

Meeting Notes

Project 2015-10 Single Points of Failure Standard Drafting Team

June 6-8, 2017 | 8:30 a.m. – 5:00 p.m. Eastern

Hydro-Quebec
Montreal, Quebec

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	Member/Observer
Baj Agrawal	Arizona Public Service Company	M
Eugene Blick	FERC	O
Chris Colson	WAPA	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
Jonathan Hayes	SPP	M
Liqin Jiang	Duke Energy Midwest	M

Name	Company	<u>Member/Observer</u>
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
Per-Anders Lof	National Grid	O
Larisa Loyferman	CenterPoint Energy Houston	O
Pranaya Neupane	JEA	O
Lauren Perotti	NERC	O
Mark Pratt	Southern Company	M
Darrel Richardson	NERC	O
Jonathan Sykes	Pacific Gas and Electric Company	O
Omar Urquidez	CenterPoint Energy Houston	O
Greg Vassallo	Bonneville Power Administration	O
Phil Winston	Southern Company	O

2. Determination of Quorum

The rule for NERC 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

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

4. Review Meeting Agenda and Objectives

J. Hayes reviewed the agenda and objectives. The purpose of the meeting was to review and draft documentation for initial posting.

Agenda Items

1. Review of Informal Comments

The SDT reviewed the informal comments and addressed as needed in standards documentation.

2. Review Language in the Standard

- a. Edits were made the TPL-001-5 draft standard based on the information comments and SDT discussion.
- b. The SDT made revisions to Requirement R1, Part 1.1.2 to address feedback loop between the Reliability Coordinator and Transmission Planner/Planning Coordinator.
- c. The SDT made revisions to Requirement R2, Part 2.1.3 to remove “in consultation with Reliability Coordinator” based on comments.
- d. The SDT made revisions to Requirement R2, Part 2.1.5 to change “studied” to “assessed” Use “assessed” instead of “studied” so you don’t have to study every P1 and P2 events, only where you don’t have the spare for steady state analysis.
- e. The SDT made revisions to Requirement R2, Part 2.4.5 to change “studied” to “assessed”. Use “assessed” instead of “studied” so you don’t have to study every P1 and P2 events, only where you don’t have the spare for stability analysis.
- f. Requirement R4.6, Parts 4.6.1 and 4.6.2 were moved to Requirement R4.2 for analysis of extreme events.
- g. Footnote 13 was revised to provide further clarification for non-redundant components of a Protection System to consider based on comments.
- h. “Special Protection System” was replaced with “Remedial Action Scheme” in Requirement R2, Part 2.7.1 and Requirement 4, Part 4.1.1.

3. Implementation Plan

No action was taken.

4. VSL/VRF Justification

No action was taken.

5. Mapping Document

No action was taken.

6. Cost Effectiveness Questions

No action was taken.

7. Proposed Project Timeline

No action was taken.

8. Action Items

- a. Subgroups to provide comment responses to C. Colson for consideration of comments.
- b. L. Harkness to follow-up with NERC Management to discuss options for addressing outage coordination with Reliability Coordinators and Transmission Planner/Planning Coordinators.

9. Future Meeting(s)

- a. June 21, 2017 | Conference call
- b. July 18-20, 2017 | To be determined

10. Adjourn

The meeting was adjourned by the Chair.