

# TROUBLESHOOTING AND REPORTING TOOLS

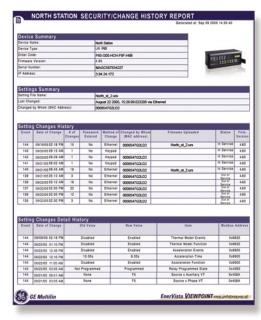
Viewpoint Maintenance is a must-have tool for any integrators or electrical staff involved in Power System protection and maintenance. This software increases the security of your relays, reports your device's operating status and simplifies the steps to troubleshoot your device.

#### Benefits:

- Reduce the time required to perform maintenance on your device
- Increase the security of your relays by identifying relay settings that have been changed or tampered with
- Reduce time required to collect data for Troubleshooting a fault and avoid costly downtime
- Improve Maintenance scheduling by prioritizing service needed for your power system equipment
- Anticipate system problems before they arise

### Features:

- Security Audit Trail tracks settings and configuration changes, who changed them, and the time and method of the change
- Take a snapshot of a device state and corresponding settings in a time period of your choice
- Single button click to package all fault diagnostics into a single .zip file for easy sharing with engineers who can help assess system problems
- View critical information that may cause equipment to trip
- On-line and Hard copy reports for easy viewing
- Easily identify the file name of the settings file loaded on the relays\*
- \* Available for the UR Platform 4.60 and above



Instant traceability of all changes to settings, firmware and hardware of your protection device.



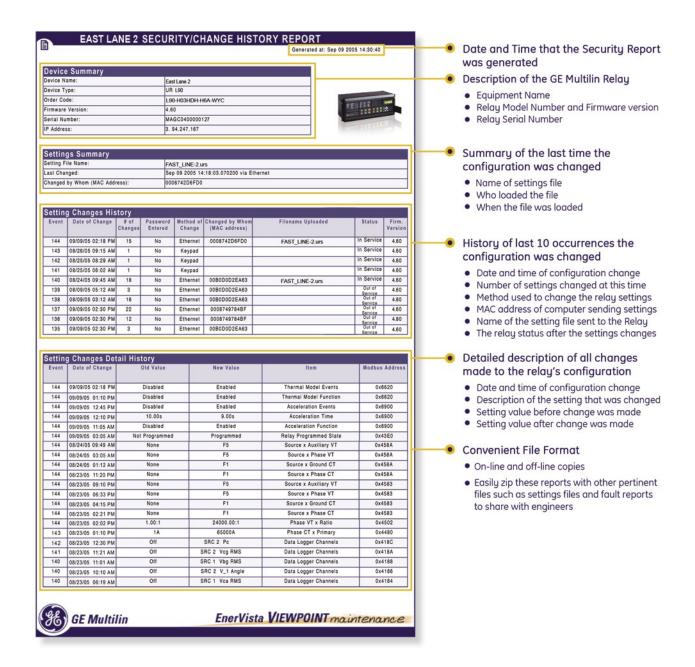
# **SECURITY AUDIT TRAIL**

The Security Audit Trail feature in Viewpoint Maintenance is the first of it's kind that can automatically track the details of settings changes to your relays along with the MAC address of the user who changed them. This traceability helps map out where a problem may have occurred and will help improve maintenance procedures to prevent them from happening again. This is also a valuable tool to take snapshots of device status and settings to ensure the system tested is in the same state as the system that was transitioned into the field.

#### **Security Audit Trail Features:**

- Date and Time of hardware, firmware or setting changes made to your relays
- Logging of the MAC address of computers and users making settings changes
- Track method of how settings changes were made (i.e. Keypad, Serial Port, Ethernet)\*
- \* Available for the UR Platform 4.60 and above

- Printer-friendly option to view hard copy reports
- Filter by date to identify changes to settings over time
- Ability to identify the name of settings files for accurate identification\*



## **DEVICE STATUS REPORTS**

Reduce the time required to perform maintenance on your device by receiving a report that shows health and operating status of your relays, meters and the power system being monitored.

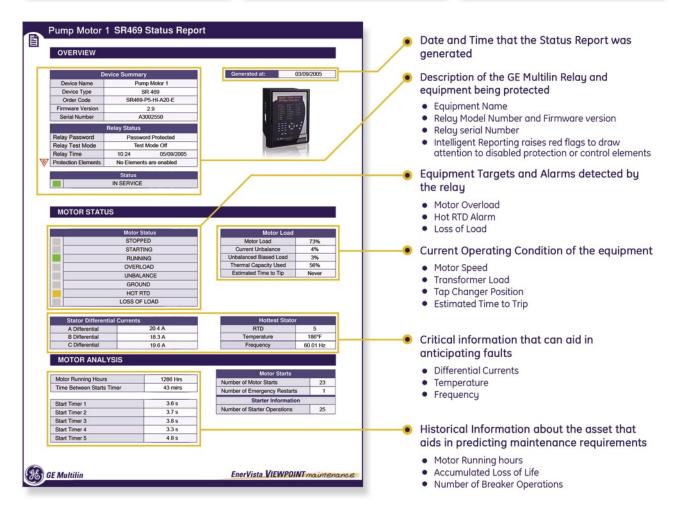
#### **Status Reports Include:**

- Current operating condition of the GE Multilin device
- Operating status of the equipment being protected
- Critical device settings that have not been programmed
- Operating history of the monitored devices
- Maintenance issues that need to be addressed
- LED simulated view of equipment targets and alarms detected









## **COMPREHENSIVE FAULT DIAGNOSTICS**

Reduce time required to collect data for Troubleshooting a fault with Viewpoint Maintenance. No need to access the setup program for the device or sift through settings to figure out what data is needed. With the click of a button, Viewpoint Maintenance will gather all required information including pertinent Settings Files, Oscillography, Events, Fault Reports, Data Logger and Health Reports and package it into a single .zip file to allow for easy sharing with engineers to assist with your fault analysis.

#### Fault Diagnostics Features:

- Effortlessly collect all the data required to diagnose a fault
- Automatically package all pertinent information into a .zip for easy file sharing
- Eliminate costly hours of Troubleshooting by filtering data at the click of a button
- Assess why and how the fault occurred to improve preemptive maintenance procedures
- Avoid costly downtime and customer interruptions
- Reduce the amount of time required to troubleshoot a fault to get your system back up and running





At the click of a button Viewpoint Maintenance will gather all required information including pertinent Settings Files, Oscillography, Events, Fault, Data Logger and Health Reports...





...and stores the zipped file on your hard drive for easy emailing to your engineers or instantly emails to GE Tech support

EnerVista™ Viewpoint Maintenance Software Selection Guide

	*	*	
VPM			EnerVista™ Viewpoint Maintenance
	1		Single Pack
	5		5 Pack
	10		10 Pack
	50		50 Pack
			No Upgrades
		G1	1 Year Upgrades
		G2	2 Year Upgrades
		G3	3 Year Upgrades

The following GE Multilin devices are supported in the Viewpoint Maintenance 2.00 release:

Devices	Firmware Versions	
UR Family*	2.6x, 2.8x, 2.9x, 3.0x, 3.1x, 3.2x, 3.3x, 3.4x, 4.0x, 4.2x, 4.4x, 4.6x, 4.8x	
SR469	2.5x, 2.6x, 2.8x, 2.9x, 4.0x	
SR489	1.3x, 1.4x, 1.5x	
SR745	2.4к, 2.5к, 2.6к, 2.8к	
SR750/760	3.6x, 3.7x, 4.0x, 5.0x, 6.0x	

<sup>\*</sup>Excludes B90

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