

Meeting Notes

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

November 13, 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. Finalize Questions for Informal Comments and technical rationale

2. Review Current Timeline

3. Review Sub-team Assignments for Draft

4. Discuss Next Steps, Timeline, and Future Meetings

5. Adjourn

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

J. Calderon discussed using the extranet and consistent usage of that tool for future draft revisions.

The team continued discussing R13 and if voltage phase angle changes (shifts/jumps) should be measured on the poi voltage and have language modified to "be at least 25". The technical rationale could be used to clarify how the team came to this value based on usage of existing technical work and engineering judgment. There were some questions on how compliance will be measured effectively and how phase angle changes will be assessed in relation to only ride-through. The team will consider this during the drafting of each requirement's measure. J. Calderon elaborated on the ability for NERC compliance staff to provide feedback during that development to assist in reasonability and assuring intent.

There were some questions and concerns from observers on non-fault line switching and if fault conditions were adequately covered within the current draft. The team discussed the potential compliance complications and that the components covered under R13 were additional performance based ride through conditions and that other requirements were sufficiently addressing voltage and frequency ride-through performance during fault/disturbances.

J. Calderon discussed leveraging NERC technical experts to provide additional feedback on the technical rationale for the need for R13 and how voltage and frequency ride-through protections were effectively addressed in full. NERC compliance staff should also be leveraged to provide supporting information or feedback on drafted compliance measures. There were some expressed concerns from team members on potential unintended compliance impacts for GOs on individual inverter performance (such as their ability to individually trip) and how data will be measured for performance. The team is encouraged to work with NERC compliance early on to ensure requirements and compliance measures do not introduce those unintended compliance impacts.

The team worked on the current draft language by accepting changes and noting any team issues to address at the next meeting in hopes quorum is established. The team will use email voting as needed for timeliness.

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		N
Johnny Carlisle	Southern Company	Member		Y
Rajat Majumder	Ørsted North America	Member		Y
Robert O’Keefe	AEP	Member		Y
Alex Pollock	AMSC	Member		N
Ebrahim Rahimi	California ISO	Member		Y
Fabio Rodriguez	Duke Energy Florida	Member		N
Ovidiu Vasilachi	IESO Independent Electricity System Operator (IESO)	Member		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

Attendance				
Name	Company	Member/ Observer	Straw Vote (X)	Conference Call/Web (Y/N)
Lauren Perotti	NERC	Observer		Y
Aung Thant	NERC	Observer		N
Pamela Hunter	PMOS	Observer		N
Anthony Westenkirchner	PMOS	Observer		N

Sub-team Assignments		
Names	Assignment	Date Assigned
	None at this time	

Upcoming Meetings			
Meeting Date/Time	Link	Meeting Number/ Access Code	Password
November 15, 2023 3:00 – 5:00 p.m. Eastern	Join Webex	2305 197 9973	Reliability
November 20, 2023 11:00 a.m. – 1:00 p.m. Eastern	Join Webex	2310 561 7365	Reliability
November 27, 2023 11:00 a.m. – 1:00 p.m. Eastern	Join Webex	2306 980 1914	Reliability
November 29, 2023 3:00 – 5:00 p.m. Eastern	Join Webex	2315 862 1560	Reliability
December 4, 2023 11:00 a.m. – 1:00 p.m. Eastern	Join Webex	2314 138 1032	Reliability
December 6, 2023 3:00 – 5:00 p.m. Eastern	Join Webex	2327 053 4557	Reliability
December 11, 2023 11:00 a.m. – 1:00 p.m. Eastern	Join Webex	2324 540 9179	Reliability
December 18, 2023 11:00 a.m. – 1:00 p.m. Eastern	Join Webex	2328 256 3719	Reliability