



Rev. 1

February 5, 2013

## PRODUCT SOFTWARE BULLETIN PSB-WinECP1198

### PURPOSE OF NOTIFICATION

Inform customers of a new WinECP user interface software version V7.0 that is compatible with Window 7 operating system. WinECP V7.0 is compatible with all DPU1500R, DPU2000, DPU2000R, MSOC<sup>1</sup>, TPU2000, TPU2000R and REF550 units. The software enhancements and improvements serve to improve reliability and ease of operation.

### WHAT IS AFFECTED? PROTECTION AUTOMATION

New WinECP version affords expanded utilization of the user software tool; does not directly affect protection and automation issues – see below for details. WinECP V7.0 is available from our Customer Support team via phone outside the United States at +1 610 752-6700 or inside the United States at 1 800 523-2620. WinECP is available via the web at [www.abb.com/substationautomation](http://www.abb.com/substationautomation) (click on “Download”, then “Software Tools” under **Distribution Products**.) The software enhancements and improvements serve to improve reliability and ease of operation.

### FIRMWARE / SOFTWARE 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 utilize the most recent version of WinECP software available. This new software version is available from our Customer Support team via phone outside the United States at +1 610 752-6700 or inside the United States at 1 800 523-2620. WinECP is available via the web at [www.abb.com/substationautomation](http://www.abb.com/substationautomation) (click on “Download”, then “Software Tools” under **Distribution Products**.) The software enhancements and improvements serve to improve reliability and ease of operation.

### SOFTWARE MODIFICATIONS

#### *New Features / Functionality Added*

- **Enhanced flexibility** with support for both Microsoft® XP and Windows 7 (32-bits and 64-bits) operating systems.<sup>2</sup> On some computers with Windows 7, the resolution has to be optimized which requires changes to the display settings (Control Panel / All Control Panel Items / Display). Here are recommended settings for achieving the best display of WinECP V7.0:

|                 |   |
|-----------------|---|
| Display:        | 1600x900  |
| Resolution:     | 1600x900 (set resolution to match the physical display size)            |
| Text:           | Smaller (100%)  |
| Windows Themes: | Windows Classic (Basic and Windows 7 Default themes may cause problems) |

Every laptop has a default text size (Smaller 100%, Medium 125% and Larger 150%) which is different on different laptops. Use Smaller Text size for best results.

#### *New Features / Functionality Improved*

1. **Increased ease of use** with these (applicable WinECP-supported product) improvements:
  - Resolved errors in displaying Max/Min Demand values (DPU2000 Catalog Series 484...)
  - Corrected product reference in ‘Save settings?’ pop-up window when leaving WinECP. (REF550)
  - Added version prefix “V” to the CPU version in Offline mode. (REF550, MSOC, TPU2000, TPU2000R)
  - Resolved correct displaying of unit address in the Status bar. (REF550)
  - Added ability to cancel attempted ‘Upload From Relay’ communication operation should communications become disconnected. This eliminates having to wait for a message for all setting tabs. (All products.)
  - To avoid a conflict while downloading ‘All’ settings, changing the Relay Password is restricted to the



Configuration tab and may not be accomplished via the Settings tab using Select All. (All products)

- Corrected the voltage reference to be line-to-line quantities when the Load Metering values are saved to a file and the Voltage Display Mode setting is programmed to "Line-Line". (DPU2000, DPU2000R)
- Provided additional header details, where applicable, when printing settings in the Offline mode. (MSOC, TPU2000, TPU2000R)
- Corrected time dial settings range for IEC units (DPU2000R Catalog Number series 687...)
- Removed ability to select "Download To Relay" in the Control->Pulse Outputs and to select File->Export-> Program Curves in the Offline mode. (MSOC)
- Corrected proper reading of saved settings when using the Browse settings file feature. (MSOC)
- Corrected showing the "87T Percent Slope" setting when printing settings on units with CPU firmware below V2.60. (TPU2000R)

2. Installation tool changed from Wise to InstallShield.

### SUMMARY

1. Enhanced and improved version of WinECP software V7.0 is available for use that operates on both Windows XP and 7 (32-bits and 64-bits) operating systems.
2. Resolved numerous issues to improve WinECP's ease of use.
3. WinECP V7.0 is compatible with all DPU1500R, DPU2000, DPU2000R, MSOC, TPU2000, TPU2000R and REF550 units and is available from our Customer Support team via phone outside the United States at +1 610 752-6700 or inside the United States at 1 800 523-2620. WinECP is available via the web at [www.abb.com/substationautomation](http://www.abb.com/substationautomation) (click on "Download", then "Software Tools" under **Distribution Products**.)
4. The modifications implemented improve reliability and ease of operation.

### SOFTWARE TOOL COMPATIBILITY

Interface Software: WinECP V7.0 Build 10

DFR Viewing Software: WaveWin VD.Y (Installed with WinECP installation.)

Programmable Curves Software: CurveGen: V1.0.0 (Installed with WinECP installation.<sup>1</sup>)

Flash Programming Software: WinFPI V1.07 (Installed with WinECP installation.)

### NOTES

1. For WinECP communications with the MSOC, the protocol ASCII must be used; Modbus is not supported.
2. Since the CurveGen user tool was developed on a Windows 3.x operating system, it is unable to execute on Windows 7 operating system. It is highly recommended where user needs to utilize CurveGen that they either maintain a computer operating Windows XP or work with our Customer Support department. Our Customer Support team is available via phone outside the United States at +1 610 752-6700 or inside the United States at 1 800 523-2620.

### Supported Products CPU Compatibility

The table below summarizes the products and their CPU firmware versions this version of WinECP supports. Use of WinECP on a product's CPU firmware not listed in the table is done so at the user's risk. Contact Customer Support on learning how to update an installed product's CPU firmware version to a supported version in the table. Our Customer Support team is available via phone outside the United States at +1 610 752-6700 or inside the United States at 1 800 523-2620.



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| Category                          | Type Designation                     | Valid Version  |
|-----------------------------------|--------------------------------------|--|
| REF 550                           | REF 550 CPU                          | 1.01 – 1.04  |
| DPU2000                           | DPU2000 CPU (487x only)              | 1.61 – 1.62  |
| DPU2000R                          | DPU2000R CPU Flash                   | 5.00 – 6.14,<br>3.07 – 4.15,<br>1.91 – 2.01,<br>101.92, 103.03 |
| DPU1500R                          | DPU1500R CPU Flash                   | 1.01 - 1.03  |
| TPU2000                           | TPU2000 CPU                          | 2.30 - 2.43  |
| TPU2000R                          | 2 winding TPU2000R CPU Flash         | 2.30 – 2.60  |
| TPU2000R                          | 3 winding TPU2000R CPU Flash         | 3.01 - 3.30  |
| MSOC                              | MSOC                                 | 1.90 - 1.96  |
| Configuration & Engineering Tools | WinFPI                               | 1.07   |
| Configuration & Engineering Tools | WaveWin                              | D.Y  |
| Configuration & Engineering Tools | CurveGen                             | 1.0.0  |
| PC operating system               | Windows XP, Windows 7 (64 / 32 bits) | ---  |

Table below provides recommended brands of communication devices that convert to an RS232 interface.

| Computer port interface | Converter type; brand                           | Comments   |
|-------------------------|---|--|
| RS232 DB9               | Not applicable.                                 | Preferred interface.   |
| PCI Express card slot   | Express card RS232 adapter card; StarTech       | Next preferred interface lacking a native RS232 interface          |
| USB                     | USB-toRS232 converter; Keyspan, Model: USA 19HS | Next referred provided unavailability of the above two interfaces. |

#### Revisions

1. Revised MSOC valid CPU firmware range to V1.96.