Effective protection and top security are only possible by taking an integrated approach to all aspects involved in process control security.

With Security Check, ABB offers a process for analyzing IT security within a process control environment to identify potential security gaps and close them.

IT Security – Secure your networks and control systems
As the presence of system networks continues to grow, so does the risk of cyber attacks from all possible angles. Nor are independent systems any safer in the face of compromised IT security. The repercussions brought on by cyber attacks can be immense, all the more so for control systems:
- Production losses
- Personal injury
- Loss of corporate image
- Loss of confidential data
- Environmental issues

The truth is, no security system is 100% effective. However, strategic planning and implementation of security measures based on a systematic risk evaluation is bound to boost security to where it can offer effective protection of your applications and systems. That’s why IT security is vital to securing your business success!

ABB Security Check
ABB Security Check is a comprehensive concept to protect your process control system. It serves to determine the best security measures for your applications and appropriate measures to enhance them. To this end, Security Check covers the following aspects and functions relevant to security:

Personnel
Employees sensitized to potential risks contribute immensely to identifying and minimizing those risks. Security awareness should be trained and maintained through seminars and workshops.

Access control
Properly implementing data access security in control systems is essential to the preservation of trust, integrity and availability. User and access rights to your control system require comprehensive and unequivocal supervision.

Administration and maintenance
The purpose of firewalls and gateways is to control network traffic between different security levels, filtering out any dangerous or unwanted material. It is recommended to periodically check the effectiveness of all routines implementing backup strategies, activity logs, anti-virus applications and patch management backups in your control systems.

Compliance
Security guidelines are key to the effectiveness of any security mechanism. Implementing and maintaining them keeps the risk of security-relevant incidents to a minimum. Security consultants are glad to offer advice and assistance in establishing and maintaining security guidelines for your business.

Physical protection
Access authorization to facilities, rooms, cabinets, etc. is a security mechanism for the physical protection of businesses. Its implementation and effectiveness have to be beyond reproach.
ABB Security Check service package

ABB Security Check includes the following services:

**Security check**
Your process control applications are checked and evaluated for any IT-related security gaps. All you need to do is fill out a standard questionnaire dealing with the aspects and functions mentioned earlier. You will then receive a report detailing any potential security issues and recommending ways to fix them.

**Optional services**
With Security Check, we also offer a number of optional services for Windows-based 800xA and Freelance control systems, including:

- Installation and maintenance of firewall systems
- Installation and maintenance of plant security servers:
  - Computer hardware
  - Firewall hardware
  - Security network segment “Demilitarized Zone” (DMZ)
  - McAfee virus scanner (EPO server)
  - MS patch management (WSUS server)
  - Terminal Service Gateway
  - Remote Diagnostic Service (RDS)
  - Backup management
  - USB data exchange
- Development and implementation of plant-specific backup concepts
- Available recovery sets including all relevant software and data carriers for prompt system recoveries
- Available system hardening via optimized network port locking, user management and firewall-protected network segments for increased defense and protection against unauthorized access.
- Management of required anti-virus software and security patches
- Consulting services for the set-up and implementation of cyclical routine checks.

For more information, please contact:

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