

## Meeting Notes Project 2013-03 (Geomagnetic Disturbance) Standard Drafting Team

June 2, 2014 | 1:00 p.m. – 5:00 p.m. ET

June 3, 2014 | 8:00 a.m. – 5:00 p.m. ET

June 4, 2014 | 8:00 a.m. – 5:00 p.m. ET

NERC Headquarters  
Atlanta, GA

Dial-in: 1.866.740.1260 | Access code: 6251541 | Security code: 0308  
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### Administrative

#### 1. Introductions

The chair called the meeting to order at 1:00 p.m. EST, June 2, 2014. Participants were:

Members			
Name	Company	Name	Company
Frank Koza, Chair	PJM Interconnection	Randy Horton, Vice Chair	Southern Company
Donald Atkinson	Georgia Transmission Corporation	Emanuel Bernabeu (Joined 6/3)	Dominion Resource Services, Inc
Kenneth Fleischer	NextEra Energy	Luis Marti	Hydro One Networks
Qun Qiu	American Electric Power	Antti Pulkkinen (remote, 6/3 only)	NASA GSFC
Mark Olson	Standards Developer		

Observers			
Name	Company	Name	Company
Justin Kelly	FERC	Regis Binder	FERC
Stacey Tyrewala	NERC	Brady Walker	NERC
Mary Agnes Nimis (Remote)	FERC	Noha Abdel Karim	NERC
Steve Shelemy (Remote)	Manitoba Hydro	John Bee (Remote)	Exelon
Michael Gandolfo (Remote)	FERC	Habibou Maiga (Remote)	SDGE
Berhanu Tesema (remote)	BPA	Lucinda Bradshaw (Remote)	
Samuel Zewdie	MRO	Mario Kiresich	SCE

**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 with at least 6 of 8 total members participating at all times.

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

NERC Antitrust Compliance Guidelines and public announcement were reviewed by Mark Olson. There were no questions raised. Participant conduct policy was reviewed.

**4. Administrative and Safety**

Building evacuation plan, emergency procedures, and office layout were reviewed by Mark Olson.

**Agenda**

- 1. Chair Introductory Remarks.** Frank Koza welcomed the drafting team and observers. He reviewed the agenda.
- 2. TPL-007 revisions.** The drafting team discussed comments related to the draft standard. All requirements were re-ordered to follow the GMD Vulnerability Assessment process. Requirements were revised to be aligned with the responsibilities determined by the PC in R1. Requirements to distribute GMD VA’s and corrective action plans were incorporated into other requirements. Details of what GIC flow information needed to be provided to TOs and GOs by the planning entities were added to Requirement R5. FERC observer asked the SDT if a specific requirement to study harmonics should be added to R3; the SDT viewed this as better handled as part of the planning entities GMD VA process as written because entities will handle it differently. (Some will conduct harmonics analysis;

many will examine a worst-case scenario with a screening approach). Clarifying edits were made throughout. The team accepted revisions proposed by the Quality Review team.

3. **Benchmark GMD Event Description white paper** – Luis Marti presented the proposed revisions to plots; the SDT accepted all changes. The SDT discussed comments and did not accept changes to the proposed benchmark GMD event.
4. **Draft Transformer Assessment whitepaper**- Luis Marti presented proposed revisions including use of measurement data from the Fin Grid tests to support the modeling curves. The team accepted all revisions.
5. **Comment Review**. The drafting team reviewed comments from the informal comment period. Revisions were made to the Common Questions and Responses document.
6. **Implementation Plan was reviewed**. A revised implementation plan was developed to allow more time for transformer thermal assessment.
7. **Comment Form**. The drafting team discussed adding a question about the cost of GMD mitigation to the comment form. The SDT was undecided.
8. **The SDT supported sending material to the Standards Committee for authorization to post for formal comment and initial ballot.**
9. **Reviewed project schedule and future meetings**
  - a. Industry Webinar: Week of June 23
  - b. Tech Conference: July 17 – location TBD
  - c. SDT Conference Call: Week of Aug 11
10. **Adjourn**
  - a. The meeting adjourned at 12:30 p.m. EST on June 4, 2014