

# Ground Fault Troubleshooting

This course provides an in-depth understanding of how to identify and correct ground faults in the electric power equipment of the MUX BOP Control System.

**NOTE:** this course content is included in the GEN2 MUX Control System Troubleshooting class

## Course Goal

This course aims to increase the theoretical understanding of the operation of the MUX BOP Control System.

## Course Topics

- MUX Control System Component and Schematic Review
- Ground Fault Fundamentals
- Ground Fault Alarms
- Ground Fault Types
- Ground Fault Monitors
- Ground Fault Identification and Resolution

## Course Objectives

Upon completion of the course, participants will be able to:

- Explain a ground fault condition and its ramifications to system operation.
- Identify all individual ground fault alarms.
- Identify the type of circuitry of each alarm.
- Identify the scope of monitoring for each alarm circuit.
- Identify typical sources of ground fault conditions.
- Identify the proper document used for various ground fault troubleshooting procedures.

## Target Group

Personnel responsible for troubleshooting and maintaining the electronic equipment of the MUX BOP Control System.

## Prerequisite Skill and Knowledge

Attendees need to be familiar with the standard symbology used in electrical schematics and have a basic understanding of the surface and subsea BOP control system operation. Depending on the learner's job context, GEN2 MUX Control System Fundamentals and/or SeaONYX® Control System Fundamentals are recommended prerequisites.

## Personal Protection Equipment

Eye protection is provided when required.

## Course Capacity

Maximum number of participants is 8.

## Course Duration

1 Day Classroom and Practical

