

Module No. : INTCV – 209
Module Name : Overvoltages in power systems

Duration : ½ Day
Delivery : Instructor-Led Training
Venue : Power Technologies Training Centre, ABB Limited, Maneja, Vadodara - 390013

Objectives:

Upon completion of this course, the Participant shall be able to;

- Understand the various types and causes of over voltages in power system.
- Appreciate the effect of over voltages on system and equipment.
- Identify the situations prone to causing overvoltages
- Understand the practical ways to reduce overvoltages.
- Understand the application of surge arrestors, surge capacitors, controlled switching for reduction in overvoltages.

Contents:

The course covers the following areas;

- Types of overvoltages in power system as per IEC 60071
- The situations and events that cause overvoltage like switching and lightning
- Effect of overvoltages on power system and equipment
- Methods of calculation of overvoltages in power system
- Methods to control/reduce the overvoltage

Methodology

Classroom presentations and computer simulations.

Participants

Practicing engineers in service, commissioning, testing, design and marketing of power products, substations, consulting. All engineers involved in commissioning and service of high voltage power products.

Prerequisites

Basic understanding of electrical system or experience in electrical industry is required.

Test:

None

Certificate for each participant:

None



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