

LON in Substation Communication

The aim of this course is to teach participants how to connect REF 543 and SPAD 346 to MicroSCADA with LON communication protocol. The participants will become familiar with the software and hardware required to build a station level communication using LON protocol.

Objectives

After this course the participant will be able to:

- understand the basics of the LON protocol in regard with the hardware and software provided by ABB Distribution Automation
- use LON Network Tool (LNT 505), LON/SPA Gateway Configuration Tool (LSG CFG) and System Configuration Tool (MicroSCADA)
- build a communicating station level system

Participant profile

Electrical engineers who want to learn the basics of substation communication and who want to build a system, where MicroSCADA and ABB relays communicate with each other using LON protocol.

Prerequisites

Basic knowledge of MicroSCADA, REF 543 and SPAD 346 or knowledge corresponding to courses O312, O316, O232 and O233.

Topics

- Introduction to LON
- Hardware and software used in ABB Distribution Automation
- Building of a communication system with LON
- Configuration tools
- Principles of vertical communication

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| Course Code | O249 |
| Duration | 1 day |
| Course Fee | 450 EUR + VAT (22%) |
| Language | English |
| Registration | For registration please contact Vaasa.ABBuniversity@fi.abb.com |

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