

## 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