

Assess Transmission Future Needs Standard Drafting Team

May 22, 2007
 Tampa, FL

Meeting Notes

1. Administrative Items

a. Introductions and Quorum

The meeting was held in the offices of TECO in Tampa, FL. John Odom, Chair, called the meeting to order on Tuesday, May 22, 2007 at 0800. Meeting participants were:

Darrin Church	Tom Gentile	Bob Jones
Brian Keel	John Odom, Chair	Bernie Pasternack
Bob Pierce	Bob Snow	Chifong Thomas
Jim Useldinger	Bob Williams	Bill Harm, Observer
Ed Dobrowolski, NERC		

The team sends its best wishes to the Vice Chair, Bob Millard, who is recovering from surgery and currently unable to travel.

b. NERC Antitrust Compliance Guidelines – Ed Dobrowolski

There were no questions on the NERC Antitrust Compliance Guidelines.

c. Review Meeting Agenda & Objectives – John Odom

The emphasis of the meeting is to work through the sub-team material with the goal of resolving any conflicts. Any remaining major issues need to be identified immediately as the intention is to post a first draft shortly.

The team needs to remain cognizant of what the standards are designed to accomplish, i.e., a reliable operating system. This needs to be reflected in the Purpose Statement.

AI – Bill Harm will collect the current comments on Purpose and aggregate them for distribution to the team as a whole by COB on Thursday, May 24, 2007. Team members will review the statement and return any comments to Bill through the mail server by COB on Friday, May 25, 2007.

2. Update from Sub-teams on Recent Activities

The following sub-team reports were received:

a. Steady State – Chifong Thomas

The breaker outage duration question was resolved. The information was correct. The only real change in the current version of the table was a slight re-ordering of the categories.

There is a need to study recommendations made by TIS and to make certain that they have been covered sufficiently.

A point was raised that probabilities may be different from region to region and that the table may need to build in flexibility to handle this problem.

b. Stability – Bob Jones

A revised table was distributed prior to the meeting. Some columns were eliminated and the footnotes were removed where possible.

c. Language – Bill Harm

The sub-team had several web ex meetings to work on draft language. To date, they have simply tried to capture everything in the document. Now, an emphasis on wordsmithing is required to get the document to the correct stage for posting.

The sub-team still wants to double check on Order 693 issue coverage.

Open issues have been captured in the parking lot section of the documents.

There is a need to check on the use of the term ‘assessment’ versus ‘study’.

3. Review Draft Work Products to Develop Major Issues List – All

The team needs to ensure that all items identified in the SAR and Supplemental SAR, including FERC Orders, have been addressed and to identify any areas of further work.

a. Standard Development Roadmap Definitions and Parking Lot Issues

A definition of ‘assessment’ is required.

The sub-team needs to check that the definition of ‘Year One’ doesn’t conflict with the TOP standards.

b. TPL-001-1

It was determined that the language was at a sufficient stage to allow for the aggregation of requirements and formatting could take place so that everything was in traditional standards format. Ed Dobrowolski will perform that work and the team will review the material during a conference call on June 1, 2007.

Some minor changes were made to the Purpose statement. These were red-lined in the document and distributed to the group via the mail server.

Additional comments were provided on the definitions in the roadmap. These were red-lined and distributed to the group via the mail server.

c. Steady State Performance Table

The steady state table was discussed at length. Numerous changes were made to the table during the meeting and were then distributed to the group via the mail server. The following statements highlight those discussions and changes:

- The probability column will be removed from the final table.
- The 'delayed' and 'normal' clearing columns might be combined.
- Loss of generation needs to be clarified to indicate that it is for a single event.
- Post transient voltage deviation is apparently only an issue in WECC. Therefore it might be removed from the final table and handled as a regional difference for WECC. It may be worth posing a question to the industry as to whether they feel that there is a timing hole that needs to be addressed here.
- $(g-1) + (n-1)$ has an order of magnitude difference in probability from a simple $(g-1)$ event and thus is classified differently.
- Categories 3-3 & 3-4 was upgraded one notch.
- Category 2-9 was not upgraded.
- Categories 2-9 & 2-10 were changed to allow loss of generation on the sending end.
 - Category 2-4 was not changed.
- Many of the decisions on categorization were based on the probabilities. There was a question raised as to the correctness of the probability calculations. All team members should review the calculations.
- The two 3-2 category events should be combined into 1 event.
- The three 3-3 category events should be re-classified as a P1 event.
- It may be necessary to place a cap on generation lost/removed. This must be coordinated with BAL-002.
- The number of changes being introduced will require a transition plan. This should be stated in the roadmap.
- The 3-3 line and line event was moved up to the P1 group. Non-consequential load loss was changed to no which may result in some questions.
- Manual adjustments need to be made within 30 minutes in coordination with operating standards. Consistency is the goal.

AI – All team members should review the probability calculations and make certain that they are comfortable with them. Any changes must be sent to Chifong via the mail server. Members should pay attention to Chifong's e-mails concerning sub-team conference calls and provide their comments prior to that call for sub-team discussion.

The 'D' events were not reviewed during the meeting due to time constraints.

AI - All team members should review the 'D' events and make certain that they are comfortable with them. Any changes must be sent to Chifong via the mail server. Members should pay attention to Chifong's e-mails concerning sub-team conference calls and provide their comments prior to that call for sub-team discussion.

A question was raised concerning how to deal with spare transformers in the event structure. Bernie will write up a section of the performance table that deals with this issue.

AI – Bernie will create an event(s) in the steady state table to cover the issue of spare transformers.

d. Stability Performance Table

Due to time limitations, the stability table was not reviewed at this meeting.

4. Resolve Remaining Major Issues – John Odom

It is believed that any remaining major issues were addressed during the discussions on the other agenda items.

5. Develop Questions for First Posting – All

Due to time limitations, this item was not addressed.

6. Next Steps – John Odom

a. TPL-005 & -006

Due to time limitations, TPL-005 & -006 were not discussed at this meeting.

b. Measures and Compliance

Measures and Compliance remain to be done but they are not an issue for the first posting.

c. Work assignments

The steady state table needs to be re-formatted. For now, the sub-team will continue to concentrate on the table contents. Rows of the table can and will be compressed in the next iteration. Column elimination or compression will wait until the following draft. There will be a conference call on June 12th to discuss the steady state table and the sub-teams progress.

The stability table was not reviewed at this meeting. Additional work is pending the changes to the steady state table. The two tables should have the same general look and feel even if the column and row headings are slightly different. This table will be discussed during the June 12th conference call if time permits.

The language in TPL-001-1 needs to be aggregated and compressed as well as formatted in the acceptable fashion. Ed Dobrowolski will perform that work and the team will review the material during a conference call on June 1, 2007.

7. Schedule Next Meetings

- a.** Conference call and web ex – Friday, June 1, 2007 from 1100 to 1500 EDT. Purpose of the call is to discuss the draft TPL-001-1 language.

- b. Conference call and WebEx – Tuesday, June 12, 2007 from 1100 to 1500 EDT. Purpose of the call is to discuss the steady state table changes. If time permits, the stability table will also be reviewed.
- c. Wednesday, July 18, 2007 starting at 0800 PDT through Thursday, July 19, 2007 at 1700 PDT in San Francisco, CA, hosted by PG&E. Please be prepared to attend the entire meeting. Hotel information has been distributed. There is no block of rooms set aside at any of the hotels so you are encouraged to make your reservation early. Remember to ask for the PG&E rate.

8. Review Action Items and Schedule – Ed Dobrowolski

The following action items were developed at this meeting:

- o Bill Harm will collect the current comments on Purpose and aggregate them for distribution to the team as a whole by COB on Thursday, May 24, 2007. Team members will review the statement and return any comments to Bill through the mail server by COB on Friday, May 25, 2007.
- o All team members should review the probability calculations and make certain that they are comfortable with them. Any changes must be sent to Chifong via the mail server. Members should pay attention to Chifong's e-mails concerning sub-team conference calls and provide their comments prior to that call for sub-team discussion.
- o All team members should review the 'D' events and make certain that they are comfortable with them. Any changes must be sent to Chifong via the mail server. Members should pay attention to Chifong's e-mails concerning sub-team conference calls and provide their comments prior to that call for sub-team discussion.
- o Bernie will create an event(s) in the steady state table to cover the issue of spare transformers.

A detailed review of the schedule was not possible due to time constraints but in general the first posting date continues to slip and the schedule is not being met. Additional conference calls were scheduled to try to make up time.

9. Adjourn

The Chair adjourned the meeting at 1200 on May 23, 2007. The team thanked TECO for hosting the meeting.