

## Meeting Notes

# Project 2019-04 Modifications to PRC-005

April 22, 2022

Conference Call

### Administrative

#### 1. Introductions

The meeting was brought to order by the Chair, Brian Kasmarzik, at 10:34 a.m. Eastern on Friday, April 22, 2022.

#### 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 11 of 13 total members were present.

#### 3. NERC Antitrust Compliance Guidelines and Public Announcement

NERC Antitrust Compliance Guidelines and public announcement were reviewed by Laura Anderson, NERC staff. 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 of Meeting Notes from Previous Meetings

### 2. Discussion

- a. Minimum Facilities that need to be brought in – Devon Tremont (subteam lead)
  - i. Two questions for group: (1.) any other Facilities sections to include in the language? 2. Does this phrasing need to change?
  - ii. Needs to be modified to say BES electrical quantities
  - iii. By inserting control systems with protection functions, are we leaving out any of the equipment associated?
  - iv. Looking at the NERC Glossary of Term includes relays. The way the subteam worded this, does that imply that it isn't associated with protection functions?
  - v. For protection systems, can we imply that includes communication?
- b. Definitions:
  - i. Add measured quantities (what counts as voltage and current signals; for example, injected signals such as to measure rotor insulation resistance do not fall under this category)
  - ii. "Protective Relay" term changed to "Protective Function"
  - iii. "Functions applied via hardware or software that are designed and implemented to initiate the isolation of applicable Facilities in response to faults, system instability, or to prevent imminent catastrophic failure."
  - iv. Note: the term "applicable" replaces "BES"
  - v. "A protective function is software or hardware designed to detect and isolate faults or other power system conditions of an abnormal or dangerous nature on BES Facilities."
- c. Batteries:
  - i. New Table 1-4G to be added, to include electrochemical based battery technology

### 3. Action Item Review

- a. Update team roster to reflect Tomas Espinosa resignation from SDT due to new role at his company – Laura Anderson, NERC staff
- b. SDT members to review FAQ prior to next SDT meeting
- c. Working subteam: Battery: Giuseppe Giannuzzi (subteam lead), Andrew Miraldi, Mike Gerken, and Zhibo Wang
- d. Working subteams to continue their work.

### 4. Future meeting(s)

- a. April 29, 2022 – Conference Call
- b. May 5, 2022 – Conference Call
- c. May 19, 2022 – Conference Call

**5. Adjourn**

The meeting adjourned at 1:45 p.m. Eastern on April 22, 2022

<b>Attendance</b>				
<b>Name</b>	<b>Company</b>	<b>Member/ Observer</b>	<b>In-person (Y/N)</b>	<b>Conference Call (Y/N)</b>
Brian Kasmarzik	Ameren Services	Member	N	Y
Steve Turner	Arizona Public Service	Member	N	Y
Giuseppe Giannuzzi	HQCME, a division of Hydro-Québec TransEnergie designated as Quebec's RC	Member	N	Y
Eric Graftaas	Xcel Energy	Member	N	Y
Cesar Huerta	American Electric Power	Member	N	Y
Andrew Miraldi	FZSonic, Inc.	Member	N	Y
Randy Rhinier	Duke Energy	Member	N	Y
Deborah Schneider	Santee Cooper	Member	N	Y
Sudhir Thakur	Exelon Generation	Member	N	Y
Devon Tremont	Taunton Municipal Lighting Plant	Member	N	Y
Zhibo Wang	BC Hydro	Member	N	Y
Laura Anderson	NERC	NERC Staff	N	Y
Al McMeekin	NERC	NERC Staff	N	Y
Cindy Jackson	NERC	NERC Staff	N	Y
Juan Villar	FERC	Observer	N	Y
Louis Guidry	CLECO	Observer	N	Y
Hans de Boer	Utility Services	Observer	N	Y
Mark Nowakowski	KPMG	Observer	N	Y
Mike Braunstein	Oncor Electric	Observer	N	Y

<b>Attendance</b>				
<b>Name</b>	<b>Company</b>	<b>Member/ Observer</b>	<b>In-person (Y/N)</b>	<b>Conference Call (Y/N)</b>
Jordan Meyer	LG&E and KU Energy LLC	Observer	N	Y
Patricia Lynch	Con Edison	Observer	N	Y
Ronald Bauer	Madison Gas & Electric	Observer	N	Y
Manish Patel	Southern Company	Observer	N	Y