

Course description

CHS202

Generator Circuit-Breaker Operation & Maintenance (project-specific)

Course goal

The primary course aim is to ensure safe, cost-efficient and risk-free operation of customers' Generator Circuit-Breakers system

Learning objectives

The participant

- understands the operation and maintenance philosophy
- knows the overhaul criteria
- is able to set up a maintenance plan for the project-specific Generator Circuit-Breaker system
- can apply tools for maintenance
- knows relevant technical documentations
- knows characteristics of SF6-gas,
- is aware of health and safety aspects

Participant profile

Design and planning personnel, engineering and application personnel, operation and maintenance personnel, consultants from electricity supply industry, technical personnel from ABB companies

Prerequisites

Basic knowledge on electrical or mechanical engineering

Topics

Product description and design

- Components
- Function of arcing chamber
- Operating modes, controls and alarms
- Customer protection (interlocking)

Operating hydraulic mechanism

- Components
- Function
- Preventive maintenance

SF6-Gas handling

- Characteristics
- Health and safety aspects

Maintenance concept

- Maintenance plan
- Overhaul criteria
- Preventive maintenance
- Periodic checks
- Maintenance tools

Identification and documentation

- Dimension drawing
- Nameplate information
- Schematic diagram
- Factory acceptance test report

Course type and methods

Presentations, practical demonstrations, exercises, factory tour

Duration

2 days

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