Power Generation Care
Cyber Security Fingerprint
How prepared is your plant to defend your control systems from a cyber attack?
The Cyber Security Fingerprint identifies strengths and weaknesses in your control systems to defend against a cyber attack by gathering data from critical system configurations and key personnel, and comparing them against best practices with ABB’s proprietary software-based analysis tool. The resulting report provides detailed recommendations to reduce cyber security vulnerabilities, while helping to develop a comprehensive security strategy for your control systems.

**Benefits**
- Provides a solid foundation from which to build a sustainable cyber security program
- Identifies opportunities for risk mitigation and increased protection against a cyber security attack
- Highlights gaps in security compliance with best practices or standards
- Delivers recommendations that lead to increased plant availability and safety

**Features**
- Access to ABB cyber security experts
- Detailed findings report with recommendations to quickly close security gaps
- Software-based analysis tool to compare plant security status to best-in-class
- Standard and repeatable process to ensure consistent analysis across systems and plants
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Description of the service
An effective cyber security strategy is a continuous process that requires the identification of vulnerabilities in your security program and the remediation of those risks and the need to maintain a strong security posture. The ABB Cyber Security Fingerprint identifies security risks by collecting data, comparing the results to cyber security frameworks and providing actionable recommendations for remediation.

Data Collection
The ABB Cyber Security Fingerprint is a non-invasive service that collects computer settings from the control system without impacting the performance of the system via our Security logger software. ABB Security experts also interview key plant personnel to gather information regarding plant security policies, procedures and protocols.

Data Analysis
The data collected is entered in the ABB Security Analyzer which calculates Key Performance Indicators (KPIs) for three key areas:
- Procedures and Protocols: qualitative analysis that indicates how secure the organization is by the means of written instructions and policies
- Group Security Policies: policies implemented on the systems, enforced from a central server or implemented on an individual computer
- Computer Settings: configuration settings and applications that reside on individual computers in the system

Reporting
A comprehensive report is generated from the findings and identifies vulnerabilities and weaknesses in the plant’s cyber security posture and provides advice to remediate the risks.

Remediation
ABB is able to assist in implementing any recommendations, leveraging the ABB Security Workplace and associated Power Generation Care security services.

Key performance indicators

System

Procedures and Protocols
- Organization
- Personnel
- Access control
- Administration
- Maintenance
- Compliance
- Physical security

Group Security Policies
- Passwords
- User accounts
- Security event audits
- Recovery console
- Interactive log on
- System and devices
- Network access
- Network security
- System cryptography policy enforcement

Computer Settings
(For each computer on the system)
- Operating system
- Services
- Firewall
- Shares
- Microsoft security updates
- Antivirus
- Open ports
- Startup items
- Installed applications