functions include the following:

- Choose between the manual (four-eyes principle) and automated workflow in the asset configuration.
- After applying the revision in the field (i.e. performing a corresponding event), the data is automatically transferred to the asset.
- Compare the issued settings revision of the asset with the applied settings revision of the event to check if there are any differences.
- If the revision verification (four-eyes principle) is enabled, verify and apply the settings revision of the asset. If the revision verification is disabled, the applied settings revision of the event is automatically transferred to the asset.
- Always know which settings are applied in the field and what changes have been made to the settings revisions



3 License handling

Up to now, our customers had to request a new license key when replacing an existing user by a new one. We have implemented a basic license handling where license keys can be unassigned by the administrator. An overview of all currently used licenses helps to manage them. A license can be unassigned up to three times per year.

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and detailed contact information of our
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