



July 2, 2003

PRODUCT SOFTWARE BULLETIN PSB-DPU801

**PURPOSE OF NOTIFICATION**

Inform customers of new DPU2000R firmware V5.34 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 DPU2000R units with Catalog Series 587 with a present firmware version of V5.xx.

**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 WinECP V4.33. This is available via Internet at [www.abb.com/substationautomation](http://www.abb.com/substationautomation), select DPU2000R from Distribution Products and then Configuration Software.

**SOFTWARE CHANGES**

*New Features / Functionality Added*

1. No new functions or features added in this release.

*New Feature / Functionality Benefits*

1. Corrected incorrect neutral waveform magnitude in Digital Fault Recorder (DFR) as viewed by WaveWin software **providing quality** post-fault analysis.
2. **Improved operation** by modifying firmware to ensure logical output *PUA* will properly trigger DFR when selected in DFR Settings.
3. **Enhanced accuracy** of power metering, kW and kVar, from 12-16% to the specified 2%.

**SUMMARY**

1. Recently released DPU2000R firmware V5.34 includes modifications that provide better quality, improved operation and enhanced accuracy.
2. ABB recommends customers upgrade their DPU2000R firmware if they desire these benefits and upgrade their WinECP software to V4.33 now, as it is compatible with all DPU2000Rs. WinECP is available via Internet at [www.abb.com/substationautomation](http://www.abb.com/substationautomation), select DPU2000R from Distribution Products and then Configuration Software.

**SOFTWARE TOOL COMPATIBILITY**

Interface Software: WinECP V4.33

DFR Viewing Software: WaveWin VA.G (Install using WinECP in Configuration Software.)

Programmable Curves Software: CurveGen: V1.0.0

Flash Programming Software: WinFPI V1.02, Build 2