

# Meeting Notes

## Project 2010-13.2 Phase 2 of Relay Loadability: Generation Standard Drafting Team

April 12, 2013

Conference Call with ReadyTalk Web Access

### Administrative

#### 1. Introductions

The meeting was brought to order by Charles Rogers, chair, at 1:06 p.m. ET, Friday April 12, 2013 and welcomed everyone to the call. Mr. Rogers referred to Mr. Barfield regarding the quality review. Mr. Barfield apologized that the quality was not ready because he failed to consider that the reviewers would need all the documents for referencing the associated changes. Those in attendance were:

Name	Company	Member/ Observer
Charles Rogers (Chair)	Consumers Electric	Member
Jeff Billo	ERCOT	Member
S. Bryan Burch, P.E.	Southern Company	Member
Steven Hataway	Florida Power and Light Company	Member
Jonathan Hayes	Southwest Power Pool, Inc.	Member
Mike Jensen	Pacific Gas and Electric Company	Member
Xiaodong Sun	Ontario Power Generation, Inc.	Member
Benson Vuong	Salt River Project	Member
Syed Ahmad	Federal Energy Regulatory Commission	Observer
Scott Barfield-McGinnis (Standard Developer)	North American Electric Reliability Corporation	Observer

Name	Company	Member/ Observer
Phil Tatro (Technical Advisor)	North American Electric Reliability Corporation	Observer

**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 eight of the eleven members were present.

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

NERC Antitrust Compliance Guidelines and public disclaimer were reviewed by Mr. Barfield. There were no questions.

**4. Review Roster**

Mr. Barfield noted there have been no changes to the roster.

**Agenda**

**1. Open business from last meeting (Reviewed)**

- a. Mr. Barfield
  - i. Continue reaching out to the NATF.
- b. Mr. Jensen:
  - i. Continue working on the calculations.

**2. Finalize documents for posting**

Figures 4 and 5 were inserted into the Guidelines and Technical Basis to assist the readers (i.e. Generator Owners) with understanding how the options were applied based on the current transformer (CT) location. The team further discussed concerns about how to make the CT determination. To achieve the necessary clarity, the team agreed that those options involving the generator step-up (GSU) transformer needed additional text. To resolve the concern the team added, for example, “If the relay is installed on the high-side of the GSU use Option XX” in Table 1 of the proposed PRC-025-1 standard. Corresponding changes were made to the Guidelines and Technical Basis narrative and the proposed PRC-023-3, Attachment C, Table 1 for the appropriate options. Other minor errors were found and corrections made.

The team added a paragraph in the introductory area of Guidelines and Technical Basis to address multi-winding transformer configurations. The team agreed that trying to develop appropriate settings for each transformer winding would achieve the goal of the standard; however, it may

result in settings that may be more restrictive than anticipated depending on the configuration. Simulation would be a more suitable alternative to evaluating the generating unit or generating plant output for multi-winding configurations. The team also divided the introductory section into additional headers for clarity.

### 3. Future Webinar Content

- a. Applicability between the standards.
- b. Multi-winding transformers

### 4. Review of the schedule

The schedule was only reviewed in terms of when the quality review would be provided for the team to address.

### 5. Action items or assignments

- a. Mr. Barfield
  - i. Continue to outreach to the NATF about adding the GSU requirement for Transmission Owners in PRC-023-2.
  - ii. Continue working with Mr. Rogers on approaching the PC to revise the loadability document associated with PRC-023-3.
- b. Mr. Jensen, Hataway, and Vuong
  - i. Continue working on calculations.
- c. Mr. Tatro:
  - i. Continue with review of PRC-024-2 (Project 2009-07 – Generator Verification) with the proposed PRC-025-1 for coordination issue regarding the tripping of the generator in Requirement R2.

### 6. Next steps

- a. Review meeting notes from Fresno, the two conference calls and this meeting on the April 23 call. Notes will include March 25, April 3, April 5, and this meeting.
- b. Post draft 3 of PRC-025-1 for successive comment and ballot along with other project documents the week of April 19, 2013.
- c. Block the week to schedule in-person meeting to respond to comments from the draft 3 successive ballot the week of June 4-7, 2013.

### 7. Future meeting(s)

In-person meeting June 4-7, 2013 (Tuesday-Friday)

- Atlanta, GA

- Denver, CO
- Phoenix, AZ

**8. Adjourn**

The meeting adjourned at 5:10 p.m. ET on April 5, 2013.