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### Enhancements added with the RET 521\*2.1 release

The product RET521\*2.1 is based on RET521\*2.0 and includes the following differences:

- 1 Better trip time accuracy for functions using inverse characteristics. Definite times adjusted to better reflect settings for very short time delays, typically less than 100ms.
- 2 Overexcitation protection (OVEX): Tailor made characteristics added
- 3 The parameter Frequency has been moved from Setting Groups to Configuration in the HMI-structure. The parameter can be used to select 50Hz or 60Hz power system frequency.
- 4 Disturbance recorder: Recording frequency for 60Hz-systems is 1200Hz (corresponding figure for 50Hz-systems is 1000Hz).
- 5 Voltage Control (VCTR): Setting parameter Uset got higher resolution, the step is changed from 1% to 0.1%.
- 6 Event function: Double indication added.
- 7 The use of external ferrites on the analog input module (AIM) is cancelled (this is valid for RET521\*2.0 as well).
- 8 Upgraded software tools:
  - SM/RET521\*2.1 (Supports new HMI structure, Bug fixes)
  - HV/RET521\*2.1 (Same as SM/RET521, Compatible with microSCADA 8.4.2)
  - HV/Voltage Control\*2.1 (Added support for operators place selection with no priority, Compatible with microSCADA 8.4.2)
  - CAP/RET521\*2.1 (Changed to support RET521\*2.1)
  - REVAL\*2.0 rev.1 (Added support for 1200Hz disturbance data)

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