

Meeting Notes

Assess Transmission Future Needs SDT — Project 2006-02

April 15, 2008

1. Administrative Items

a. Introductions and Quorum

The Chair called the meeting to order at 8:30 a.m. on Tuesday, April 15, 2008 at the FERC offices in Washington, DC. Participants were:

| | | |
|-----------------------------|------------------------------|---------------------------|
| Darrin Church | Bill Harm | Doug Hohlbaugh |
| Bob Jones | Brian Keel | Tom Mielnik |
| Bob Millard, Vice Chair | John Odom, Chair | Bernie Pasternack |
| Bob Pierce | Paul Rocha | Chifong Thomas |
| Dana Walters | Tom Gentile, Observer | Daniela Hammons, Observer |
| Bob Snow, Observer | Charles Long, Entergy, Guest | Chris Mak, FERC, Guest |
| Steve Rueckert, WECC, Guest | Ed Dobrowolski, NERC | Bob Snow, Observer |

b. NERC Antitrust Compliance Guidelines

No questions were raised on the NERC Antitrust Compliance Guidelines.

c. Agenda and Objectives — John Odom

An item was added to the agenda for a report on the draft letter from TIS.

The objective of this meeting was to finalize the draft language and performance tables so that the SDT can post as soon as possible after this meeting.

d. Review Meeting with FERC staff — John Odom

John and Ed met with FERC staff on Monday to discuss the TPL-001-1 revisions. The staff feels that the SDT has made tremendous progress and is heading in the right direction. No show stoppers were identified. Notes from the meeting will be distributed.

2. TIS Draft Letter — John Odom

The NERC TIS submitted a draft of their responses to questions raised during a SDT meeting with TIS. Those responses that are clarifying the TIS comments will be

taken up by the respective sub-teams in formulating their responses. Any new material needs to be officially submitted as comments to the next posting.

3. Review Standards Text Changes

The following notes are based on the current draft of TPL-001-1:

- R1: The existing R1 was moved to R8. This was done to facilitate the eventual removal of this requirement when the MOD standards are updated.
- R1: A new requirement for maintaining models was suggested. The SDT is currently split on the need for such a requirement.
- R2.1: Clarifying wording on annual assessments was added.
- R2.4: Clarifying wording on annual assessments was added.
- R2.7.2: Words are confusing and should be altered.
- R3.5 and R3.6: Generator tripping was discussed at length. PRC-012-0 covers the boilerplate issues for SPS (Note – This standard was not approved by FERC.) The response to question 38 provided a clear indication of where the industry feelings are on generation tripping for single contingencies. Therefore, the SDT changed the original wording to allow generation tripping for single and multiple contingencies. With this change, the WECC variance will not be required. These requirements read more like explanatory text at the moment and will be re-written in standards approved language.
- R5: Slight changes to the wording were made to bring the requirement into alignment with Order 693.
- R7: The SDT did not agree with the suggested changes and the original wording was brought back. Slight changes were then made to the wording to bring the requirements into alignment with Orders 693 and 890.
- R8: Delete protective relays from R8.4.

There is a need to review the various changes that have been made to assure that the standard is cohesive. A sub-team of John, Bill, and Ed will take on that assignment.

4. Review Performance Table — Doug Hohlbaugh

Doug distributed a new version of the tables based on decisions at the last meeting and conference call. This version was the basis for the discussion.

The following notes refer to the Steady State table:

- The first note in the heading of the table was supplemented with wording to clarify the amount of time involved in a system adjustment.
- The heading of column F was changed to read 'Interruption of Firm Transmission Service' in order to provide clarity by utilizing a Glossary term. The parenthetical phrase '(No Loss of Load)' was deleted as it was confusing and redundant to the subsequent columns.

- P0: row was added.
- P2:
 - Changed description of first event to eliminate ‘inadvertent’ and clarify what was meant by single ended line.
 - Change ‘breaker fault’ to ‘internal breaker failure’.
- P3: The question on whether the old P9.2 was covered was answered. It is included in the new P6.
- P4: This is now to be tested for less than 300 KV as well as greater than 300 KV.
- P6:
 - The double pole event is covered in P7 and can be deleted here.
 - Add shunt devices to the list.
 - The majority of commenters stated that non-consequential load loss should be allowed for P6. Therefore, the SDT decided to change the performance and allow non-consequential load loss for greater than 300 KV. The next posting should contain a question on this change.
- P7:
 - Delete ‘asynchronous tie line’ and correct terminology to ‘Loss of Bipolar DC Line.’
 - The apparent inconsistency with P6 was cleared up with the changes made in P6.
- P8: After discussion of the need for this multiple contingency event and the fact that this event wasn’t included in the original TPL standards, the SDT has deleted it.
- P9: Will become P8 due to the deletion of the existing P8. Spares was deleted from the table as it is covered in the text.
- Two notes were added to clarify what types of equipment are covered in the standards.

In the Stability table, wording was made consistent with the Steady State table. In addition, changes were made to the listing and format for wide-area events.

5. Review Implementation Plan — Bernie Pasternack

This item was not covered due to a lack of time. Since the SDT hasn’t vetted the Implementation Plan yet, it will not go out in the second posting.

6. Conditional Firm Transfers — John Odom

This item was not discussed due to time limitations.

7. Review Question Set — Daniela Hammons

This item was not discussed due to time limitations. Daniela will re-send the question set to the mail server no later than May 2nd with any changes accruing from this meeting.

8. Review Plan to Finalize Comment Responses — John Odom

Each sub-team is to review their responses to comments no later than May 5, 2008. They will then send on their responses to the next sub-team in line, (i.e., sub-team 1 (Paul) to sub-team 2 (Bob M.), 2 to 3 (Chifong), 3 to 4 (Bernie), and 4 to 1) no later than May 5, 2008. These sub-teams will review the responses for sanity, accuracy, consistency, and cohesiveness by May 16, 2008. Any problems should be worked out within the respective sub-teams with John as the moderator of last resort.

Any comments on the language should be sent to the mail server no later than April 30, 2008.

9. Review Issues Matrix — Dana Walters

This item was not discussed due to time limitations but it would appear that the problems may have been solved due to actions on the proposed text.

10. Next Meetings — All

- a. Sub-team conference calls on Monday, April 28, 2008 from noon–4 p.m. EDT. Sub-teams need to set up these calls on their own.
- b. Conference call and WebEx on Monday, May 5, 2008 from noon–4 p.m. EDT. Details will be supplied at a later date. This call will be for: (1) cleaning up language in TPL-001-1, (2) reviewing the second question set, and (3) reviewing the responses as time permits.
- c. Conference call and WebEx on Wednesday, May 21, 2008 from noon–3 p.m. EDT for any final clean-up items. Details will be supplied.
- d. Meeting on Tuesday, June 24, 2008 and Wednesday, June 25, 2008 from 8 a.m.–5 p.m. PDT both days at a site to be determined.
- e. Meeting on Tuesday, July 29, 2008 and Wednesday, July 30, 2008 from 8 a.m.–5 p.m. EDT both days in Boston, MA.

11. Action Items and Schedule — Ed Dobrowolski

The following action items were developed at this meeting:

- A sub-team of John, Bill Harm, and Ed will review the current wording of TPL-001-1 for consistency and cohesiveness by April 23rd.
- Daniela will re-send the question set to the mail server no later than May 2nd with any changes accruing from this meeting.
- Sub-team review of responses based on this meeting no later than May 5, 2008.

- Sub-teams to send responses to other sub-teams (as per listing in item 8 above) no later than May 5, 2008.
- 'New' sub-teams to review responses and finalize no later than May 16, 2008.
- Comments on language to the mail server no later than April 30, 2008.

The current list of action items to complete tasks needed for the second posting would indicate that the SDT will be approximately one month late in submitting their documents.

12. Adjourn

The Chair thanked FERC for its hospitality and adjourned the meeting at 11:30 a.m. on Thursday, April 17, 2008.