

System Operations and the Generator

Background

This online course is delivered through [Spark! By OES-NA](#). The course is intended to provide Generating Plant Personnel and System Operating Personnel with an explanation and understanding of the role of generating plants in operating the Bulk Electric System. The module identifies operating terminology, generator operations and their role in voltage control, balancing, and restoration.

Course Level

Not Applicable

Target Audience

The course is intended for Generating Plant Personnel and any personnel who desire to gain an understanding of the power system with regards to generators.

NERC Continuing Education Hours

TOTAL:	3.0 CEHs
Standards:	0.0 CEHs
Ops Topics:	3.0 CEHs
Sim:	0.0 CEHs

Course Content

The module explores the operation of the power system relating to balancing, voltage control, and restoration. In addition, the module explores terminology that is used between Plant Operating Personnel and System Operating Personnel with an attempt to identify different terms that have a common meaning. The module also identifies the roles and responsibilities of the parties to operating the BES which includes the Reliability Coordinator, Balancing Authority, Transmission Operator, and Generation Operator.

Delivery Schedule

Because the course is delivered on an individual basis via the Internet, individuals have the ability to set their own pace and schedule for completion of the course. Registered students are provided with 12 months from the time of registration to complete the course.

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Student Requirements

- Students must sign-in using their individual log-in and password to access the course.
- Students are required to provide their NERC SO Certification # and other applicable contact information during the course registration process.
- Students must complete all course material prior to attempting the simulations.
- Students must complete the final activity assessment.
- Students must submit a course evaluation form. (Level of completion is not measured, but full completion is desired)