

RISK AND RELIABILITY

NERC CIP-014-2 – PHYSICAL SECURITY SERVICES

CIP-014-2 provides guidance to utilities for protecting transmission stations, transmission substations and control centers, which if rendered inoperable or damaged as a result of a physical attack, could result in widespread instability, uncontrolled separation, or cascaded interconnection.

Critical Infrastructure Protection

For decades, ABS Group has supported organizations in performing risk assessments for critical infrastructure.

The CIP-014 standard for physical security is a high-level threat and vulnerability analysis to uncover potential threats and weaknesses and the corresponding risks should an attack take place on a critical grid juncture.

Phase 1: Risk Assessment and Verification

ABS Group provides independent reviews of existing risk assessments, allowing clients to progress seamlessly to the next stage of compliance.

Phase 2: Threat Evaluation and Physical Security Plans

As a leading provider of Engineering-Based Security Vulnerability Assessments (SVAs) and Threat and Vulnerability Risk Assessments (TVRA) for critical infrastructure, we help our clients understand their exposure and vulnerability to a wide range of hazards, including sabotage and terrorism.

Phase 3: Independent Technical Assessment

Decades of experience providing leading SVAs and TVRAs have equipped our security professionals with the expertise to provide independent technical assessments of existing and new physical security plans, helping clients stay up to date with the latest standards.

Phase 1: Risk Assessment and Verification Guidance		
R1: Initial Risk Assessment – Critical Facility Identification	R2: Independent Review of Initial R1 Risk Assessment	R3: Coordination between Operator and Owner
Phase 2: Threat Evaluation and Physical Security Plans		
R4: Threat and Vulnerability Assessment	R5: Development and Implementation of Physical Security Plan	
Phase 3: Independent Technical Assessment		
R6: Third-party Assessment of R4 and R5 Physical Security Plan		

Third-Party Assessments Are Complete: What Happens Next?

ABS Group’s security professionals and engineers have created holistic security solutions based on our successful security vulnerability studies. We provide clients with the knowledge and support they need to comprehensively and cost-effectively address their physical security risk management needs. Our aim is to provide our clients with the support they need to achieve their physical security risk management needs in a cost effective and comprehensive way.

ABS Group Physical Security Risk Management Services

Threat and Security Vulnerability Assessments	Security Risk Management	Protective Design
<ul style="list-style-type: none"> Physical SVA of Critical Facilities/Assets Risk and Resilience Analyses Security System Effectiveness Security Improvement Strategy Recommendations 	<ul style="list-style-type: none"> Security Planning Security Operations Center Assessments Benefit-Cost Analyses Benchmarking Studies Facility and Master Security Plan Development 	<ul style="list-style-type: none"> Physical Security Design Protective Hardening Intrusion Detection Monitoring and Surveillance Design Evaluations
Counter Terrorism	Third Party Security Audits	Cybersecurity
<ul style="list-style-type: none"> Hostile Vehicle Mitigation Dependency Threats Blast Analysis Ballistic Threats UAS (Drone) Threats 	<ul style="list-style-type: none"> Internal and Independent Audits Security Design Review 	<ul style="list-style-type: none"> Monitor OT and IT Networks Remotely 24/7/365 Utilize Advanced Technology Designed Specifically for OT Networks Access Threat Detection Analysts to Reduce False Positives and Increase Accuracy

Why ABS Group?

Our engineers have decades of experience providing security vulnerability assessments, developing security plans and providing third-party security subject matter expertise to corporate clients to assist them in meeting or exceeding governmental regulatory requirements. Our range of clients includes Nuclear Facilities, Oil, Gas and Chemical Plants, Ports and Terminals, and more than seven years of CIP-14 regulatory support for numerous Power Grid organizations. We work with our clients to understand their unique problems and find them a cost-effective tailored solution that meets their needs and regulatory compliance. We help organizations to understand their exposure and vulnerabilities and the long-term impacts of these, before working with them to reduce their risk.