

RELEASE NOTE – JUNE 19, 2019

# Release of Relion® REB500 version 8.3

The evolution of Relion REB500 continues with this release. The designation of this release is version 8.3.



# Introduction



REB500 distributed busbar protection belongs to the Relion protection and control product family. The product is designed to provide the core values of the IEC 61850 standard. REB500 supports different busbar protection philosophies. A distributed solution can be made by assigning each physical bay unit into the corresponding bay cubical. Alternatively, bay units can be integrated into centralized cubicles.

## New features and benefits



The following new features and their benefits are introduced in this update:

- GOOSE send for trip and remote trip enables Digital substation solutions where system design can be optimized, and copper wiring can be eliminated.
- The Bay Units can now include Synchro check and Auto Recloser functionality for complete line protection solutions as an addition to the busbar protection.
- Test Facility for testing trip circuits per feeder using the LHMI of the BU enables efficient testing of the BU and related wiring
- The availability of the protection system has been increased due to the reduced need for a reboot after changing protection settings and the shortened start-up time of the system.
- For enhanced utilization Multiple signal statuses it is now possible to assign multiple Signal to one LED on the LHMI.
- It is now possible to indicate Switchgear Position indication using multiple colors of one LED.
- It is now possible to indicate the Bay Unit connection status on the CU LHMI.
- Additional Disturbance Recorder channels (Phase difference) available at the Central Unit.
- New Signal “41850\_Time not in sync“ is set in case the time sync is missing.
- BFP blocks in case of a BFP start supervision alarm delay.

# PCM600 and IED connectivity package for REB500 version 8.3

PCM600 version 2.7 or later together with REB500 connectivity package version 8.3 will be required.

For further details about the connectivity package and its installation, please refer to the release note 1MRG034485.

## Documentation and marketing material

The product guides, technical manuals, technical summary sheets and brochures are available via [abb.com/protection-control](http://abb.com/protection-control).

## Ordering and delivery

REB500 series version 8.3 can be ordered as of today. For current delivery time, please get in touch with our sales contact at ABB Grid Automation Products.

Kind regards

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