



**GCC Electrical  
Testing Laboratory**  
المختبر الفليبي لفحص المعدات الكهربائية

## High Voltage Electrical Switching Safety for Operators

This interactive 5-day seminar combines theoretical background with practical experience to provide High Voltage Operational Safety for Professional Engineers. The Course is designed to be suitable for participants from various backgrounds i.e. From Electrical engineers to technicians and operators. However, the pre-requisite requires the participants to have a sound knowledge of basic electricity.

Safe Systems of Work and associated HV Electricity Safety Procedures are applicable to all personnel who are required to work on or near HV Electrical Apparatus.



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Education  
Course Code: \_\_\_\_\_

## High Voltage Electrical Switching Safety for Operators

AUGUST  
26 - 30  
2018



### PROGRAM

The Course program contains the following training outline:

**DAY 1:**

Communications & Electrical Safety Procedure and Apparatus Familiarization.

**DAY 2:**

Site Inspection, Safe Approach Distances and Access to HV Apparatus.

**DAY 3:**

Safe Approach & Access to HV Apparatus, Labelling, Tags, Barriers, Coordination & Carrying out Switching.

**DAY 4:**

Write Switching Programs for practical, Isolations, Earthing.

**DAY 5:**

Electrical Access Permit Procedure; writing, issuing and cancelling.

### Objectives

**Upon completion of this course, the Participant will be able to:**

- Demonstrate the knowledge to effectively communicate operational instructions
- Demonstrate working knowledge of the Safe Approach Distances that apply to Personnel, Vehicles and Mobile plants.
- Demonstrate knowledge of the various Forms of Authorizations associated with access and / or work on or near High Voltage Electrical Apparatus.
- Demonstrate working knowledge of the requirements for Tagging, Barrier-ing and Signage
- Demonstrate the knowledge required to write a Switching Procedure.
- Demonstrate the knowledge and skill required to perform nominated types of High Voltage Circuit Isolations & De-isolations on a HV Electrical Supply System
- Demonstrate the knowledge and skill required to perform nominated types of Earthing Operations on a HV Electrical Supply Systems.
- Demonstrate the knowledge & skill required to write an Electrical Access Permit for a selected item of electrical apparatus.
- Demonstrate the knowledge & skill required to, issue & cancel Electrical Access Permit for a selected item of electrical apparatus.



**Addressed to:**

Electrical engineers working in operations, maintenance, engineering, or other service field in which knowledge of design and electrical testing methods and evaluation is required part of his job responsibility.

**Duration:**

5 Full Days

**Course Fees:**

**Location/Venue:**

GCCIA HQ, Dammam