

RELEASE NOTE 1MRG034485 – JUNE 19TH, 2019

IED Connectivity Package version 8.3 for Relion® REB500 series

The evolution of Relion REB500 series continues with this release.



We are pleased to announce the release of IED Connectivity Package version 8.3 for the Relion REB500 series.

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

This new version of the IED Connectivity Package for Relion REB500 series enables the interaction between the Relion REB500 series version 8.3 IEDs and the Protection and control IED manager PCM600 version 2.7 or later.

The new connectivity package enables support for the following features in PCM600 version 2.7 and Relion REB500 series version 8.3:

- Windows 8 and 10, with native 32-bit and 64-bit support.
- Support for PCM600 64-bit
- Read/write of configurations
- Online IED configuration revision comparison
- IEC 61850 Ed 2 support
- Cyber security (read of security events)



For detailed information on what is new in the Relion REB500 series version 8.3 IEDs, please refer to the release note 1MRG035176.

Supported products

The IED Connectivity Package version 8.3 for Relion REB500 series is compatible with, and supports, the following products:

- REB500 series IEDs version 8.3
- Protection and Control IED Manager PCM600 version 2.7 or later

Installation of this IED Connectivity Package

To install the IED connectivity package for Relion REB500 series, please follow the instruction below:

1. Ensure that PCM600 version 2.7 or later has been installed
2. Install the IED Connectivity Package version 8.3 for Relion REB500 series

The connectivity package can be installed from the PCM600 update manager. Please note that this IED connectivity package must be installed to be able to interact with the Relion REB500 series IEDs via PCM600.

Support for PCM600 version 2.7

The connectivity package for Relion REB500 series IEDs contains object types and methods for the PCM600 tool. Module for REB500 provide support for the following functionalities:

- Parameter setting
- Signal monitoring
- Disturbance handling
- Event viewer (internal, process and security events)



Known issues and limitations

There are known issues and limitations related to the new IED connectivity package and the data migration. For more information, please refer to the “Relion® REB500 series IED Connectivity Package version 8.3 Read me”, 1MRG034297.

IED Connect – a unique concept

The IED Connect provides you an IED specific connectivity package that contains a complete description of the protection and control IEDs you have ordered. This description consists, for instance, of data signals, parameters, addresses and IED documentation.

The signal data is configured based on the information provided by the connectivity package, which allows you to efficiently establish connection between the IED and the IED tools (e.g. Protection and control IED manager PCM600). Additionally, the IED Connect simplifies the system engineering and minimizes the risk of errors in integration of the IEDs in ABB’s system products and tools (e.g. MicroSCADA Pro, SDM600 and COM600 Station Automation series).

Documentation & marketing material

The product guides, technical manuals, technical summary sheets and brochures are available via abb.com/protection-control.

Ordering and delivery

The new version of the IED connectivity package can be downloaded via the PCM600 update manager.

Kind regards,

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