

# Meeting Notes

## Project 2015-10 Single Points of Failure Standard Drafting Team

April 11, 2017 | 1:00 – 5:00 p.m. Eastern

April 12-13, 2017 | 8:30 a.m. – 5:00 p.m. Eastern

NERC Headquarters  
Atlanta, GA

### Administrative

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

The meeting was brought to order by the Chair. The following standard drafting team (SDT) members and observers were in attendance:

Name	Company	<u>Member/Observer</u>
Baj Agrawal	Arizona Public Service Company	M
Eugene Blick	FERC	O
Brian Clowe	CenterPoint Energy Houston	O
Manuela Dobrescu Dobritoiu	Hydro-Quebec	M
Prabhu Gnanam	ERCOT	M
Rafik Halim	Midwest Reliability Organization	O
Latrice Harkness	NERC	O
William Harm	PJM Interconnection LLC	M
Brad Harris	CenterPoint Energy Houston	O
Jonathan Hayes	SPP	M
Ken Hubona	FERC	O
Liqin Jiang	Duke Energy Midwest	M

Name	Company	Member/Observer
Delyn Kilpack	Louisville Gas & Electric and Kentucky Utilities	M
Soo Jin Kim	NERC	O
Ruth Kloecker	ITC Holdings	M
Armin Klusman	CenterPoint Energy Houston	O
Richard Kowalski	ISO New England	M
Andres Lopez	FERC	O
Larisa Loyferman	CenterPoint Energy Houston	O
Al McMeekin	NERC	O
Pranaya Neupane	JEA	O
Lauren Perotti	NERC	O
Mark Pratt	Southern Company	M
Darrel Richardson	NERC	O
Hari Singh	Xcel Energy, Inc.	O
Jonathan Sykes	Pacific Gas and Electric Company	O
Omar Urquidez	CenterPoint Energy Houston	O
Ovidiu Vasilachi	IESO	O
Greg Vassallo	Bonneville Power Administration	O
Phil Winston	Southern Company	O

## **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 determined.

## **3. Review NERC Antitrust Compliance Guidelines and Public Announcement<sup>1</sup>**

Latrice Harkness reviewed the NERC Antitrust Compliance Guidelines and Public Announcement.

## **4. Review Meeting Agenda and Objectives**

### **Agenda Items**

#### **1. Review Language in the Standard**

- a. Rationale/White Paper – Edits were made to the rationale based on the draft submitted by the subgroup. Bill Harm provided explanation and intent of the rationale.
- b. VRF/VSL Matrix – The SDT reviewed the VRF/VSL Matrix and decided that no changes were needed.
- c. Footnote 13 – Edits were made to Footnote 13 using language provided to the team by Baj Agrawal.

#### **2. Implementation Plan**

##### **a. Proposed Options**

Implementation Plan options were reviewed by the group. Edits were made to the Project 2015-10 Implementation Plan Template to incorporate the agreed up effective dates and to discuss items that needed additional time for development in the “General Consideration” section. The points are as follows:

1. process for coordination with RC
2. process for coordination with protection engineers
3. models (e.g. ancillary files)
4. process for coordination with asset owners
5. consideration for data collection and analysis on behalf of protection engineers (for the study analysis, corrective action plan, implementation timelines)
6. additional studies due to additional base case models as well as analysis for new P5 contingencies, 4.6, and outage studies

##### **b. Effective Dates**

#### **3. Cost Effectiveness Questions**

Soo Jin Kim explained to the group that the cost effectiveness questions should be general in nature and recommended that the SDT should make revisions. She stated the questions will be

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<sup>1</sup> See page 5.

shared with other Standards Drafting Teams for the development of a set questions that could be used for all projects.

#### **4. Outreach Plan**

- a. A webinar is tentatively scheduled for May 16, 2017
- b. Opportunities – Delyn Kilpack will be attending meetings at SERC and will plan to provide an overview of the projects to the attendees

#### **5. Future Meeting(s)**

- a. June 6-8, 2017 | Hydro-Quebec | Montreal, Canada
- b. September 19-21, 2017 | Pacific Gas and Electric Company | San Francisco, CA

#### **6. Action Items**

- a. Implementation Plan - Rich Kowalski (2, 5, 6) and Bill Harm (1, 3, 4) will add language for items listed in the “General Considerations” section. Due by April 19, 2017.
- b. Draft Standard – Latrice will revise standard to include the rationale and Footnote 13 changes. Due by April 14, 2017.
- c. Cost Effectiveness – Delyn Kilpack and Prabhu Gnanam will revise the questions based on the guidance received from NERC Management.
- d. Power Point Slide Deck – Delyn Kilpack and Jonathan Sykes to create presentation for outreach use.
- e. Guidelines and Technical Basis – Subgroup (Bill Harm, Ruth Kloecker, Greg Vassallo, Chris Colson, Jonathan Sykes) will draft paper using rationales and other information.
- f. Timeline – Latrice will update the Project Timeline and Send to the SDT

#### **7. Adjourn**

The meeting was adjourned by the Chair.

### **NERC Antitrust Guidelines**

It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

### **Disclaimer**

Participants are reminded that this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. The notice included the number for dial-in participation. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

### **NERC Standards Development Process-Participant Conduct Policy**

<http://www.nerc.com/pa/Stand/Documents/Standards%20Development%20Process-Participant%20Conduct%20Policy.pdf>

### **NERC Email Listserv Policy**

<http://www.nerc.com/pa/Stand/Documents/Email%20Listserv%20Policy%2004012013.pdf>