QUANTA TECHNOLOGY

AUTOMATION-ASSISTED CONFIGURATION CHANGE MANAGEMENT PROCESSES FOR CIP-010 COMPLIANCE

NERC CIP-010 Compliance

Quanta Technology's solutions for CIP-010 compliance provide utilities with efficient and practical implementation of the required management and monitoring processes.

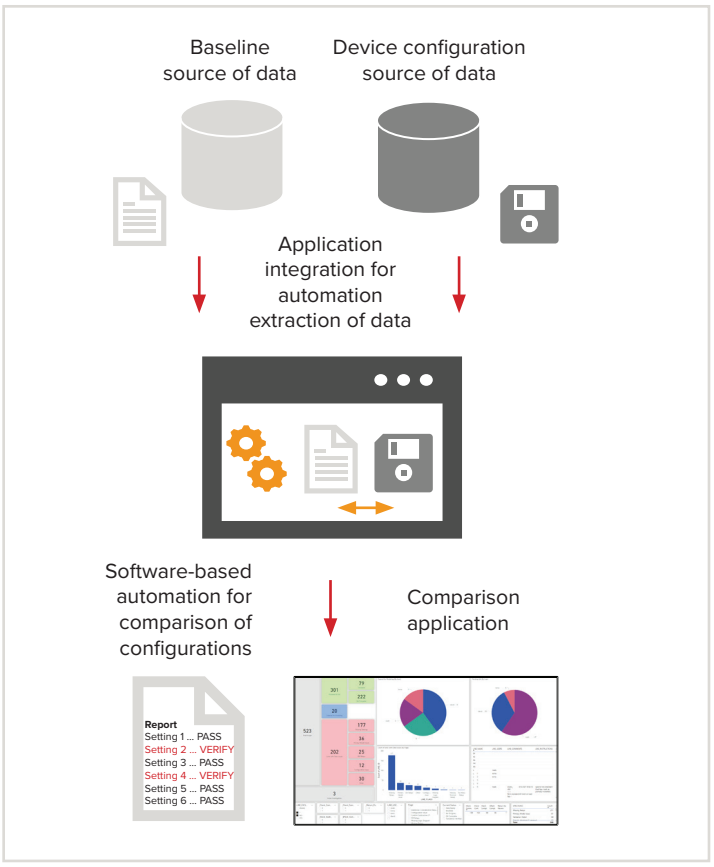
This scope typically covers enormous numbers of device configurations, especially for larger organizations. Our automated approach provides an easily repeatable method to evaluating large numbers of configurations, enabling engineers to efficiently meet their responsibilities under the CIP-010 standard.

The CIP-010 standard is broad, covering aspects that typically fall under the responsibilities of multiple departments within an organization. Our experts can help utilities navigate through the requirements of the standard and build the management and monitoring processes around the utility's specific practices and philosophies. Protection and Control departments are typically responsible for the comparison of deployed device configurations against an expected baseline standard and the resolution of any identified deviations. Quanta Technology's CIP-010 Module, part of the CORE® suite of automation tools, streamlines these processes through employment of data integration and automation to automatically connect to defined baseline and device configuration sources, extract the relevant data, and perform the comparison of applicable configuration fields. The results can be presented through rich visualization dashboards providing engineers with a range of flexible reporting options.

Our software solutions, including CIP-010, were developed to meet the needs of our utility partners and to integrate with existing practices and processes. The CIP-010 solution is used by multiple organizations for meeting ongoing compliance requirements and has provided dramatic improvements in efficiency and capability.

CORE® CIP-010 Solution Features

- Configured for each utility client to accommodate their own processes, data structures, protection practices and baseline philosophies, and approach for addressing deviations.
- Compatible with major industry-standard repository applications with flexibility in data formats, content, and evaluation criteria to support home-grown databases and utility-specific practices.
- Repeatability on demand, enabling engineers to efficiently compare large numbers of configurations on a regular basis.
- Providing multiple output options, including built-in interfaces to investigate and address deviations, report generation to serve as proof-of-compliance, and publication to rich visualization dashboards.



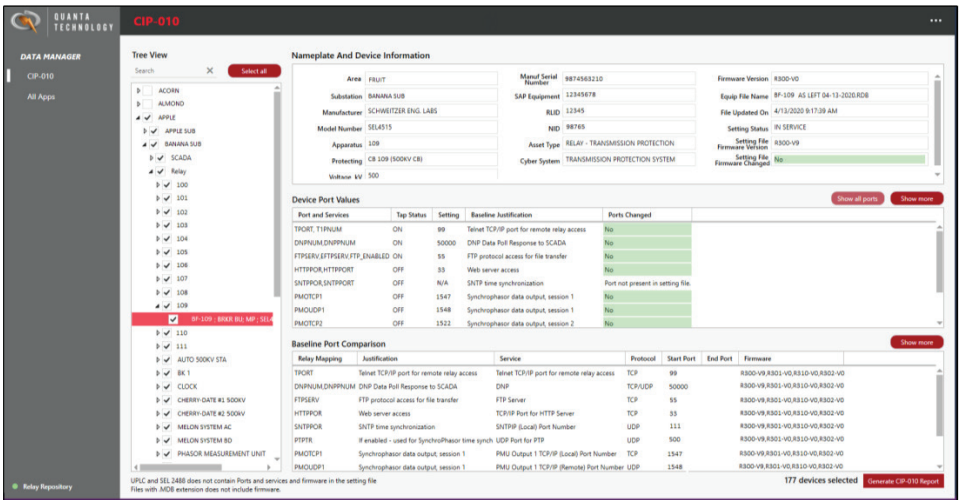
PICTURED: The CIP-010 solution enables large numbers of configurations to be compared efficiently, levering automation processes to obtain data, identify deviations, and output results

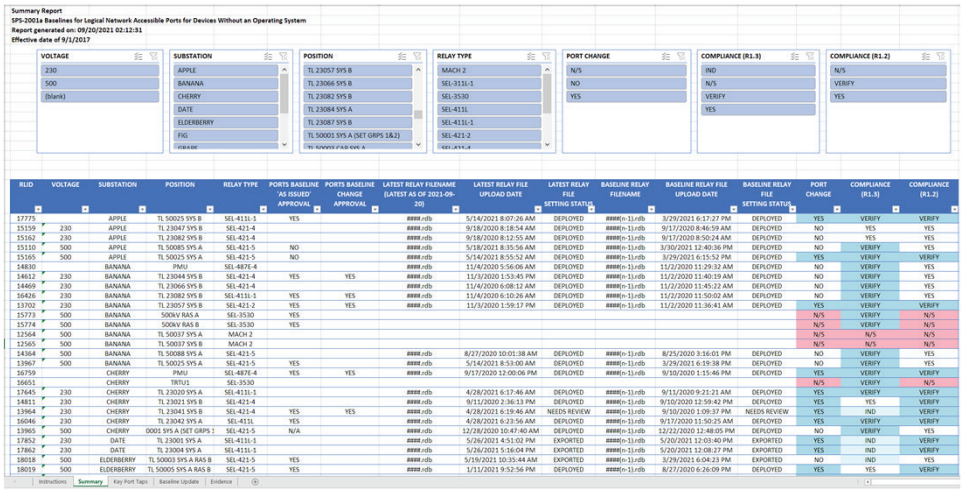
CONTACT US:

919-334-3000 quanta-technology.com info@quanta-technology.com LinkedIn.com/company/quanta-technology

Flexible Reporting

The results of the configuration comparisons can be presented in several different manners depending on the preferences of the utility, ranging from built-in interfaces to filterable spreadsheet reports.





PICTURED: Report output options

Further Information

For more information, please visit our website to see a video demonstration.

CORE CIP-010 module for compliance evaluation

Compliance evaluation is part of a holistic digital transformation program.

Engineering Automation Drives Decision Making (2020 T&D World Magazine) *Reprinted with permission from T&D World magazine.*

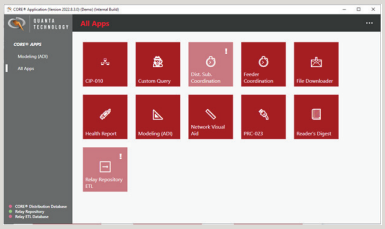
Enjoy our publications covering CIP-010 evaluation:

Development and Implementation of Practical Processes for NERC CIP-010 Compliance Evaluation (2022 Texas A&M Conference for Protective Relay Engineers)

CORE Suite

CIP-010 is a module within the CORE (Compliance, Operations, Reliability, Engineering) Suite of automation tools. CORE is Quanta Technology's platform for automation-based solutions to address data, simulation, evaluation, digital transformation, and report needs.

Modules within CORE can access the same libraries of protection logic functions, such as the Relay Catalog that enables interpretation of device configurations. The CORE platform enables seamless sharing of data and integration of processes across modules and applications.



PICTURED: CORE is a unified platform for digital transformation applications

Quanta Technology, LLC.
4020 Westchase Blvd.
Raleigh, North Carolina 27607

Document number: QT-FL-26-X-08-22