

PURPOSE OF NOTIFICATION

Inform customers of new GPU2000R firmware V3.41 and GPUECP software V3.11 modifications developed to improve reliability, enhance security of operation and increase flexibility of application.

WHAT IS AFFECTED?

PROTECTION AUTOMATION

New firmware may be applied to existing and new GPU2000R units with Catalog Series 598V and 589W and new interface software GPUECP is available. These releases are not applicable to GPU2000R units Catalog Series 589R.

FIRMWARE UPGRADE RECOMMENDATION

- Perform upgrade immediately. (Mis-operation/No Operation)
- Perform upgrade at earliest convenience. (Application issue)
- Enhancement

Note: It is always recommended that the customer upgrade their interface software to the most recent version available, which in this case is GPUECP V3.11. This is available via Internet at www.abb.com/substationautomation; select GPU2000R from Distribution Products and then Configuration Software.

SOFTWARE CHANGES

New Feature / Functionality Benefits in GPU CPU V3.41

1. Eliminated system errors occurring when reading Modbus registers **improving security of operation**.
2. **Maintained consistency of terminology** between machine interface (MMI) menu and configuration software tool GPUECP for the distance (21) directional (67P, 67N) functions.
3. **Increased quality** of the sequence of events recorder's (SER) logging of distance (21) operations.
4. **Improved reliability** of flash programming of the GPU2000R CPU firmware.

New Feature / Functionality Benefits in GPUECP V3.11

1. Corrected frequency function's setting range for 50 Hz units **increasing reliability of operation**.
2. Established **proper coordination** between 21-1a function and Unit Transformer Configuration setting.
3. **Enabled ability** of disabling 3-phase kVars alarm threshold setting.
4. **Improved quality of information** when disabling the frequency function for all under- and over-frequency steps.
5. Corrected metering of neutral current and 3-phase kW and kVars when VT connected in delta configuration.
6. Added Miscellaneous Security Mask setting status to printout when print option is selected.

SUMMARY

1. Recently released GPU2000R firmware V3.41 and GPUECP interface software V3.11 include modifications that improve reliability, enhance security of operation and increase flexibility of application.
2. ABB recommends customers upgrade their GPU2000R firmware if they desire new enhancements and upgrade their GPUECP software to V3.11 now as it is compatible with all GPU2000Rs with firmware V3.xx. GPUECP is available via internet at www.abb.com/substationautomation, select GPU2000R from Distribution Products and then Configuration Software.

SOFTWARE TOOL COMPATIBILITY

Interface Software: GPUECP V3.11

DFR Viewing Software: WaveWin VB.9 (Install using WinECP V4.35 in Configuration Software.)

Programmable Curves Software: CurveGen: V1.0

Flash Programming Software: WinFPI V1.02, Build 2