

Protection Subgroup Outline Topics

1. Introduction
 - a. Definition of interconnection/do not interconnect
 - i. A line or bus that interconnects to an existing facility
2. Protection requirements for facilities that interconnect to existing incumbent TO
 - a. Line protection
 - i. Pilot protection
 - ii. Direct transfer trip
 - b. Bus protection
 - c. Line reclosing
 - d. communication
3. Protection requirements for facilities that do not interconnect to existing incumbent TO
 - a. Bus protection
 - b. Xfmr protection
 - c. Generator protection
 - d. Breaker failure
 - e. Shunt reactor/shunt capacitor protection
 - f. Line protection
 - i. Pilot protection
 - ii. Direct transfer trip
 - g. Alarming
 - h. communication
4. Commissioning
5. SCADA
6. Disturbance monitoring equipment

7. Equipment requirements (CTs etc)
8. Security (CIP)
9. HVDC (as it relates to DC transmission)
10. Non-traditional protection schemes
11. 69 kV and above