

GE Digital Energy

CyberSentry™ SEM Version 1.00

Release Notes

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Overview

CyberSentry™ Security Event Manager (SEM) is software for automated Critical Infrastructure Protection (CIP), specifically for auditing, monitoring, and reporting devices in electrical grids to standards of the North American Electric Reliability Corporation (NERC). The software is typically used in substations. Based on user configurations and security policies, CyberSentry SEM initiates and performs security monitoring over power management relays and networking devices. It records events, detects device setting changes, logs security events, raises Incident Cases (ICs), and initiates IC tasks. CyberSentry SEM also generates reports.

Summary

GE Multilin has released CyberSentry™ SEM v1.00. Highlights of this revision include:

- Monitor power management relays and network devices based on user configuration and security policies
- Work flow tool to detect, assign, monitor, manage events, security events and incident cases
- Compliance Report
- Windows 7 Operating System Compatibility (32-bit only)
- Support for UR, URPlus, ML2400
- Support for 3rd party Modbus devices
- Support for 3rd party SNMP networking devices

Appendix

System Requirements

Component	Requirement
Supported Operating systems	<ul style="list-style-type: none"> Windows 7 -32 bit
Computer and processor	<ul style="list-style-type: none"> Pentium® IV 3 GHz processor or higher CD-ROM drive Mouse (minimum two buttons) Keyboard
Memory	2 GB of RAM (minimum)
Hard disk	1 Gb of free hard disk space for installation (additional space required for project configuration).
Display	17" monitor, minimum resolution 1280 x 1024, minimum 16-bit color
Connectivity	Ethernet (10BASE-T)
Other	Adobe Reader or compatible viewer for viewing Compliance Reports

Supported Devices

Device	Firmware Supported
UR Family	5.4x to 6.0x
UR ^{Plus} Family	1.7x to 1.8x
ML2400	4.01
3 rd party Modbus	Use CyberSentry's Device Profile Editor to define the device's Modbus map.
3 rd party SNMP	Use CyberSentry's Device Profile Editor to import MIB files that describe the SNMP device.

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.

Contact Information

The contact information for GE Digital Energy and GE Multilin Technical Support is shown below:

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