

Cloud Finist Geomagnetic Disturbances I

Background

This Cloud Finist online course is delivered through [Spark! By OES-NA](#) in cooperation with Monitor Electric. The course is intended to provide system personnel with an explanation and understanding of geomagnetic disturbances and their impact on the Bulk Electric Power system. This module provides a unique opportunity to earn NERC CEHs related to simulation. The module provides a brief overview of what GMDs are, how they develop, how they impact the BES, and how the GMD activity is identified and disseminated. The module then requires students to complete two simulation activities related to GMDs. 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 of Geomagnetic Disturbances, their impact on the BES, and actions to implement in response to its activity.

NERC Continuing Education Hours

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

NERC Emergency Training Requirement

3.0 hours of Emergency Training

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Course Content

Geomagnetic Disturbance Review

This online course steps through an explanation and understanding of geomagnetic disturbances and their impact on the Bulk Electric Power system. The module provides a brief overview of what GMDs are, how they develop, how they impact the BES, and how the GMD activity is identified and disseminated. The module then provides a unique opportunity to complete two simulation activities related to GMDs on the Cloud Finist simulator model.

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.

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 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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