

IED Integration and Automation Training

Course: Using Visual T&D Training
P-TTRN-0201-00

Duration: 2 days

Overview:

Participants are introduced to the technical and functional capabilities of Visual T&D and are shown how to use it as a substation HMI or SCADA for a small network. During this process, participants become familiar with all aspects related to using, maintaining and troubleshooting Visual T&D. Detailed hands-on procedures ensure that all participants acquire the skills required to set up and use Visual T&D.

Recommended Audience:

The course is intended for engineers, technicians and operators involved in the process of specifying, selecting, installing, configuring, maintaining or operating an HMI application in a substation.

Prerequisites:

Participants should have at least an introductory understanding of typical substation HMI application problems.

Objectives:

At the end of a full course, participants will be able to:

- Understand what applications Visual T&D can best be used for
- Connect Visual T&D to a data source.
- Configure Visual T&D to display real time data in tabular views and trending views.
- Set up alarms and notification.
- Query and analyze historical data.
- Create interactive annunciator panels and one line diagrams.

Contents:

- Introduction
- Overview of Visual T&D capabilities
- Introduction to the client-server architecture
- Installing and setting up the server
- Installing the client
- Connecting to the data sources
- Introduction to standard configuration concepts
- Introduction to site-specific configuration concepts
- Setting up and using real-time data monitoring functions
- Setting up and using alarm and event functions
- Setting up and using historical data analysis functions
- Creating single-line and other diagrams
- Setting up control functions
- Generating reports

Conditions:

- Courses run from 8:30 AM to 4:30 PM, for two consecutive days.
- Courses can be held at Cooper Power Systems' Montreal City offices or at client facilities.
- Each participant will receive printed notes and a CD with current software and documentation.
- Courses can be tuned to the special requirements of a group. Greater emphasis can be placed on functions, protocols and devices that are relevant to the group's particular applications.
- Availability of specific field devices to be used for hands-on exercises must be arranged for ahead of time.
- For courses given at its offices, Cooper Power Systems provides the SMP Gateways and computers for the hands-on exercises.

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