



Protective relay testing and diagnostics



OBJECTIVE

- Learn about the types of tests used in protective relays testing of electrical systems.
- Have a hands-on experience of defining the settings and parameters of the relays and the relevant tests and checks in various units available for training.
- Experiment directly with several relays and communication software for the sequence followed in the case study.



AUDIENCE

Technical staff in charge of testing, operating and maintaining the electrical equipment and protections



CONTENT

Introduction

- Need of maintainance
- Test problems in interruptible processes
- Instrumentation

Measuring transformers

- Voltage/current/combined

Basic concepts on protection relays

- Operation criteria

Test equipments

- Fundamentals
- Evolution of test equipment
- Characteristics, performances and limitations
- Programmable equipment
- Equipment used during the course

Test protocols

- Main characteristics
- Current transformers
- Protection relays

Current transformers test

- Polarity
- Rated primary and secondary voltage
- Excitation curve

Protection relays tests

- Overcurrent
- Transformer differential protections
- High and low voltage
- Motors.
- Directional overcurrent

Conclusions

LIVE ONLINE TRAINING

Duration: 18 hours

More information and registration here:

<https://bit.ly/HitachiGridAcademy>