

Protection System Definition

Current Approved Definition:

Protective relays, associated communication systems, voltage and current sensing devices, station batteries and DC control circuitry.

The drafting team initially proposed changes to the definition as shown below:

Protective relays, associated communication systems necessary for correct operation of protective devices, voltage and current sensing inputs to protective relays devices, station DC supply batteries, and DC control circuitry from the station DC supply through the trip coil(s) of the circuit breakers or other interrupting devices.

Based on stakeholder comments, the drafting team made minor changes to the proposed definition as shown below.

Protective relays, ~~associated~~ communication systems necessary for correct operation of protective ~~devices~~ functions, voltage and current sensing inputs to protective relays and associated circuitry from the voltage and current sensing devices, station dc supply, and ~~DC~~ control circuitry associated with protective functions from the station dc supply through the trip coil(s) of the circuit breakers or other interrupting devices.

The proposed definition of Protection System reads as follows:

Protective relays which respond to electrical quantities, communication systems necessary for correct operation of protective functions, voltage and current sensing devices providing inputs to protective relays ~~and associated circuitry from the voltage and current sensing devices~~, station dc supply, and control circuitry associated with protective functions ~~from the station dc supply~~ through the trip coil(s) of the circuit breakers or other interrupting devices.

The new proposed definition of Protection System reads as follows:

Protection System:

- Protective relays which respond to electrical quantities,
- Communications systems necessary for correct operation of protective functions,
- Voltage and current sensing devices providing inputs to protective relays,
- Station dc supply, and
- Control circuitry associated with protective functions through the trip coil(s) of the circuit breakers or other interrupting devices.