



UPS SYSTEM OPERATION & MAINTENANCE

Understanding the operation, maintenance, troubleshooting, and application of facility electrical systems is instrumental in ensuring a safe and reliable operation.

This class covers the safe operation of a facility electric plant to include recognition of specific hazards and safe switching. System design and layout are reviewed to gain a clear understanding of the system as a whole. UPS distribution and large frame circuit breaker operation and maintenance are reviewed in detail.

Anyone responsible for the operation or maintenance of the electric plant should attend. Those needing to ensure a proper response to a substation emergency should also attend.

INTRODUCTION

SAFETY

Hazards
Protection

UPS SYSTEM DESIGN

Configuration
Equipment Overview

OPERATION

By Pass UPS
COD Board Operations
Review Failure Scenarios
Reset of RPP following loss

- Input Breaker Fails
- Output Breaker Fails
- PDU Fails

Review Existing MOPS
Review paralleling generators, switchgear, and applicable Kirk key operation

SWITCHING

Safety
Procedures
Equipment
Emergencies

SYSTEM WALKTHROUGHS

Course includes 8 hours of in plant
walkthroughs

CONCLUSION