

GEN2 MUX Control System Troubleshooting

In this course, learners apply a systematic troubleshooting methodology to identify and isolate faults related to MUX Control System's electric power and communication sub-systems.

Course Goal

This course aims to provide practical, hands-on experience identifying and correcting faults in the MUX BOP Control systems electric power and communications sub-systems.

Course Topics

- HSSE
- System Components and Schematics Review
- Troubleshooting Methodology
- Hardware/HMI Identification
- Baseline System Operation
- System Power Fault Identification and Resolution Exercises
- System Communication Fault Identification and Resolution Exercises
- Ground Fault Troubleshooting and Resolution Exercises

Course Objectives

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

- Describe the normal operation of the MUX Control System.
- Identify power and communication fault conditions using software HMIs and hardware indications.
- Use interpretation of schematics and diagnostic testing of power and communication signals to isolate faults.
- Resolve faults to restore the system to normal operation.

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. Experience using basic electrical measurement tools (e.g., multimeter) to troubleshoot electrical power and electronic communication systems is highly recommended.

GEN2 MUX Control System Fundamentals is a recommended prerequisite.

GEN2 MUX Control System Electronics is a required prerequisite.

Personal Protection Equipment

Eye protection is provided when required.

Course Capacity

Maximum number of participants is 8.

Course Duration

4 Days Classroom and Practical

