Advantek Solution for NERC CIP

The North American Electric Reliability Corporation (NERC) is a nonprofit corporation dedicated to ensuring that "the bulk electric system in North America is reliable, adequate and secure" by maintaining comprehensive reliability standards that define requirements for planning and operating the collective bulk power system. Among these are the Critical Infrastructure Protection (CIP) Cyber Security Standards designed to ensure the protection of cyber assets critical to the reliability of North America's bulk electric systems. Under the governance of the Federal Energy Regulatory Commission (FERC), the corporation develops and enforces NERC reliability standards for planning and operating the bulk power system and minimizing the risk of system disturbances.

Advantek Data Protection solution combined with Advantek cyber specialists help companies meet several NERC CIP requirements:

NERC CIP Requirement	Advantek Data Protection
CIP-002-4 Critical Cyber Asset Identification	n/a
CIP-003-4 Security Management Controls	Advantek provides continuous vulnerability assessment and applies virtual patches (in real-time without coding) to known software flaws and adds security rules to block known and unknown attacks, preventing data breaches. Advantek address vulnerabilities at runtime, remediating threats – not just blocking them. Advantek provides protection against zero-day attacks. Advantek provides next-gen web application firewall (WAF) protects against common attacks such as SQLi, XSS, Path Traversal, Open Redirect, Buffer Overflows, Denial of Service and more.
CIP-004-4 Personnel and Training	n/a
CIP-005-3 Electronic Security Perimeters	Advantek advanced correlation and alerting reduce the interval to detect and respond to vulnerabilities and attacks against the network and identifies potentially malicious activity through VPN tunnels, wireless access points and use of unencrypted network.
CIP-006-3 Physical Security	n/a
CIP-007-3 Systems Security Management	Advantek supports the requirement for tracking, evaluating and installing cyber security patches for cyber assets with continuous patch updates in real time and requires no code changes. In addition, Advantek integrates into existing SIEM solutions for continuous monitoring.
CIP-008-3 Incident Reporting and Response Planning	Advantek alerts help identify potential harmful activities and Advantek reports related to security events and non-compliance helps with forensics and improve mitigation to prevent future incidents.

Discover + Organize + Protect + Repeat

CIP-009-3 Recovery Plans for Critical Cyber Assets	Advantek data identification and organization helps to prioritize critical systems for backup and recovery.
CIP-010-1 Configuration Change Management and Vulnerability Assessment	Advantek provides continuous vulnerability assessment and applies virtual patches (in real-time without coding) to known software flaws and adds security rules to block known and unknown attacks, preventing data breaches. Advantek addresses vulnerabilities at runtime, remediating threats – not just blocking them. Advantek provides protection against zero-day attacks. Advantek provides next-gen web application firewall (WAF) protects against common attacks such as SQLi, XSS, Path Traversal, Open Redirect, Buffer Overflows, Denial of Service and more.
CIP-011-1 Infrastructure Protection	n/a

About Advantek Corporation

Public and private sector enterprises are uncertain about what data they have, where it's stored, where it came from, or how it's being managed - creating risk of data breaches and regulatory non-compliance.

Most enterprises have deployed standalone solutions for every use case that are designed to find problems that an internal team must fix. This siloed approach is difficult to manage, prone to errors, and needlessly expensive.

Advantek provides a digital management platform that identifies and remediates issues across the full range of data related functions: data governance, data privacy, data protection, cyber readiness, litigation readiness, and records management. We help companies discover, organize, and protect data in an automated manner to achieve continuous compliance and data protection, reducing the cost and risks associated with a siloed approach.

To learn more, visit www.advantekcorp.com.