



Substation Restoration Re-qualification [893]

Overview

This course is designed to review emergency restoration procedures, update students on new equipment and practices, and re-qualify individuals with current grounding authority. It provides hands-on experience in distribution and transmission substations during restoration. 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 how to originate switching orders, receive clearances, and properly ground to restore EMC load to a distribution or transmission substation that is part of the Integrated Transmission System (ITS).

This program provides participants with the basic knowledge of how to safely perform normal operating duties and restore power in a substation after a fault, following the Electrical System Operating Procedures.

Duration

1/2 Day

Topics

- Introduction
- Substation Safety Procedures
- Clearances and Hold Tag Procedures
- Grounding Practices for Substations
- Substation Switching Scenarios

Audience

Any ITS Qualified Operator with current Switching/Grounding Authority status.

Prerequisites

Course 892 – Substation Emergency Restoration Training
Course 802 – Qualified Operator 5-Day (Switching Authority)
Management Approval

Objectives

- Comply with all safety rules in accordance with industry safety procedures when entering or exiting a substation and when operating equipment on the ITS.
- Receive, write and physically execute a correct switching order in accordance with the Electrical System Operating Procedures.

- Physically demonstrate proper procedure for installing and removing system safety grounds.
- Physically demonstrate proper procedures for restoring power in a substation following an outage by gathering and interpreting information appropriately.

Activities

- Introduction
- Safety
- Executing Switching orders and signing on clearances
- Inspecting and applying grounds in substations
- Switching Scenarios
- Examination
- Field Evaluation

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.
- Re-qualification is required annually (within 12 months).
- Training should be scheduled at least one month in advance.

CEUs

TBD