

## Notes

### Protection System Maintenance & Testing SDT — Project 2007-17

September 30 – October 1, 2009 | 8 a.m. – 5 p.m. EDT

Oncor Electric Delivery  
Forth Worth, TX

#### 1. **Introductions and Quorum**

Charles Rogers, Chairman, brought the meeting to order at 8 a.m. on Sep 30, 2009.

Present were:

Charles Rogers, Carol A. Gerou, John Zipp, Eric A. Udren, John Kruse, Richard Ferner, Robert Bentert, Len Swanson, Dave Harper, Mark Peterson, John B. Anderson, Phil Winston, Rick Ashton,.

Guests:

Rick Terrill, Linda Lynch, Jim Kenney, Danny Johnson, Alex Selina, Mel Stark, Tim Kedis, Mike Palusso, Kristina Candermilk, Sam Francis.

#### 2. **Review NERC Antitrust Compliance Guidelines**

Al Calafiore and Charles Rogers reviewed the NERC Antitrust Compliance Guidelines and there were no questions raised.

#### 3. **Meeting Actions**

Reviewed Comments from Posting and answered questions and comments.

The team began the process to address each of the comments and questions from the posting. Some revisions were made to the language of the standard based on the comments.

A list of issues to be addressed was made. This list will be used to revise the standard (based on the issue) at future meetings. The work of addressing the issue was started during this meeting.

**The list of issues from the comments are:**

1. PSMP elements of maintenance — verification, monitoring, testing, etc. — why do we have this section/definition? Is it required or not? Can we get rid of it? Are all the listed elements needed or used?
2. Timeliness of restoration – enforcement concerns. Does PRC-005-2 need to say anything about it?
3. Maintenance requirement for equipment tagged out of service:
  - a. Waiting for repair.
  - b. Known outage.
  - c. Not needed.
4. Reconsider definition of communications system. [What did this mean?]
5. Definition and scope of aux relays. Right now, it is only aux tripping relays and lockout relays. What about BFI aux, Z2/Z3 timers, or other auxiliary devices that have a role in the successful operation of a protection function but do not have a trip circuit passing through them?
6. Does entity need to comply with standards requirements or its documented program if the latter has greater requirements?
7. Maintenance of batteries or other equipment at sites other than substations where Protection System is located — remote microwave relay, etc. What about common carrier facilities out of the reach of the utility maintenance program?
8. John Zipp, Bob Bentert, and Eric Udren are to report on what is required for inspection of power line carrier, with suggestions for protective gaps and other overvoltage protective devices used in the same places. (John already did some work during the meeting).
9. Have we dealt properly in the Standard on the testing of connections (wires, serial data, fibers, etc.) among relay I/O points? We did cover relay to protection communications connections already.
10. Intervals that caused heartburn — especially 3 month items, and 6 year tests of tripping or auxiliaries.
11. Grace period for not being able to complete work because of scheduling problems, etc.

**4. Action Items**

All team members review comments not covered during this meeting and prepare suggested reply and or action to follow.

The following teams and/or individuals committed to providing input prior to the scheduled conference calls:

Phil Winston — Draft responses to the Question 4 comments

Rick Ashton — Draft responses to the Question 6 comments, and update the FAQ and Supplementary Reference

Carol Gerou, Mark Peterson, and John Anderson draft responses to the Question 7, Question 8, and Question 9 comments

John Zipp, Eric Udren, and Bob Bentert address comments on Communication Systems, wherever found

Sam Francis continue to lead an ad-hoc group to develop responses to the questions on DC supply, wherever found, and modify the relevant tables, as well as providing input to Rick on the associated info in the FAQ and Supplementary Reference.

**5. Next Steps**

Two conference calls have been scheduled for Oct 19 and Oct 20, each day from 1 PM to 5 PM (Eastern Time)

The next meeting is scheduled for December 16, 8 AM to 8 PM, and December 17, 8 AM to 5 PM, in Fort Worth, TX.

**6. Adjourn**

The meeting was adjourned at 5 PM on Oct 1, 2009.