

POWER GENERATION

# Power Generation Care

## Cyber Security Fingerprint

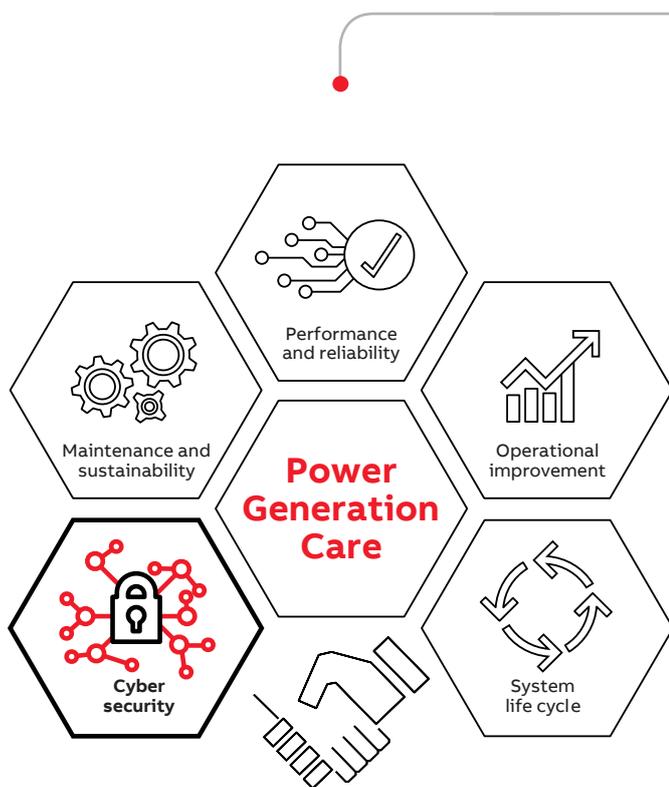
How prepared is your plant to defend your control systems from a cyber attack?



# Power Generation Care

## Cyber Security Fingerprint

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.



### Cyber security

Power Generation Care includes an integrated suite of security applications and tools for assessing and strengthening DCS cyber protection. These include fingerprinting to gauge the ability of the DCS to withstand attack; patch delivery to evaluate all software updates from Microsoft and other vendors for relevance and system compatibility; application whitelisting to ensure that only approved software and processes are allowed to run; and file sanitization to minimize the risk of introducing an infected file into the control system.

### 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

# Power Generation Care Cyber Security Fingerprint

## 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

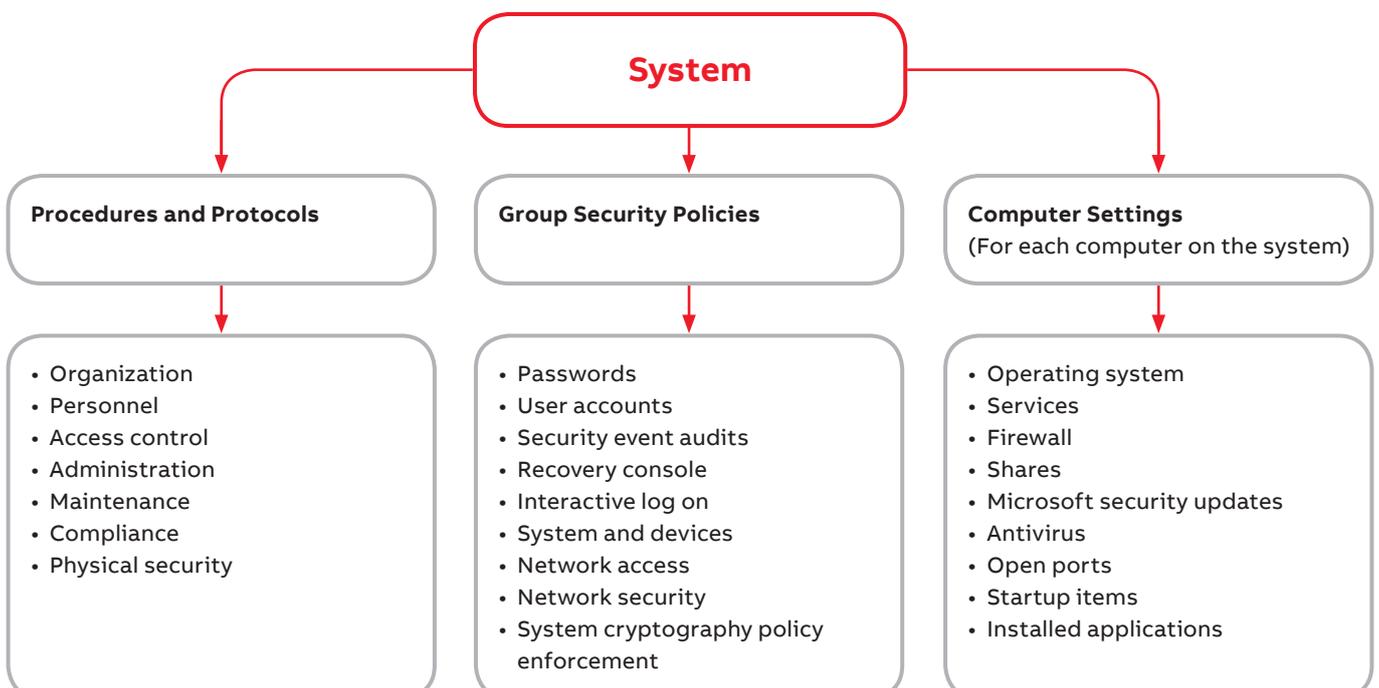
## Reporting

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



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