Dispatching in Adverse Conditions

Background

The course is intended to provide system personnel with an explanation and understanding of Bulk Electric Power system operations during adverse weather conditions. This module provides a unique opportunity to earn NERC CEHs related to both NERC Standards and simulation. The module provides a review of NERC EOP Standards that include: EOP-004, EOP-005, EOP-006, EOP-008, EOP-010, and EOP-011. The module then provides a brief overview of System Operator general areas of responsibility. The module then proceeds to natural disasters that have the potential to impact the operation of the BES. The natural disaster events discussion includes hurricanes, ice storms, earthquakes, wildfires and flooding, and finally Geo-Magnetic Disturbances. During each discussion previous system events are explored and considerations for system personnel. Each disaster discussion is followed by simulation activities dealing with the associated disaster. As part of the activity completion, students are required to document both what they observed in the simulator, in addition to the actions that were implemented. Individuals must complete 100% of the assessment in order to be awarded the NERC CEHs.

Course Level

Not Applicable

Target Audience

The course is intended for System Operators and any personnel who wish to gain knowledge associated with natural disasters and their impact on the Bulk Electric System.

NERC Continuing Education Hours

TOTAL:	16.0 CEHs
Standards:	3.0 CEHs
Ops Topics:	16.0 CEHs
Sim:	13.0 CEHS

NERC Emergency Training Requirement

16.0 hours of Emergency Training

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Dispatching in Adverse Conditions

Course Content

Dispatching in Adverse Conditions

This course steps through a review of the applicable NERC EOP Standards. The module identifies the various natural disasters and their potential for impacting the Bulk Electric System. Participants are provided with elements for consideration for each of the disasters identified. The module then provides a unique opportunity to complete simulation activities related to each natural disaster discussed and the BES on the Finist simulator model.

Delivery Schedule

This course is delivered over a 16-hour period consisting of two 8-hour days.

Student Requirements

- Students must sign-in for all class activities.
- 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 100% of the final activity assessment.
- Students must submit a course evaluation form. (Level of completion is not measured, but full completion is desired)

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