

Meeting Notes

Project 2023-02 Analysis and Mitigation of BES Inverter-Based Resource Performance Issues Drafting Team

July 16, 2024 | 9:00 a.m. – 5:00 p.m. Eastern
July 17, 2024 | 9:00 a.m. – 5:00 p.m. Eastern
July 18, 2024 | 11:00 a.m. – 5:00 p.m. Eastern

Hybrid Meeting
Duke Energy
Charlotte, NC

Administrative

1. Introductions

The meeting was brought to order by J. Blume at 9:00 a.m. Eastern on Wednesday, July 16, 2024 and Thursday July 18, 2024.

2. Determination of Quorum

The rule for NERC Drafting Team (DT) states that a quorum requires two-thirds of the voting members of the DT. J. Blume completed roll call, the attendance list is in Attachment 1 of the meeting notes. Quorum was achieved as 11 of total members were present for July 16, 2024, 10 members on July 17, 2024, and 10 were present for July 18, 2024.

3. NERC Antitrust Compliance Guidelines and Public Announcement

NERC Antitrust Compliance Guidelines and public announcement were reviewed by J. Blume. There were no questions raised.

4. Roster Updates

The team reviewed the team roster and confirmed that it was accurate and up to date.

Agenda

1. Review Meeting Agenda and Objectives

2. Discussion

July 16, 2024:

The DT started the meeting by focusing on Requirement R1. The team discussed the assigned comments and what the industry specifically requested. After the review, the team addressed the

major requests: reasoning behind the time interval thresholds, adding frequency modulation as an exception, and determining if BA, RC, and TOP should be applicable entities in Requirements R3 and R4. The DT decided not to extend the threshold levels, as this would capture more occurrences, and provided reasoning in the technical rationale (TR). The team then discussed including frequency response as an exception in Requirement R1. Members proposed language for this inclusion, but it was later removed due to varying interpretations of the type of frequency used.

The third topic was ensuring the correct entities were referenced in Requirements R3 and R4. The DT believed BA, RC, and TOP could be removed, but ISO/RTO members argued against this change, emphasizing the necessity of these entities for Requirement R3. The DT agreed to keep Requirement R4 unchanged, applying only to RC. After a discussion and vote, the team decided no changes would be made moving forward, and the meeting concluded at 4:50 p.m. EST.

July 17, 2024:

The DT reconvened the next day for the final day of in-person drafting. The team began by discussing Requirements R3 and R4, but no further discussions occurred, so they moved on to comments about Requirement R1. Discussions continued until the break.

After the break, the DT focused on making Requirement R2 more direct by removing any passive voice. Following these discussions, the team split into subgroups to draft responses to comments and reconvened to address any missed points. The DT discussed replacing "active power" with the NERC-defined term "Real Power," and the team accepted this change. The meeting concluded at 4:30 p.m. EST.

July 18, 2024:

The DT reconvened for the final day of in-person drafting. They started with a small presentation and Q&A session with all three major trade commenters regarding the new changes in the PRC-030-1 draft. The discussions provided insightful information, leading to minor wording changes in the standard. The team then split into subgroups to wrap up comments until lunch.

After lunch, the DT discussed a new method for thresholds in Requirement R1 but decided against it. They then moved on to the Implementation Plan and Technical Rationale, assigning sections to team members. The meeting concluded at 4:15 p.m. EST at Duke Energy headquarters.

3. Future meeting(s)

a. TBD

4. Adjourn

The meetings adjourned at 4:45 p.m. Eastern.

Attachment 1 Attendance					
	Name	Company	July 16, 2024 Conference call (Y/N)	July 17, 2024 Conference call (Y/N)	July 18, 2024 Conference call (Y/N)
Chair	Mark Gutzmann	Xcel Energy	Y	Y	Y
Vice Chair	Biju Gopi	CAISO	N	N	N
Members	Andy Hoke	NREL	Y	N	N
	Chester Li	Hydro One	Y	Y	Y
	Patrick Gravois	ERCOT	Y	Y	Y
	Patrick Dalton	MISO	Y	Y	Y
	Mohamed ElNozahy	Independent Electricity System Operator of Ontario (IESO)	Y	Y	Y
	Emily Greene	Electric Power Engineers	Y	Y	Y
	Anuradha Kariyawasam	Electranix Corporation	N	N	N
	David Marshall	Southern Company Services	Y	Y	Y

	Anthony Williams	Duke Energy	Y	Y	Y
	Li Yu	HECO	Y	Y	Y
	Dan Waugh	NextERA	Y	Y	Y