



Network Security with EAGLE One (SP1)

Target Group

Product training course for Technicians and Engineers who are involved with the security of an industrial network.

Prerequisites

An understanding of Ethernet and TCP/IP, for example "Industrial Ethernet (CT1)" and "Industrial Networking (CT2)" is required. If available, the participant should bring a laptop with Ethernet connection and an operating system CD. Administrator rights are required.

Objective

In a professional environment the participants receive in-depth knowledge about the EAGLE One and the two port firewall variants and their security functionality. This includes installation, commissioning, and supervision.

The training is part theory and part practice. The necessary knowledge about functions and deployment possibilities are taught in individual theory blocks. Each block is followed by practical exercises, designed to familiarize the participants with the devices through first-hand experience.

As office and industrial networks become linked by the mutual use of TCP/IP, new requirements arise in the field of network security. The Hirschmann™ two port EAGLE industrial firewall was developed specifically to meet these requirements. Consequently it offers a large range of protection functionality for virtually every design of network.

In order to achieve the highest level of security, the network administrator must master the art of firewall configuration, and deploy it to meet the requirements of a specific network.

Duration

3 Days
9:00 – 16:30

Schedule / Location / Price:
www.hicomcenter.com



Recommended for the Hirschmann™ Industrial Security Professional certification examination.

Seminar Content

Basic Settings

- Operating Modes
- Static Routing
- Firmware management
- Configuration management
- Port configuration
- Time Synchronization

Security

- SNMP, Web, SSH access
- User Firewall

Network Security

- Filtering IP Packets
- Filtering MAC Packets
- Firewall Learning Mode
- Address templates
- NAT (1:1)
- IP masquerading (1:N)
- Port forwarding
- Denial of Service

Virtual Private Networks (VPN)

- Authentication
- IKE settings
- IPsec Settings
- IP Networks
- Address Mapping



Redundancy

- Transparent Redundancy
- Router Redundancy

Diagnostics

- Events
- Syslog
- Port statistics
- Topology Discovery
- Device Status
- Firewall Lists
- Configuration Check

Advanced

- DNS Server
- Dynamic DNS
- Packet forwarding
- DHCP Relay and Server