

Meeting Notes

Project 2016-04 Modifications to PRC-025-1

March 2, 9, and 16, 2017

Conference Calls

Administrative

1. Introductions

The meeting was brought to order by the chair, C. Turner, at 2:05 p.m. Eastern on Thursday, March 2, 2017. C. Turner provided the team with introductory remarks. Participants were introduced and those in attendance were:

Name	Company	Member/ Observer	In Attendance (Y/N)		
			3/2	3/9	3/16
Carl J. Turner	Florida Municipal Power Agency	Chair	Y	Y	Y
John Schmall	Electric Reliability Council of Texas, Inc.	Vice Chair	Y	Y	Y
Juan Alvarez	Caithness Energy	Member	Y	N	Y
S. Bryan Burch, P.E.	Southern Company	Member	Y	Y	Y
Walter Campbell	NextEra Energy Resources, LLC	Member	Y	Y	N
Jason Espinosa	Seminole Electric Cooperative, Inc.	Member	Y	Y	Y
Mike Jensen	Pacific Gas and Electric Company	Member	Y	Y	N
Charles Yeung	Southwest Power Pool, Inc.	Observer	Y	Y	Y
Scott Barfield-McGinnis, Senior Standards Developer	North American Electric Reliability Corporation	NERC Staff	Y	Y	Y

Name	Company	Member/ Observer	In Attendance (Y/N)		
			3/2	3/9	3/16
Soo Jin Kim	North American Electric Reliability Corporation	NERC Staff	N	Y	N
Lauren Perotti, Counsel	North American Electric Reliability Corporation	NERC Staff	N	Y	N
Syed Ahmad	Federal Energy Regulatory Commission	Observer	Y	Y	Y
Marilyne Alarie	Hydro-Québec TransÉnergie	Observer	N	N	Y
Ben Davis	Vestas	Observer	N	Y	Y
Steven Hataway	NextEra Energy	Observer	Y	N	N
Edwin Orta	NextEra Energy	Observer	Y	N	N
David Marrero	NextEra Energy	Observer	Y	N	N
Maysam Radvar		Observer	N	N	Y
Masoud Sharifi	Siemens Wind	Observer	Y	Y	N
Chuck Woods	MidAmerican Energy	Observer	N	Y	Y
Jackeline?		Observer	Y	N	N

2. Determination of Quorum

The rule for NERC Standard Drafting Team (SDT or team) states that a quorum requires two-thirds of the voting members of the SDT. Quorum was achieved as all of the members were present for all three conference calls.

3. NERC Antitrust Compliance Guidelines and Public Announcement

NERC Antitrust Compliance Guidelines and public announcement were read by S. Barfield-McGinnis. There were no questions raised.

4. Roster updates

The team did not review the team roster as no changes are occurred.

Notes

1. Review of meeting notes from February 6, 13, and 16, 2017

The team reviewed the meeting notes for the three calls and there were no corrections.

2. Finalize documents (March 2, 2017)

a. Consolidated the following issues:

- Guidelines and Technical Basis
 - Language about feeders. Guideline comment or BES guidance..? How to add clarity to the feeder question in the comments. The 75MVA aggregation does not apply to the feeder according to the BES definition.
 - CB103 relay is not clearly addressed in PRC-025-1, Figure 1 that it is applicable to the standard. It is clearly not in the purview of PRC-023.
 - Asynchronous/Synchronous clarity about wind machines that do not have an exciter.
 - Separating the “or” items into their own separate Options in Table 1
 - Inverter-based resources:
 - Equipment limitation issues (e.g., AC side of inverter breaker). See PRC-024 for limitation language.
 - 51 element in low voltage application, Load responsive elements that do not use IEEE/ANSI device numbers
 - Standard flexibility
 - The term “Pickup Setting” is problematic because it does not address the application of load encroachment / blinders / lenticular characteristics / etc. would be acceptable IF the characteristic used restrains operation for any condition described within the standard. The phrase should be more in-line with “not trip,” which is the intent of the standard.
 - Consider clarifying that any case where a unit may be capable of producing more than the output reported to the Transmission Planner may be used to determine appropriate settings.
 - Kestrel comments via email recommended the exclusion of Exception No. 6.
- b. M. Sharifi pointed out that low voltage circuit breakers normally come with a modern electronic trip unit and without the ANSI device numbering of 49, 50 or 51, but with functions like L, S, and I, where the S can be understood as ANSI #51 and I as #50. He further noted that requiring such a setting as currently written in PRC-025-1 would require a circuit breaker change in the dispersed power producing resources. In many cases, the next size up, if available, would not fit in the resource.

3. Finalize documents (March 9, 2017)

- a. The team addressed team member review questions on the response to comments. S. Kim advised against using the word “applicability” when referring to changes in the Guidelines and Technical Basis. The team changed the word to “methodology.”
- b. B. Burch revisited the issue with the dispersed power producing resources “feeder” clarity. The team reviewed the illustrations in the BES Definition Reference document. This document noted that the feeders were not a consideration in the BES determination and also noted that feeder elements are not BES. The team concluded that the standard sufficiently describes the aggregation of dispersed power producing resources in the Applicability section 3.2.5 and the Facilities section 3.2 clearly encompasses feeders by making the resource the trigger for inclusion (under I4 of the BES definition).
- c. The team considered the suggestion of eliminating Exclusion 6 that was submitted to NERC by Jerry Thompson of Kestrel Engineering. The team acknowledged the exclusion may not be necessary; however, provided an exclusion for a specific case.
- d. The team was satisfied with their responses to industry comments and reviewed the SAR revisions. Any comment responses noting SAR revisions were reviewed to ensure inclusion in the SAR.

4. Finalize documents (March 16, 2016)

The team reviewed the SAR, Comment Report, and Informal Comment Form for posting. A couple of revisions were made to improve clarity in the SAR and the responses to comments.

5. Next steps

S. Barfield-McGinnis outlined the potential steps to getting the SAR reposted for additional comment.

6. Future meeting(s)

To be determined by a poll of the SAR drafting team members.

7. Adjourn

Meeting adjourned at 3:30 p.m. Eastern on Thursday, March 16, 2017.