

SERVICE PROFILE

SECURITY SERVICES

SECURE YOUR AUTOMATION ENVIRONMENT

Industrial automation and control systems, like IT systems, are vulnerable to security issues, both intentional and unintentional. However, traditional means of securing business systems are often unsuitable for the automation environment.

Companies, today, face regulatory compliance issues and require extensive support to understand how to deal with them in relation to the integrity of information and availability of control in the automation layer.

Security incidents, such as unauthorized control program modification and viruses, often result in reduced control system reliability and often production shutdown and other implications such as safety, regulatory compliance, and quality.

Many companies lack sufficient automation security knowledge and experience to mitigate against threats or even recognize that a problem was security-related. Manufacturers must be able to respond to security-related events across maintenance and quality practices, in addition to employing security techniques.

CRUCIAL TO THE RELIABILITY AND SUCCESS OF YOUR MANUFACTURING AND CONTROL SYSTEM



The right security policy, procedures and technologies limit disruptions, protect your process environment and improve production

SHIELD YOUR PRODUCTION ENVIRONMENT FROM RISK

With Security Services for industrial automation and controls from Rockwell Automation, you can leverage our long heritage in the automation industry to identify the security-related issues that reduce automation asset reliability and develop a mitigation plan to protect automation assets and assure optimal performance. You can realize the following benefits:

- Increased confidentiality, integrity and availability of automation controls
- Increased reliability, capacity, and throughput
- Reduced unplanned downtime and planned downtime duration
- Improved information sharing and supportability of the shop floor
- Improved safety, quality, and regulatory compliance

Limiting disruptions protects your process environment and improves production. With the right security policy, procedures and technologies, you're able to shield your production environment from risk.

SECURITY SERVICES TO FIT YOUR NEED

Rockwell Automation can help you meet your business and operational goals.

Rockwell Automation can give you the skills necessary to implement your security project or we can manage your entire security program. From assessing your current probability to designing your network and providing root-cause analysis of security incidents – Rockwell Automation can provide a complete resolution.

Controls Security Assessment

Whether you're implementing your security project or having Rockwell Automation manage it, the Controls Security Assessment is designed as a key first step in an overall security deployment plan. This assessment follows industry recommended practices as defined by ISA-99 (Industrial Automation and Controls Security) and Rockwell Automation practices and project experience. The assessment includes reviews, interviews, and analyses at the corporate level. This process defines the gaps and needs between existing security and requirements and improvements for future risk mitigation. It includes gathering information about your company to identify potential compromises to the business environment down to the shop floor and how to improve the overall security of the enterprise through summarizing vulnerabilities to the corporate environment.

The enterprise level assessment is intended to establish a clear and common position within the company for security in the controls environment. The outcome is a path forward to continuously improving overall security. The Enterprise Assessment includes a review of the following:

- Risk Identification, Requirements Modeling
- Existing Policies
- Asset Identification and Vulnerability
- Data Flow Modeling
- Network Design Documents and Interviews with Key Staff
- Installation Planning and Deployment Plan
- Industrial Automation and Controls Security Considerations

The plant based assessment can be provided in conjunction with the Enterprise Assessment or stand-alone. This assessment includes:

- An analysis of existing security policies and their application, use, and management for the specific site.
- Optional network evaluations (Ethernet networks) to assess current network performance, application of security technologies (firewall, DMZs), network and operating system vulnerabilities, access (internal and remote) and authentication policies.

Controls Security Seminar

If you're planning to implement your security program yourself, Rockwell Automation can provide an intensive seminar based on information gathered from your organization, providing in-depth discussion about your specific security issues and presenting the process in detail. During this session, Rockwell Automation provides tools, techniques, and services to help as an advisor rather than running the project. This fee-based service provides a good overview and approach for security plan development.

Complete Implementation

Rockwell Automation can implement your entire security deployment plan by following industry recommended practices and utilizing the standard Rockwell Automation framework.

Complete implementation includes:

- Controls Risk Assessment
- Security Architecture and Design
- Security Policy and Program Design
- Training and Implementation
- Return on Security Investment and Cost Benefit Analysis

Included in your security program implementation is a Security Architecture Review. Rockwell Automation will perform a full architecture review and analysis of your networks and make recommendations for your network and information infrastructure. You will receive a full network design with security topology presented in a form that can be sent out to any network hardware vendor or integrator to implement.

An on-site analysis of your network, including interfaces into IT and connections to the business LAN is conducted. This includes evaluation of cyber security of industrial control networks and integration strategies with business infrastructure.

Security Incident Response

We can perform an incident response, post-incident analysis and other services after a security event to determine what happened, how it happened, and how to prevent it in the future.

More Information

Security Services can be ordered by contacting your local authorized Allen-Bradley distributor or Rockwell Automation sales office.

For further information on Security Services go to:
www.rockwellautomation.com/solutions/security.

www.rockwellautomation.com

Power, Control and Information Solutions

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