Wholesale DER: Operational Capability Requirements

DER Subcommittee
October 4, 2018
Wholesale DER:
Generation or electric energy storage resources connected at distribution voltages and/or connected behind a load meter, and participating in PJM’s capacity, energy, or ancillary service markets.

~90-95% of W-DER

**FERC Jurisdictional Interconnection**
Distribution Connected, Dual-Use Facilities
Operational capabilities governed by ISA;
Enabled at discretion of distribution owner

**State/Local Jurisdictional Interconnection**
Distribution Connected
Operational capabilities governed by state/local interconnection agreement
Enabling Operational Capabilities for DER

Prioritization for PJM and Bulk Electric System

1. Voltage and Frequency Ride Through
2. Primary Frequency Response
3. Reactive Power Support
4. Other
Proposed approach for addressing the issue

- Determine appropriate capability for each item, one at a time
  - Engineering specifications
- Start with voltage and frequency ride through
  - Ride Through Task Force (pending endorsement at Planning Committee)
- In addition to determining the appropriate capability, address how to ensure the capability is enabled whether the wholesale DER is party to an ISA or WMPA.