



## Writing Switching Orders for Distribution Substations [846]

### Overview

This course is designed to provide qualified Integrated Transmission System (ITS) operators with the skills and knowledge to write switching orders to de-energize and to restore power to distribution substations that are part of the Integrated Transmission System, following Electrical System Operating Procedures. The training defines the purpose and operations of a substation and provides an explanation of responsibilities. Both individual safety and substation safety are emphasized throughout the program.

Participants are taught to identify system configuration using one-line diagrams, voltages, system equipment and how to write switching orders in an ITS distribution substation.

### Duration

1 Day

### Topics

- Introduction
- System One-Line Diagrams
- Operating Procedures
- Substation Equipment
- Writing Switching Orders

### Audience

Any ITS Qualified Operator with current Switching Authority status.

### Prerequisites

Course 802 – Qualified Operator 5-Day (Switching Authority)

### Objectives

- Identify equipment symbols, substation designs and associated numbering methods used on system one-line diagrams. Write a switching order to de-energize and to restore power to a distribution substation in accordance with Electrical System Operating Procedures.
- Write a switching order to de-energize and to restore power to a distribution substation in accordance with Electrical System Operating Procedures.

### Activities

- Introduction
- System One-line Diagrams
- Operating Procedures
- Substation Equipment
- Writing Switching Orders
- Examination

## Requirements

- Classes are held at the Electric Cooperative Training Center or an EMC location.
- Class size:
  - Minimum of four (4) participants.
  - Maximum of eight (8) participants.
- All participants must attend the entire training session.
- Participants must complete an examination.

CEUs

TBD