COURSE DESCRIPTION

INTCV559
HV Circuit Breakers – 72.5kV
Type EDF SK 1-1



The goal
The objective of the course is to improve the ability of personnel from power utilities, power generation, transmission companies and industries and consultants who are responsible for the engineering, commissioning, operation and maintenance of substations to use circuit breakers more efficiently.

Learning objectives
Upon completion of this course, participants will be able to:

- appreciate design principles and critical elements.
- Comprehend the critical elements of erection, commissioning, troubleshooting, operation and maintenance of HV circuit breakers.
- Understand the do's and don'ts for HV circuit breakers

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

- Construction standards.
- Interrupting principles.
- Breaker components: interrupters and operating mechanisms.
- SF6 properties, SF6 gas filling and handling.
- Operation, manufacturing and testing
- Control schematics.
- Overview of Erection, commissioning, maintenance and troubleshooting.

- Overview of Condition monitoring of breakers.
- Introduction to controlled switching (point of wave control).
  - Introduction of product portfolio.

Course type
This is an instructor led seminar with practical demonstration at experience center demo room, switchyard and guided tour to manufacturing facilities. The language of the course is English.

Learning methods and tools
Lectures, demonstrations, practical exercises. Laptop or tablet is required to have access to the e-documentation. Please bring your own device.

Duration
The duration of the course is two days.

To Register:
LMS:-MyLearning
Sign In: check IE browser setting Click SIGN IN to Sign-up or Log-in with your ABB account.
Search: please enter course number INTCV312 into the search field. (Please check the language filter EN)

The latest version of the course portfolio, and course schedule can be found on our
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