

IEC 61850 Basics, Application and Testing

with the CMC Family

Summary: Get a thorough introduction to the IEC 61850 standard in a combination of theoretical and hands-

on sessions. Get familiar with the IEC 61850 implementation in IEDs from different

manufacturers. Learn how to efficiently test IEC 61850 substations with the CMC test system,

IEDScout and SVScout.

Prerequisites: Basic knowledge of electrical engineering

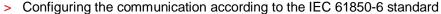
Duration: 3 days Language: English Code: C.0055.AAX



Objectives

> Designing and analyzing IEC 61850 based communication systems





> Performing commissioning and functional testing of IEC 61850 based IEDs and systems



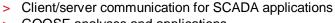
Content



- > Basics of IEC 61850
- > Data models and services
- > Specific communication mappings



- > Configuration and engineering
- > Basic aspects for designing communication networks





- > GOOSE analyses and applications
- Sampled Values basics



- > Engineering of an IEC 61850 application
- > Hands-on testing of IEC 61850 IEDs and systems



Products



 IEDScout, SVScout, GOOSE Configuration module, Sampled Values Configuration module, IEC 61850 Client/Server





> CMC test sets with Ethernet adapter

Audience

Technical staff from electric utilities or companies involved in project planning, commissioning or maintenance of IEC 61850 systems