

# NERC CIP Compliance with Tripwire and NovaTech

Tripwire solutions protect sensitive data and assets from breaches, vulnerabilities, and threats while delivering risk visibility, business context and security business intelligence. The integration between Tripwire and Novatech's NERC CIP Password, Configuration and Remote Access Management solution brings a consistent approach to the management, auditing and maintenance of secure configurations across a wide range of devices, including ICS and SCADA devices used in substations.

## Business and Technical Challenges

NERC CIP compliance doesn't have to be overwhelming but it needs to be addressed seriously. The Federal Energy Regulatory Commission (FERC) updates the Critical Infrastructure Protection (CIP) standards on a regular basis. Tripwire has been doing NERC CIP compliance since the standard emerged, and applying our products and our deep domain expertise in compliance as well as security has helped hundreds of electric utilities achieve, maintain and produce "evidence of compliance" for their NERC audits.

## The Joint Solution

The integration between the Tripwire NERC Solution Suite and the NovaTech Orion Substation Automation Platform provides mutual energy customers with automation software that drastically

reduces the time and resources required to manage secure configurations and collect audit evidence for NERC CIP compliance.

The Tripwire NERC CIP Solution Suite is built on our award-winning and patented technology, dramatically reducing the time and effort for power and utility companies to pass their audits.

NovaTech provides CIP-compliant Remote Access and Administration of IEDs, including Password and Connections Management. Solutions include role-based authentication, centralized authentication, secure access to substation assets and automatic password changing. Their complete compliance solutions include partner products for Inventory, Configuration Management, Change Control, Event Logging and CIP Reporting for substation assets, tailored to meet the latest NERC CIP v5 requirements.

## COVERAGE OF NERC CIPv5 REQUIREMENTS

10 Standards   32 Requirements   Tripwire with NovaTech supports 22									
CIP-002	CIP-003	CIP-004	CIP-005	CIP-006	CIP-007	CIP-008	CIP-009	CIP-010	CIP-011
BES CYBER SYSTEM IDENTIFICATION AND CATEGORIZATION	SECURITY MANAGEMENT CONTROLS	TRAINING AND PERSONNEL SECURITY	ELECTRONIC SECURITY PERIMETER	PHYSICAL SECURITY OF BES CYBER SYSTEMS	SYSTEMS SECURITY MANAGEMENT	INCIDENT REPORTING AND RESPONSE PLANNING	RECOVERY PLANS FOR BES CYBER SYSTEMS	CONFIGURATION CHANGE MANAGEMENT AND VULNERABILITY ASSESSMENTS	INFORMATION PROTECTION
1. BES CYBER SYSTEM IDENTIFICATION	1. CYBER SECURITY POLICY FOR HIGH/MEDIUM SYSTEMS	1. AWARENESS	1. ELECTRONIC SECURITY PERIMETER	1. PHYSICAL SECURITY PLAN	1. PORTS AND SERVICES	1. CYBER SECURITY INCIDENT RESPONSE PLAN	1. RECOVERY PLAN SPECIFICATIONS	1. CONFIGURATION CHANGE MANAGEMENT	1. INFORMATION PROTECTION
2. REGULAR APPROVAL	2. CYBER SECURITY POLICY FOR LOW SYSTEMS	2. TRAINING	2. INTERACTIVE REMOTE ACCESS MANAGEMENT	2. VISITOR CONTROL PROGRAM	2. SECURITY PATCH MANAGEMENT	2. CYBER SECURITY INCIDENT RESPONSE PLAN IMPLEMENTATION AND TESTING	2. RECOVERY PLAN IMPLEMENTATION AND TESTING	2. CONFIGURATION MONITORING	2. BES CYBER ASSET REUSE AND DISPOSAL
	3. IDENTIFICATION OF SENIOR MANAGER	3. PERSONNEL RISK ASSESSMENT PROGRAM		3. MAINTENANCE AND TESTING PROGRAM	3. MALICIOUS CODE PREVENTION	3. CYBER SECURITY INCIDENT RESPONSE PLAN REVIEW, UPDATE, COMMUNICATION	3. RECOVERY PLAN REVIEW, UPDATE AND COMMUNICATION	3. VULNERABILITY ASSESSMENTS	
	4. DELEGATION OF AUTHORITY	4. ACCESS MANAGEMENT PROGRAM			4. SECURITY EVENT MONITORING				
		5. ACCESS REVOCATION PROGRAM			5. SYSTEM ACCESS CONTROLS				

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 NOVATECH ALONE
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 TRIPWIRE ALONE
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 TRIPWIRE and NOVATECH

Fig. 1 Tripwire with NovaTech helps electric utility companies meet 22 of the 32 requirements contained in the 10 standards.



NovaTech has been making power grids and process facilities around the world more reliable, efficient, sustainable and secure for over three decades. NovaTech is part of the Tripwire NERC Alliance Network (NAN) program that has been designed to foster collaboration on critical infrastructure compliance and security solutions that help companies efficiently and effectively achieve NERC CIP compliance. [www.novatechweb.com](http://www.novatechweb.com).



Tripwire is the trusted leader for establishing a strong cybersecurity foundation. Partnering with Fortune 500 enterprises, industrial organizations and government agencies, Tripwire protects the integrity of mission-critical systems spanning physical, virtual, cloud and DevOps environments. Tripwire's award-winning portfolio delivers top critical security controls, including asset discovery, secure configuration management, vulnerability management and log management. As the pioneers of file integrity monitoring (FIM), Tripwire's expertise is built on a 20+ year history of innovation helping organizations discover, minimize and monitor their attack surfaces. [Learn more at tripwire.com](http://tripwire.com)

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