



NERC CIP Version 5 Compliance Support for SCADA RTUs

Powertech is offering NERC CIP V5 compliance support for upgrade and hardening of Supervisory Control and Data Acquisition (SCADA) Remote Terminal Units (RTUs).

NERC CIP V5

NERC (North American Electric Reliability Corporation) seeks to protect the North American bulk power system from cyber security compromises that can potentially lead to misoperation or instability. On November 22, 2013, the Federal Energy Regulatory Commission approved Version 5 of the CIP (Critical Infrastructure Protection) cyber security standards. CIP V5, which represents significant progress in the mitigation of cyber risks to the bulk power system, will require utilities and power system operators to upgrade their SCADA RTUs.

POWERTECH SERVICES

Our services include:

- Review and documentation of existing SCADA RTU setup and configuration
- Upgrade and hardening of SCADA RTU units to comply with engineering standards, including:
 - Firmware upgrades
 - Patch installations
 - Lockdown of unused services and ports
 - Updating of RTU configuration, passwords and network settings
 - Updating of engineering drawings and documentation

- Full tracking and documentation of changes made to achieve compliance
- Bench testing and pre-commissioning of SCADA RTUs
- Validation and confirmation for audit readiness
- Ongoing monitoring of NERC V5 compliance and addressing gaps in process or equipment
- Penetration testing and vulnerability assessment of SCADA equipment and networks

ADVANTAGES OF POWERTECH

- Intimate knowledge of utility processes, standards, procedures and expectations
- Extensive experience with utility SCADA systems, security functions and standards
- Leading expertise in T&D equipment, deployment, pre-commissioning and commissioning

Powertech's Grid Modernization Sector offers independent commercial testing, validation, engineering services and consulting expertise to support utilities in grid modernization. The sector serves utilities, vendors and OEMs in design, product development, technology evaluation, interoperability testing and pre-deployment validation.

ABOUT POWERTECH LABS:

Powertech Labs Inc. is one of the largest testing and research laboratories in North America, situated in beautiful British Columbia, Canada. Our 11-acre facility offers 15 different testing labs for a one-stop-shop approach to managing utility generation, transmission and distribution power systems.

Outside of the utilities industry, Powertech provides routine testing capabilities, product development, research and consulting services to support an array of industrial-type operations, electrical equipment manufacturers and automotive original equipment manufacturers.

www.powertechlabs.com



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