

CHS239

SF6-Gas Handling and Measuring Instruments

Course goal

The course covers theoretical and practical training on environmental-friendly SF6-Gas handling rules and procedures

Learning objectives

The participant

- knows the properties of SF6-Gas
- understands the rules for environmental-friendly handling of SF6-Gas
- is able to handle SF6-Gas measuring instruments
- can apply SF6-Gas handling devices for filling and reclaiming procedures correctly
- can measure and analyze the SF6-Gas results

Participant profile

Project management and purchasing, operation and maintenance staff, electricity power board staff, contractor's engineering and technical staff for HV-substations, sales engineers and technical personnel from ABB companies

Prerequisites

Basic knowledge about SF6-Gas

Topics

Introduction

- Properties of SF6-Gas, environmental aspects
- Rules for safe handling of SF6-Gas for operation, maintenance and overhaul
- Disposal of decomposed SF6-Gas and decomposition products

Gas filling and reclaiming procedures

- Correct use of SF6-Gas handling devices for filling and reclaiming procedures
- Practical work with DILO gas handling devices (gas filling trolley, reclaiming, hose connections)

SF6-Gas measuring instruments

- Modern and environmental-friendly measuring devices for SF6-Gas
- Application of dewpoint-, decomposition products-, SF6-Gas -%, leak detection, pressure gauges

Course type and methods

Lectures, demonstrations, practical training with SF6-gas handling devices and instruments, discussion

Duration

2 days

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