Valmet DNA network course

This course provides a detailed review of the Valmet DNA network structure, communication and TCP/IP-protocol, network diagnostic and configuration of network components.



Objective

After completing the course the maintenance people will be familiar with Valmet DNA network and communication protocols and are able to solve typical problems.

Target group

Persons responsible for the maintenance of the Valmet DNA.

Prerequisite

Valmet DNA Basic course

Course duration

2 days

Course limit

Max. 8 attendees

Benefits

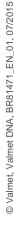
Through Valmet's professional training programs, either standard courses or tailored to your specific needs, you will have optimized competences available in your organization. Together we make a development plan for your personnel based on your business needs, and deliver the agreed training flexibly and effectively.

Optimized competence development enables
•better utilization of features in the automation
and control solutions

proper installation, start-up, operation and maintenance of the solutions and equipment
improved knowledge of product-related safety and environmental issues

better employee motivation

The results are typically visible as higher productivity, plant availability, improvements in end product quality, time and material savings.



Course Program

Day 1, 9:00 – 16:00

Valmet DNA system architecture

- Control room bus
- Process bus
- Network components

Network components and cabling

- •10Base2, 100BaseTX, 100BaseFX
- Repeater, HUB
- Switch, router

TCP/IP briefly

- TCP/IP model
- •IP addresses
- Subnetmask
- Routing generally

Day 2, 8:30 – 15:00

Valmet DNA communication

- IP addresses
- Multicast addresses
- Hardware addresses
- Token addresses

Switch

- Function
- •IGMP
- •STP
- RSTP
- VLAN
- Configuration

Valmet DNA troubleshooting

Ethernet troubleshooting

Competence Solution Training Assessment Continuous development Development Analysis

Assessment

Assessment of the technical competence of your team against the goals, addressing changing production and maintenance goals

Analysis

Analyzing the assessment results and possible gaps

Development plan

Identifying relevant training needed to bridge gaps in competence,

Training

Carrying out the specified training as scheduled Predefined or customized, classroom and hands-on training with training demos and process simulators

