

Meeting Notes

Project 2020-06 Verifications of Models and Data for Generators Drafting Team

January 12, 2024 | 12:00 - 3:00 p.m. Eastern

Introduction and Chair's Remarks

[NERC Antitrust Compliance Guidelines](#) and [Public Announcement*](#)
[NERC Participant Conduct Policy](#)

Administrative

1. Review NERC Antitrust Compliance Guidelines and Public Announcement

2. Safety Instructions – N/A

3. Determination of Quorum

The rule for NERC standard drafting team (SDT) states that a quorum requires two-thirds of the voting members be physically present. Quorum was not achieved. See the attendance list provided below.

4. Introductions and Chair's Remarks

Brad M., chair, thanked all members for their continued effort and progress, and for all those attending and observing.

5. Review Meeting Agenda and Objectives

Agenda Items

IBR Definitions Initial Ballot & Formal Comment – Overall themes from the IBR Definitions formal comment period include:

Inverter-Based Resource (IBR)

1. Concern with identifying a specific types or list of IBRs (PV, Type 3 & Type 4 Wind, BESS, fuel cells).
2. Recommend removing the parenthetical narrative "(transmission, sub-transmission, and distribution system). The phrase "electric power system" is synonymous with (transmission, sub-transmission, or distribution system).
3. The definition potentially expands NERC jurisdiction into the distribution system, due to the parenthetical (transmission, sub-transmission, distribution).
4. Applicability of IBR for NERC Standards should be defined in the IBR definition. Emphasis on explicitly including the Bulk Electric System (BES) or BPS in the IBR definition. To prevent regulatory misinterpretations and conflicts in standards.
5. Ask to further clarification on "electric power system"

6. Specify what devices are included in the IBR (plant/facility). Add full description of what is included in the IBR.
7. Removal of BESS from IBR type.
8. Remove battery, from BESS, so it reads “energy storage systems (e.g. BESS and fuel cells)”

IBR Unit:

1. Provide examples of how multiple devices can be (are) an IBR unit.
2. Distinguish between a “generating unit” and “IBR Unit”
3. Add Reactive Power language. Absence of provisions for Reactive Power capabilities required for Bulk Power System (BPS) reliability.
4. Suggested rewording for collector system phrase. Need more clarity on "that connect together at a single point on the collector system". Rephrase to "that connect together at the collector substation"
5. See IBR comment #1. Add IBR examples/list to IBR Unit definition.
6. There should not be two separate definitions. IBR should be defined to address the resource itself. (MRO Group)
7. Desire to add an additional defined term IBR Device
8. Does the IBR Unit definition include the unit transformer?
9. Inverter and converter definitions should be included in the IBR Unit definition, and not separate in Technical Rationale.
10. Use the IBR unit definition from IEEE 2800, verbatim

Next Steps

1. Resend Webinar, emphasize the TR
2. DT timeline (Chris with Brad)
3. Potential waiver for posting duration (Chris)
4. Availability from sub-team
5. Availability from full DT
6. Sub-team Revisions meeting 1 and 2 (1.5 hour meetings)
7. Definitions (Lead for each), Technical Rationale (Brad; Jason review), Consideration of Comments (Q1 – Rob; and Q2 – Wes)
8. Full DT Meeting
9. Workshop: One Day with Electric feedback/polling (in-person, hybrid)
10. Outreach

11. Legal and admin review

12. Additional posting: date TBD

The meeting adjourned 3:00 p.m. Eastern.

Attendance		
Name	Company	Conference Call (Y/N)
Brad Marszalkowski (CHAIR)	ISO-New England	Y
Katie Iverson (VICE-CHAIR)	S Power (AES Corporation)	N
Jonathan Rose	ERCOT	N
William Casey Harman	Puget Sound Energy	N
Ebrahim Rahimi	California ISO	N
Jason MacDowell	GE Energy Consulting	Y
Sam Li	BC Hydro	Y
Wes Baker	EPRI	Y
Michael (Bing) Xia	Powertech Labs	Y
Jerry L Thompson	Kestrel Power Engineering	N
Robert J. O’Keefe	American Electric Power	Y
Andrew Arana	Florida Power & Light	N