Course description

INTCV218
Controlled Switching of Circuit Breaker

Course goal
The goal of the course is to improve the ability of Personnel's from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations to optimally use and select the Circuit Breakers in better way with use of Controlled Switching to mitigate switching transients imposed on various power system equipment like reactors, power transformers, capacitor banks and transmission lines. This would in-turn, help to improve life cycle duration of circuit breakers.

Learning objectives
Upon completion of this course, students will be able to:
- Current and voltage stresses imposed on circuit breakers during switching operations of power system equipment.
- Important factors related to circuit breakers befitting controlled switching requirements.
- Controlled switching philosophy various power system equipment.
- Practical problems associated with implementation of controlled switching.

Participant profile
Personnel from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations

Prerequisites
- Degree or diploma in engineering, basic knowledge of power system

Topics
- Basics of Controlled Switching
- Need of Controlled switching
- Applications for different power system equipment
- Requirements of the circuit breaker.
- Commissioning experience & Case studies.
- Hands on.

Course type and methods
This is an instructor led seminar followed by hands on. The language of the course is English.

Course duration
The duration of the course is 1 day.