

## Meeting Notes

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

November 6, 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 met. See table below for meeting attendance.

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

### Agenda Items

#### 1. Review Questions for Informal Comments

#### 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 reviewed the timeline and the team decided more draft work was required prior to finalizing the questions for the informal comment period.

The team discussed differences that are identifiable between the no-trip curves in IEEE 2800-2022 and PRC-024. The team wants to ensure that we are not introducing less stringent ride-through requirements by only adhering to one of these "curves".

The team debated if proposed R11 was appropriate for this standard as we may or may not need to establish ride-through performance expectations. R10 was discussed and there were questions from observers regarding FACTS devices and there was a request from others on the call to clarify what devices were intended to be included. J. Calderon clarified the currently proposed 2020-06 definitions do not

include other reactive devices. While the 2020-06 team has these definitions out for initial ballot, there is no desire to see another team initiate parallel definition work until the 2020-06 ballot has been completed. There may or may not need to be a separate effort to develop additional definitions but those would need to be delayed until currently proposed definitions are known.

H. Al-Hadidi reviewed a proposed table with performance requirements for various frequency measures. There were no additional comments or concerns from the team on this.

J. Calderon reminded the team about acceptable usage of external documents, such as IEEE 2800-2022. While the drafting may consider these other documents and technical works during the development process, the NERC Standards are not able to rely on them. The team may leverage the information to support/substantiate decisions made but nothing further. It is highly encouraged to use NERC Reliability Guidelines and other NERC produced documentation to support the technical rationales for this project.

Additional questions and discussions regarded proposed values of criteria for positive sequence phase-angled degrees. This was an extension of discussion had previously. Currently proposed is at least 25 electrical degrees and is consistent with the curves developed within the IEEE 2800-2022 standard. Other NERC documented guideline recommendations show different values. The team will look to revise R13 regarding what value is used as well as adjust for the latest proposed definitions for IBR technologies from project 2020-06.

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		N
Robert O’Keefe	AEP	Member		Y
Alex Pollock	AMSC	Member		Y
Ebrahim Rahimi	California ISO	Member		Y
Fabio Rodriguez	Duke Energy Florida	Member		Y

<b>Attendance</b>				
<b>Name</b>	<b>Company</b>	<b>Member/ Observer</b>	<b>Straw Vote (X)</b>	<b>Conference Call/Web (Y/N)</b>
Ovidiu Vasilachi	IESO Independent Electricity System Operator (IESO)	Member		N
John Zong	Electric Power Engineers	Member		Y
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

Sub-team Assignments		
Names	Assignment	Date Assigned
<b>Group 1</b> Shawn Wang, Fabio Rodriguez, Ebrahim Rahimi, Ovidiu Vasilachi	-	-
<b>Group 2</b> Husam Al-Hadidi, Alex Pollock, John Carlisle, Robert O’Keefe	Beginning drafting on frequency ride-through.	10/16/23
<b>Group 3</b> Rajat Majumder, John Zong, Joel Anthes	-	-
<b>Donna Oikarinen</b> , Boris Voynik	Draft comments and discussed concerns regarding measurements at the IBR terminals.	10/16/23
<b>Robert O’Keefe</b>	Informal Question #1 supporting language/context	10/16/23

Upcoming Meetings			
Meeting Date/Time	Link	Meeting Number/ Access Code	Password
November 13, 2023 11:00 a.m. – 1:00 p.m. Eastern	<a href="#">Join Webex</a>	2305 839 7116	Reliability
November 20, 2023 11:00 a.m. – 1:00 p.m. Eastern	<a href="#">Join Webex</a>	2310 561 7365	Reliability
November 27, 2023 11:00 a.m. – 1:00 p.m. Eastern	<a href="#">Join Webex</a>	2306 980 1914	Reliability
November 30, 2023 11:00 a.m. – 1:00 p.m. Eastern	<a href="#">Join Webex</a>	2314 138 1032	Reliability