

# Cloud Finist Restoration 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 power system restoration from events that caused full or partial shutdown of the Bulk Electric System. This module provides a unique opportunity to earn NERC CEHs related to simulation. The module provides an overview of power system restoration concepts and principles. The module then requires students to complete two simulation activities. 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 power system restoration concepts and principles.

## NERC Continuing Education Hours

<b>TOTAL:</b>	5.0 CEHs
<b>Standards:</b>	0.0 CEHs
<b>Ops Topics:</b>	5.0 CEHs
<b>Sim:</b>	5.0 CEHS

## NERC Emergency Training Requirement

5.0 hours of Emergency Training

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## Course Content

### **Restoration Review**

This online course steps through a review of elements contained in the NERC Restoration Reference document related to power system restoration. The module explores the system assessment following an event that has caused a full or partial system shutdown. The review then proceeds to the restoration process, switching approaches, restoration island building, synchronizing, and load pick-ups, voltage and frequency control, and finally, island synchronization. The module then provides a unique opportunity to complete two simulation activities related to balancing and control 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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