



Introduction to Traveling Wave Protection with RelaySimTest and TWX1



1.5 hours



English



Wprs10en

Advances in protective relay technology have facilitated the widespread use of relays that operate in the time domain for protection and fault location. While traveling wave protection is free of the operating speed and fault location accuracy limitations inherent in traditional phasor-based relay algorithms, commissioning these systems requires new knowledge, new techniques, and new tools. Attend this webinar to learn about traveling wave protection and how to use the system-based approach of RelaySimTest and the TWX1 traveling wave accessory with your CMC for thorough - yet easy – tests of this new technology.

Objectives

- ▶ Understand the basics of traveling wave protection including settings, logic design, and installation of traveling wave protection systems
- ▶ Learn how RelaySimTest software and the TWX1 accessory are used to test traveling wave relays under close to realistic conditions
- ▶ Experience a live demonstration of this type of testing

Content

- ▶ Fundamentals of traveling wave protection
- ▶ Traveling wave protection testing and commissioning requirements and considerations
- ▶ System-based testing approach with RelaySimTest and the TWX1 accessory
- ▶ Laboratory testing demonstration including setup, execution, and analysis of results

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 relay testing is beneficial to maximize your learning experience.