

Meeting Notes

Project 2020-02 Modifications to PRC-024 (Generator Ride-through) Drafting Team

August 7, 2023 | 11:00 a.m. - 1:00 p.m. Eastern

Conference Call with Web Access

Administrative

1. **Review NERC Antitrust Compliance Guidelines and Public Announcement**
2. **Determination of Quorum**

The rule for NERC Standard Drafting Team (SDT) states that a quorum requires two-thirds of the voting members of the SDT to be physically present.

Quorum was not met. See table below for meeting attendance.

3. **Introductions and Chair's Remarks**

Agenda Items

1. **Continue Review of IEEE 2800-2022**
2. **Develop Draft**
 - a. IBR performance-based; PRC-029 draft.
 - b. Review any sub-group assignments.
3. **Discuss Next Steps and Timeline**
4. **Adjourn**

J. Calderon initiated the meeting and reviewed the NERC Antitrust Guidelines and Participant Policy.

H. Al-Hadidi reviewed IEEE Standard 2800-2022 with the SDT to identify consensus points regarding IBR performance expectations that would be set within the new PRC-029. Points agreed to were:

- Use of point of interconnection rather than point of measurement (reference Figure 1)¹.
- Ride-through requirements will be applicable only when inside acceptable operation limits (reference 7.2.2.1).
 - May trip when outside these limits does not mean must trip.
- SDT can set performance criteria for “mandatory operation”, such as:

¹ IEEE 2800-2022 used for references indicated inside the parenthesis.

- IBR must trip when at least X% of pre-disturbance voltage at the POI and return to at least Y% of pre-disturbance apparent current/power following a voltage disturbance.
- Exceptions will need to be clear on technical exemptions.
 - Synchronous condensers, STATCOMs, etc. discussed as unable to ride-through.
 - Action item for volunteer to review Tables 11 and 12 (from IEEE 2800-2022) and the current PRC-024 to identify overlap and discrepancies. The SDT would like to retain the same information from these tables.
- More specific performance criteria for “mandatory operation” could also be determined by the Transmission Planner. Additionally they could identify which of the “tables” would apply to which generator plants.
 - Assure language for defining acceptable modes of control during normal operation and through a disturbance aligns with expectations on performance.
- The SDT will continue to review the IEEE Standard and identify items from the new Standard for mapping references.

Attendance				
Name	Company	Member/ Observer	Straw Vote (X)	Conference Call/Web (Y/N)
Xiaoyu (Shawn) Wang	Enel North America	Chair		Y
Husam Al-Hadidi	Manitoba Hydro	Vice Chair		Y
Joel Anthes	Pacific gas and electric	Member		Y
Johnny Carlisle	Southern Company	Member		Y
Rajat Majumder	Ørsted North America	Member		Y
Robert O’Keefe	AEP	Member		N
Alex Pollock	AMSC	Member		N
Ebrahim Rahimi	California ISO	Member		N
Fabio Rodriguez	Duke Energy Florida	Member		Y
Kenneth Silver	Avantus	Member		Y
Ovidiu Vasilachi	IESO Independent Electricity System Operator (IESO)	Member		N

Attendance				
Name	Company	Member/ Observer	Straw Vote (X)	Conference Call/Web (Y/N)
John Zong	Electric Power Engineers	Member		N
Jamie Calderon	NERC	Developer		Y
Sarah Crawford	NERC	Observer		N
Ryan Mauldin	NERC	Observer		N
Al McMeekin	NERC	Observer		N
Lauren Perotti	NERC	Observer		N
Aung Thant	NERC	Observer		N
Pamela Hunter	PMOS	Observer		N
Anthony Westenkirchner	PMOS	Observer		N