



WECC System Operator Training Course Power System Protection

This course is taught by Mike Terbrueggen, P.E. of Operations-Training-Solutions (O-T-S). This course is designed for highly experienced operating personnel and is an advanced course.

Power System Protection is sponsored by WECC. Power System Protection is held from Tuesday 8:00 am – Friday 4:00 pm. For details on NERC CE Hours that are awarded for this course please contact O-T-S at mike@o-t-s.com.

Primary Topics include:

- Introduction to Protective Relaying
- Per Unit & Percent Values
- Phasors & Polarity
- Symmetrical Components
- Protective Relay Input Sources
- Basic Protection Design Principles
- Grounding Principles
- Generator Protection
- Transformer, Reactor & Capacitor Protection
- Substation Bus Protection
- Transmission Line Protection
- Transmission Line Pilot Wire Protection
- Stability, Reclosing, Load Shedding and Trip Circuit Design
- Microprocessor Relay Applications
- NERC Protection Standards