

DER Ride Through: Issue Charge and Problem Statement

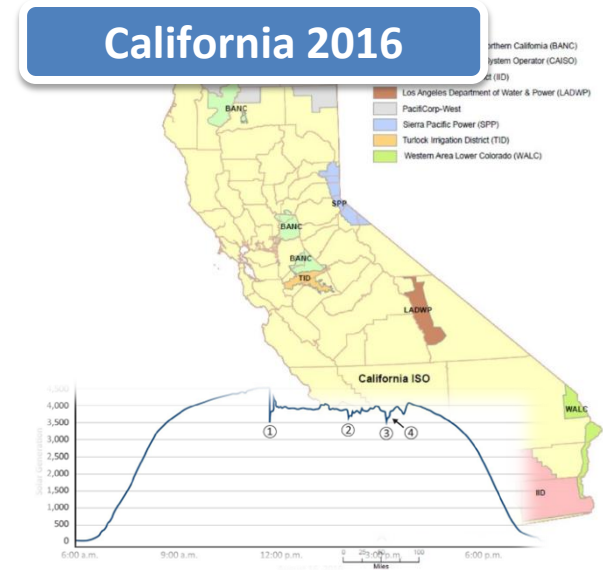
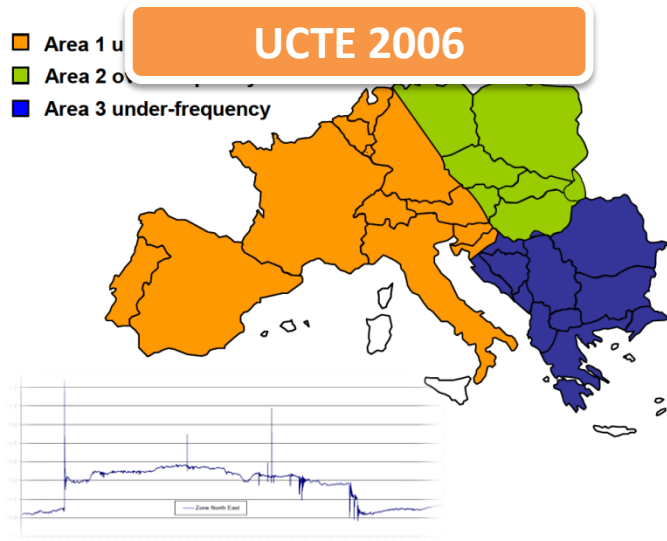
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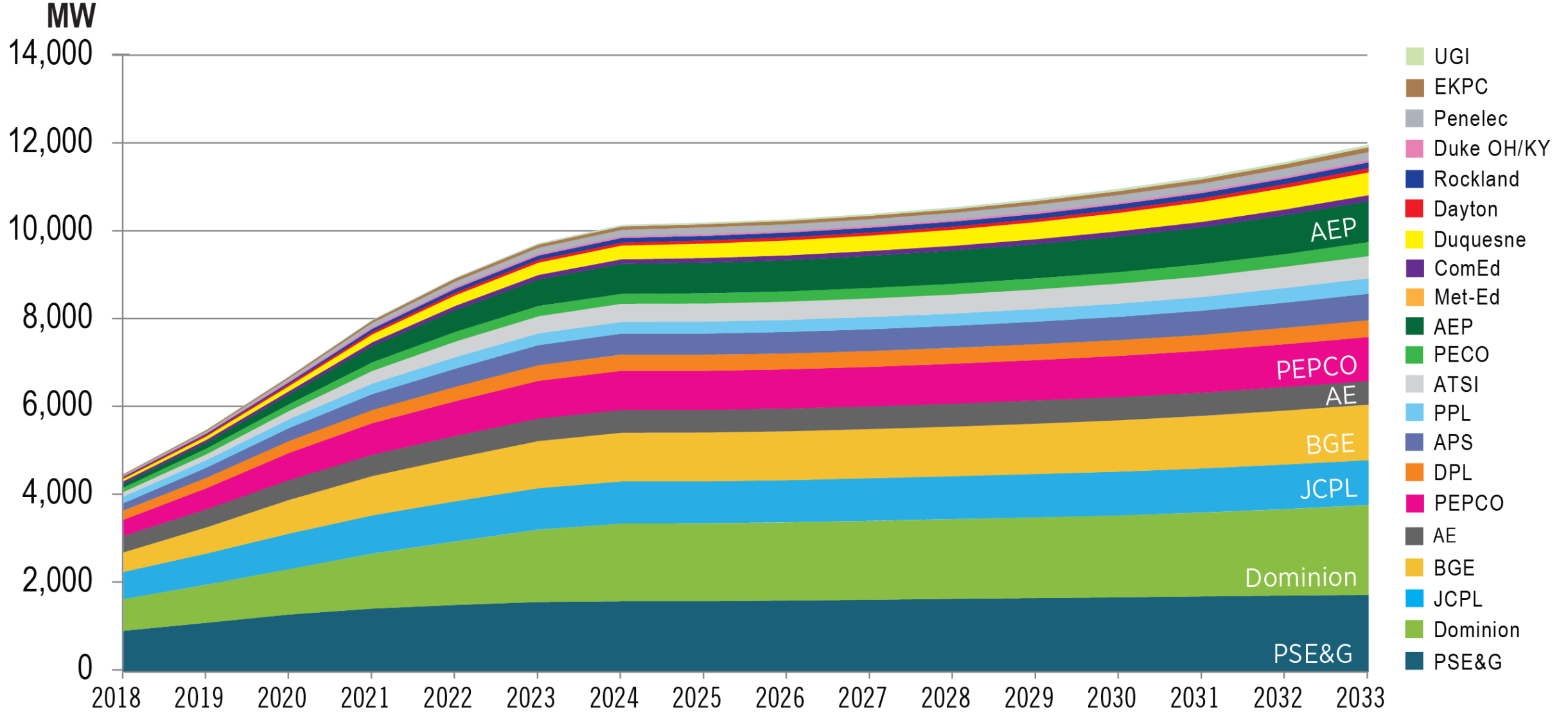
Planning Committee
October 11, 2018

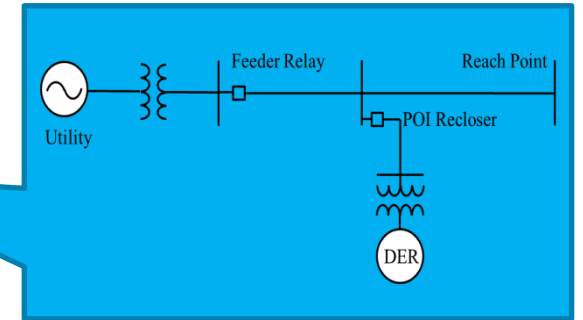
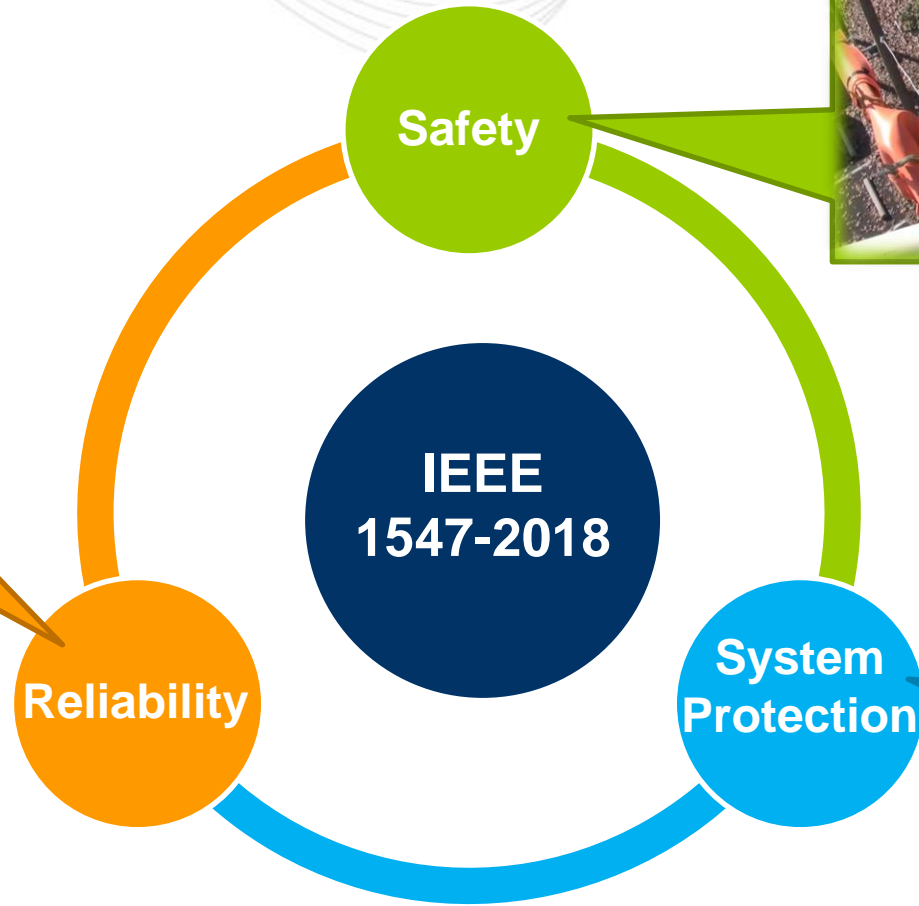
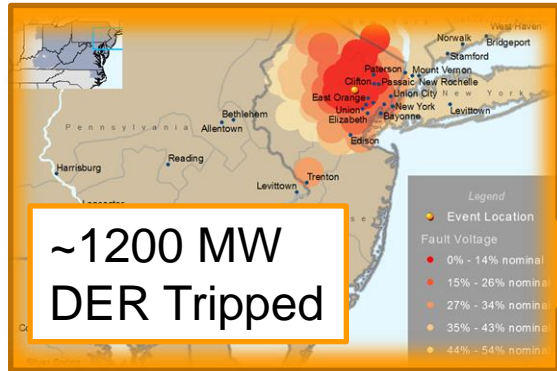
Ride-Through

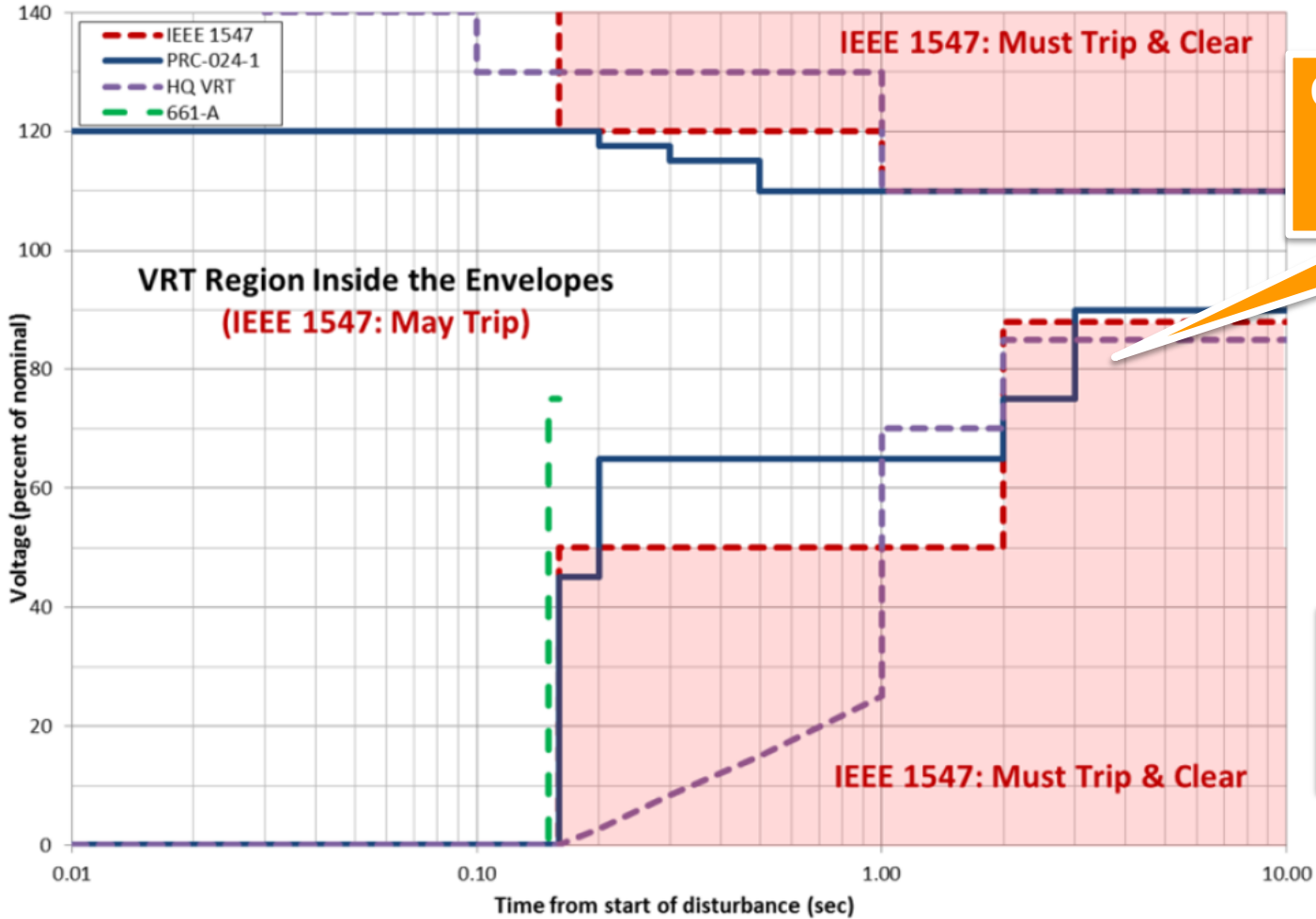
Reconnection
(Uncontrolled)

Momentary
Cessation

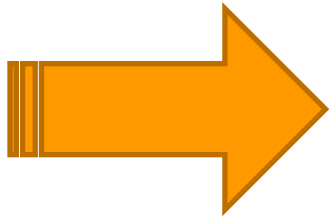








Old IEEE 1547 "Shall Trip" Conflicts with PRC-024

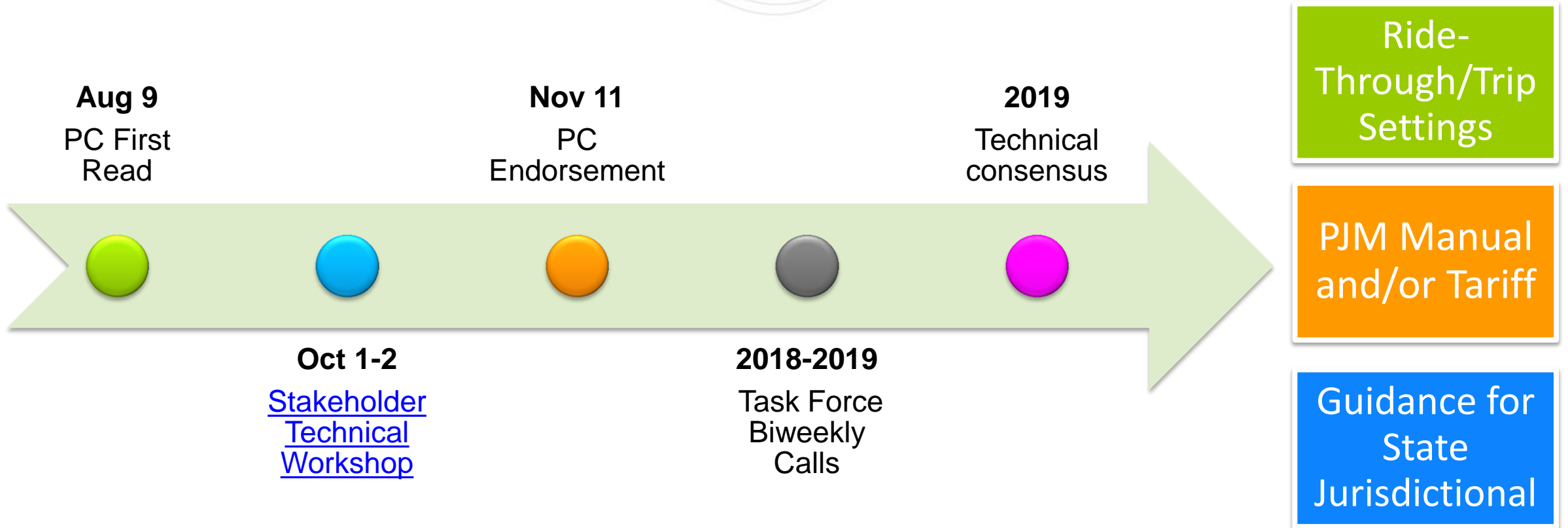


IEEE 1547-2018
Standard for DER Interconnection

New 1547-2018 Requires "Ride Through"

Considers both synchronous and inverter-based DER

PJM Stakeholder Effort for DER Ride Through



Summary of Issue Charge Amendments

**DER (Technology Agnostic)
Radial < 50 kV**

Not Retroactive

Deliverables

**VOTE
Settings**

**NO VOTE
Guidance for
States**

**Emphasis on
Technical Aspect
& Safety**

**Minimize
Number of Ride-
Through/Trip
Settings**

- PJM-wide consensus across T+D on preferred IEEE 1547-2018 Ride-Through/Trip Settings for DER (e.g., Category II with specified trip adjustments and addition of momentary cessation).
 - More than one Ride-Through/Trip Setting may be needed: e.g., a Category I and a Category II
- Deliverables:
 - 1) Ride-Through/Trip Settings.
 - 2) Proposed PJM manual language changes or other applicable PJM governing documents, if needed.
 - 3) A guide (best practices) for state/local regulators.

- Ride-Through capability and trip parameters only.
 - Not voltage regulation or communications, etc.
- PJM discussion is all DER
- Not retroactive.
- Connected to radial distribution < 50 kV
 - Not connected to BPS or meshed sub-transmission.