

## IEC 61850 Protection Testing with OMICRON CMC Test Equipment

**Summary:** Get an introduction to the IEC 61850 standard in a combination of theoretical and hands-on sessions. Learn how to efficiently test IEC 61850 substations with the CMC test system, IEDScout and SVScout.

**Products:** CMC-Family

**Duration:** 1 day

**Language:** English

**Code:** C.0033.AAX



### Objectives

- > Understanding and analyzing the Data Model of IEC 61850 IEDs
- > Working with Client/Server, GOOSE and Sampled Values services for power utility automation
- > Using IEDScout to obtain and work with SCL files from different relay vendors
- > Performing commissioning and functional testing of IEC 61850 based IEDs and systems



### Content



- > Basics of IEC 61850
- > Data models and services
- > Client/Server communication: Control and Report
- > GOOSE analyses and applications
- > Sampled Values basics
- > Configuration concept (SCL)
- > Testing of IEC 61850 IEDs and systems



### Products

- > IEDScout, SVScout, GOOSE Configuration module, Sampled Values Configuration module



### Audience

Technical staff from electric utilities or companies involved in testing or maintenance of protection systems utilizing IEC 61850

