Class Description

As the use of the Bulk Electric System (BES) continues to grow, and the infrastructure is slow to be upgraded, operating within the operating limits (IROL/SOL) can become a challenge.

In this class we will look at operating the BES within safe, acceptable operating limits. We will define what safe and acceptable is, and how the limits are set and what are the factors affecting the limits. We will also look at the various types of limits. Students will then use the generic simulator to fix various types of overloads on different types of equipment such as lines and transformers.

Class Topics

1. Definition of the three types of operating limits:
   a. Thermal
   b. Voltage
   c. Angular

2. Protecting for each type of limit

3. Explore exceedances and violation of each limit

4. Practice resolving each type of limit using a generic simulator

5. Assess how pre and post-mitigation measures can be utilized

6. Enhance operator skills such as system assessment, reviewing and providing “turn-over notes” and logging

Who Should Attend  This class is designed specifically for System Operators.

Skill Level  Intermediate-Advanced

Prerequisite  None

Instructor  Lynn Rasmussen  Grid Training Solutions

NERC CEH Credits provided by Grid Training Solutions

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Class Duration  3 days - Tuesday 8:00 a.m. - Thursday 5:00 p.m.
Manual          Participant Guide will be provided upon class check-in
Register Here   February 2-4, 2016
                December 13-15, 2016