

Viewpoint Monitoring IEC 61850

Revision 6.10 Release Notes

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Overview

Summary

GE Multilin issues the Viewpoint Monitoring IEC 6.10 release. Highlights of this release include:

- Support “Offline” configuration through importing of ICD files
- Support for buffered and unbuffered reporting
- Support the OPC exporting of data collected in Viewpoint Monitoring IEC61850
- Include database for the UR^{PLUS} family in the Viewpoint Monitoring software

To upgrade from a previous version of Viewpoint Monitoring IEC61850, an upgrade package must be purchased. Please contact your local GE Multilin sales representative, or go online to purchase this upgrade package:

<http://pm.geindustrial.com/ViewProd.asp?Model=VP+MAINT>

Release details

In the following enhancement descriptions, a revision category letter is placed to the left of the description. Refer to the Appendix at the end of this document for a description of the categories displayed.

Enhancements

N

Support importing of IEC 61850 ICD files for performing offline configuration of a Viewpoint Monitoring system

The Viewpoint Monitoring IEC 61850 software has been enhanced to allow for importing of ICD file from IEC 61850 compliant GE and 3rd party devices. The importing of these ICD files allows for creating a Viewpoint Monitoring system Offline without needing to communicate directly to the device to read the IEC 61850 database in real time.

N

Support for Buffered and Unbuffered reporting of IEC61850 data

Viewpoint Monitoring now supports both Buffered and Unbuffered reporting from IEC 61850 compliant devices. Buffered and Unbuffered reporting allows for streamlining the communications to devices by only having to receive information from the devices that has changed since the last time the Viewpoint Monitoring system interrogated the device. Now only information that has changed since the last data poll will be sent from devices to the Viewpoint Monitoring system rather than having to update all data points on every read request from the device.

N

Ability to export real time data collected from IEC61850 devices to an OPC Client for HMI or SCADA monitoring

Viewpoint Monitoring now supports the sending of information collected from the connected devices to other HMI, DCS, or SCADA monitoring systems through the OPC protocol to an OPC client such as Cimplicity, Ifix, or Wonderware. In order to support the exporting of data through OPC, the special option -OPC must be ordered with the software. Ex. VP-61850-OPC

N

UR Plus D90^{Plus} and C90^{Plus} support included in Viewpoint Monitoring IEC 61850

The databases for the GE Multilin D90^{Plus} and C90^{Plus} devices are included in the Viewpoint Monitoring IEC 61850 software. Having these databases included in the software allows the user to select the D90^{Plus} and C90^{Plus} devices from the Device Pull-down menu when configuring the system without requiring the ICD file to be imported into the software.

N

UR and 650 family databases updated to include the latest supported IEC 61850 features

The databases for the GE Multilin UR and 650 families have been updated to include the additional IEC 61850 information that has been added to these products since the last release of Viewpoint Monitoring IEC 61850.

E

Correct sending of commands to F650 relays that have firmware version 3.2x and higher

The Viewpoint Monitoring IEC 61850 software has been enhanced to support sending of commands to F650 devices that **have** firmware version 3.2x or greater installed. In the previous version of the software, commands could **not** be sent to F650's with this firmware version installed.

Appendix

Change categories

This document uses the following categories to classify the changes.

Table 1: Revision categories

Code	Category	Comments
N	New feature	A separate feature added to the relay. Changes to existing features even if they significantly expand the functionality are not in this category
G	Change	A neutral change that does not bring any new value and is not correcting any known problem
E	Enhancement	Modification of an existing feature bringing extra value to the application
D	Changed, incomplete or false faceplate indications	Changes to, or problems with text messages, LEDs and user pushbuttons
R	Changed, incomplete or false relay records	Changes to, or problems with relay records (oscillography, demand, fault reports, etc.)
C	Protocols and communications	Changes to, or problems with protocols or communication features
M	Metering	Metering out of specification or other metering problems
P	Protection out of specification	Protection operates correctly but does not meet published specifications (example: delayed trip)
U	Unavailability of protection	Protection not available in a self-demonstrating way so that corrective actions could be taken immediately
H	Hidden failure to trip	Protection may not operate when it should
F	False trip	Protection may operate when it should not
B	Unexpected restart	Relay restarts unexpectedly

The revision category letter is placed to the left of the change description.

GE Multilin technical support

GE Multilin contact information and call center for product support is shown below:

GE Multilin
215 Anderson Avenue
Markham, Ontario
Canada L6E 1B3

Telephone: 905-294-6222 or 1-800-547-8629 (North America), +34 94 485 88 00 (Europe)

Fax: 905-201-2098 (North America), +34 94 485 88 45 (Europe)

E-mail: multilin.tech@ge.com

Home Page: <http://www.GEmultilin.com>