

Meeting Notes

Project 2022-02 Modifications to TPL-001-5.1 and MOD-032-1

Standard Drafting Team Meeting

December 15, 2022 | 1:00 – 3:00 p.m. Eastern

Introduction and Chair's Remarks

Chair J. Schmall called the meeting to order at 1:02 p.m. Eastern. The Chair welcomed members and guests. See **Attachment 1** for those in attendance.

NERC Antitrust Compliance Guidelines and Public Announcement

The NERC Antitrust Compliance Guidelines, NERC Participant Conduct Policy, and the Public Announcement were presented and reviewed by the secretary.

Agenda Items

1. Introduction

- a. The Chair welcomed the Standard Drafting Team (SDT) members and the participants from the industry.
- b. Agenda was reviewed and approved.

2. Develop Draft of Standard, Implementation Plan, VRFs and VSLs

The SDT modified Attachment 1 item 9 (Distributed energy resource (DER) data:

Distributed energy resource (DER) data1 [DP, TO (when DER is not associated with a registered DP)]

- a. Location (bus from item 1)
- b. Real power capability (minimum and maximum)
- c. Reactive power capability minimum and maximum)

¹DER refers to any source of electric power located on a distribution system – note that loads and demand response do not produce electric power and therefore are not considered DER for purposes of this standard. The PC/TP may have access to sufficient data for modeling certain DER through alternative means (e.g. direct registration of DER in certain markets). In such cases, the DP (or TO) should not be obligated to provide duplicate DER modeling data. The TP/PC modeling data requirements and reporting procedures should clearly identify if there are certain classifications of DER that are excluded from the DP/TO obligation for providing DER modeling data. Additionally, TP/PC modeling data requirements and reporting procedures may require either aggregated or unaggregated data as necessary for local practices and the TP/PC may need to coordinate with the DP/TO to determine appropriate assumptions for equivalent distribution system impedance.

- d. Generator type (solar, battery, etc.)
- e. In-service date or other information to be used to make assumptions about DER capabilities related to ride-through, voltage control, and/or frequency control.

Eugene Blick kindly reminded the SDT to take a look at the project scope identified in the SAR and make sure that nothing was neglected.

Technical Rationale document was brought up. Ben Wu recommended the team to develop one because this document will help the industry to understand the reasoning behind the changes of the Requirement(s) in the Standard.

The Chair asked for volunteers to draft the definition of DER. This will be reviewed at the next in-person meeting.

3. Other

- a. Next meeting (In-person)

January 11, 2023 | 10:00 a.m. – 5:00 p.m. Eastern (Day One)

January 12, 2023 | 8:30 a.m. – 12:00 p.m. Eastern (Day Two)

- b. Other: None

4. Adjournment

Chair adjourned the meeting at 3:00 p.m. Eastern by consent.

Attachment 1

Name	Company	Member/Observer	Date
Mark Garza	First Energy Corp	Observer	12/15/2022
Alexander Stewart	BPA	Member	12/15/2022
Stephanie Schmidt	ATC LLC	Observer	12/15/2022
Mohit Singh	Com Ed	Member	12/15/2022
Josie Daggett	WAPA	Member	12/15/2022
Patrick Quinn	GREnergy	Member	12/15/2022
James Manning	NCEMCS	Observer	12/15/2022
Josh Pierce	Southern Company	Member	12/15/2022
Eugene Blick	FERC	FERC	12/15/2022
Hassan Baklou	SDGE	Member	12/15/2022
Per-Anders Lof	National Grid	Observer	12/15/2022
Scott Barfield-McGinnis	NERC	NERC Staff	12/15/2022
John Schmall	ERCOT	Chair	12/15/2022
John Skeath	NERC	NERC Staff	12/15/2022
Terry Volkman	Volkman Consulting	Observer	12/15/2022
Ruida Shu	NPCC	Observer	12/15/2022
Cho Wang	AES	Member	12/15/2022
Ben Wu	NERC	Secretary	12/15/2022
Jeff McDiarmid	SPP	Observer	12/15/2022
Jonathan Hayes	SPP	Vice Chair	12/15/2022
Pranaya Neupane	JEA	Observer	12/15/2022
Jamie Calderon	NERC	NERC Staff	12/15/2022
Doikarinen	ATC LLC	Observer	12/15/2022
Patrick Dalton	MISO Energy	Member	12/15/2022