

**October 1 at 12:00 p.m. – October 2 at 3:00 p.m.**  
**PJM Conference and Technology Center**  
**2750 Monroe Boulevard, Audubon, PA 19403**

**Meeting rules:** PJM Manual 34 (press will announce if present)  
**Facilitator:** Andrew Levitt, PJM Interconnection  
**Dress:** Business casual

**Scope:** IEEE 1547-2018 options for ride through capability & trip settings for inverter-based DER on radial distribution.

**Objectives:** Understand the IEEE 1547-2018 Category II and Category III requirements for performance during abnormal frequency and voltage conditions. Identify relevant technical considerations and interests across transmission and distribution, and where they are or are not aligned. Build foundation for PJM Consensus Based Issue Resolution process, including follow-up education, documenting interests, identifying solution design components and building solution packages.

### AGENDA

#### Day 1

Noon – 1:00 p.m.	<b>Lunch</b>	
<b>1:00 – 5:00 p.m.</b>	<b>Opening plenary: Background and education</b>	
1:00 – 1:15 p.m.	Scope and objective of the workshop	Andrew Levitt, <i>PJM</i>
1:15 – 1:30 p.m.	Aggregate impacts of DER on bulk system performance	Emanuel Bernabeu, <i>PJM</i>
1:30 – 1:45 p.m.	Distribution considerations for tripping and riding through	Mamadou Diong, <i>Dominion</i>
1:45 – 2:15 p.m.	Distribution hot-work line worker safety & arc-flash considerations	Jonathan Deverick, <i>Dominion</i>
2:15 – 2:30 p.m.	Discussion	Andrew Levitt, <i>PJM</i>
2:30 – 2:50 p.m.	<i>Break</i>	
2:50 – 4:15 p.m.	<b>EPRI crash course on IEEE 1547-2018:</b> Defining operating modes, behavior on return to normal conditions, DER trip and ride through requirements, ranges of allowable settings (clearing time, voltage, frequency).	Jens Boemer, <i>EPRI</i> Reigh Walling, <i>EPRI consultant</i>
4:15 – 4:30 p.m.	<b>IEEE 1547-2018 implementation timeline.</b> PJM timeline, state activities in PJM and elsewhere.	Andrew Levitt, <i>PJM</i>
4:30 – 5:00 p.m.	<b>The experience in Massachusetts and ISO New England</b>	Dave Forrest, <i>EPRI consultant</i>

#### Day 2

8:00 – 8:30 a.m.	<b>Breakfast</b>	
8:30 – 9:00 a.m.	<b>Plenary:</b> Recapping Day 1 and kicking off breakout sessions by discussing ground rules, expectations, and breakout group assignments.	Andrew Levitt, <i>PJM</i>
9:00 a.m. – noon	<b>Facilitated Break-outs:</b> Group to break into pre-determined teams of ~10 people, with a mix of transmission and distribution engineers as well as different utilities and stakeholder groups. Each team will have a pre-determine facilitator to manage breakout discussion. The task of each team will be to review each parameter in the “strawman” (IEEE 1547-2018 Cat II with adjustments), document findings and possible edits, and produce a list of follow up validation tasks.	
Noon – 1:00 p.m.	<b>Lunch</b>	(Break-out facilitators to have working lunch separately)
1:00 – 2:30 p.m.	<b>Reconvene in Plenary:</b> Reconcile group edits to strawman and compiled pros and cons. Debate list of concerns. Compile validation or due diligence tasks.	Andrew Levitt, <i>PJM</i>
2:30 – 3:00 p.m.	<b>Briefing: PJM Consensus Based Issue Resolution process.</b>	Scott Baker, <i>PJM</i>