

HIRSCHMANN CERTIFIED TRAINING

HIRSCHMANN OPERATING SYSTEM HIOS LAYER 2 SOFTWARE (HIOSL2)



HiOS is an entirely new operating system for Industrial Ethernet, combining high performance with robust security. It permits the use of intelligent infrastructure in time-critical applications that were previously a 'hard-wired' domain via new point-to-point connection technology.

With zero switchover time, the PRP (Parallel Redundancy Protocol) and HSR (High-Availability Seamless Redundancy) redundancy methods ensure smooth production processes. Comprehensive security mechanisms protect networks against attacks and operating errors.

WHO SHOULD ATTEND

Product training course for System Engineers, Network Designers and Support Technicians.

PRE-REQUISITES

An understanding of Ethernet and TCP/IP, for example "Industrial Ethernet (CT1)" and "Industrial Networking (CT2)" is required. The participant should bring a laptop with Ethernet connection. Administrator rights are required.

OBJECTIVE

In a professional environment the participants receive in-depth knowledge about the Hirschmann Operating System (HiOS) Layer 2 functionality of the various RSP variants, MSP, GREYHOUND, and EES devices. This includes installation, commissioning, and supervision.



3 days | 9.00 am to 4.30 pm



\$1,299 ex. per person

NB: Minimum class number must be attained before classes can commence.

SEMINAR CONTENT

» Basic settings

- Software management
- Configuration management
- External memory

» Switching

- Port configuration
- Rate Limiter
- IGMP
- VLANs
- Quality of Service

» Redundancy

- MRP
- PRP
- HSR
- Rapid Spanning Tree
- Subring
- Link Aggregation
- MRP over LAG
- Linkbackup

» Network security

- Port Security
- Denial of Service (DoS)
- Authentication (802.1x)
- Access Control Lists (ACLs)



» Diagnostics

- Port Mirroring
- Device status
- Security Status
- Topology Discovery
- Configuration check
- Event log
- Persistent Logging
- SFlow

» Advanced

- DHCP Relay and Server

**OTHER
COURSES**

INDUSTRIAL
ETHERNET (CT1)

INDUSTRIAL
NETWORKING (CT2)

INDUSTRIAL
ROUTING (CT3)

**HIRSCHMANN
OPERATING SYSTEM
- HIOS LAYER 2
SOFTWARE (HIOSL2)**

NETWORK
MANAGEMENT WITH
INDUSTRIAL HiVision
(CP2)

HIRSCHMANN
OPERATING SYSTEM
- HIOS LAYER 3
SOFTWARE (HIOSL3)