



## Overcoming challenges in Transformer Protection Testing with System-Based Testing



1 hour



English



Wprs12en

Do you know, if your transformer differential protection is set correctly? Are you sure it reliably detects faults while maintaining stability during external faults and load scenarios? Do you struggle testing functions like inrush blocking based on current waveform analysis and adaptive differential characteristics? A system-based testing approach can help you to solve problems with the most complex functions of transformer differential protection systems. Participate in this webinar to learn how to use the system-based approach of RelaySimTest to improve the quality of your transformer differential protection tests.

### Objectives

- > Validate, if your protection system really protects your transformer
- > Testing complex differential protection functions like adaptive characteristics and inrush detection based on current waveform analysis
- > Testing restricted earth fault protection (ground fault differential protection) of transformers

### Content

- > Comparison between element testing and system-based testing
- > Introduction to transformer differential protection testing with RelaySimTest
- > Setting up tests with external and internal faults
- > Simulating current transformer saturation during transformer differential tests
- > Simulating realistic inrush currents to test any kind of inrush detection system
- > Testing the sensitivity of the restricted earth fault protection function

### Solutions

RelaySimTest Software  
CMC Family

### Audience

Technical staff from electric utilities, service companies and manufacturers involved in protection testing

### Prerequisites

No previous course or knowledge of RelaySimTest is required. A basic understanding of transformer differential protection testing is a benefit to maximize your learning experience.