

**Assess Transmission Future Needs Standard Drafting Team**

**October 17, 2007**

**Meeting Notes**

**1. Administrative Items**

**a. Introductions and Quorum**

John Odom called the meeting to order at 1 p.m. on October 17, 2007. The meeting was held in Baltimore, Maryland. Attendees were:

Darrin Church	Tom Gentile	Bill Harm
Doug Hohlbaugh	Brian Keel	Tom Mielnik
John Odom, Chair	Bernie Pasternack	Bob Pierce
Yury Tsimberg	Jim Useldinger	Bob Williams
*Bob Snow, FERC (Observer)	Ray Kershaw, ITC (Guest)	Dana Walters, National Grid (Guest)
Ed Dobrowolski, NERC		

\* Bob was present part-time and only the discussion of potential comments by various entities was discussed in his presence.

Tom Gentile informed the group that he is retiring at the end of the month and that this was his last meeting. John Odom and the entire team thanked him for his efforts and wished him well in his retirement.

**b. NERC Antitrust Compliance Guidelines — Ed Dobrowolski**

There were no questions raised on the NERC Antitrust Compliance Guidelines.

**c. Review Meeting Agenda & Objectives — John Odom**

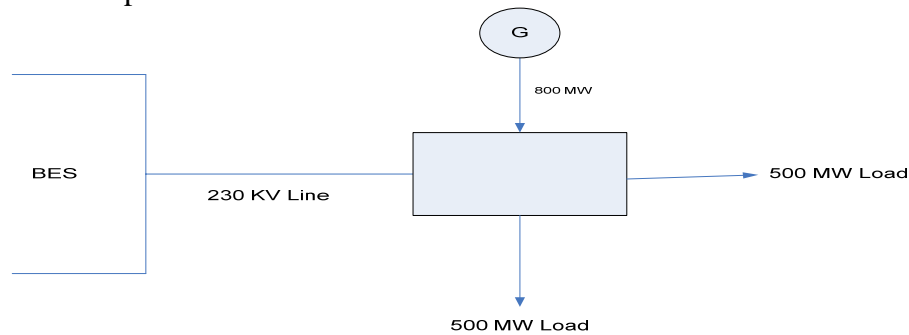
The goal of the meeting was to gather feedback on the industry conference call and to develop a strategy and work plan for handling the industry comments.

**2. Industry Conference Call Review and Summary — John Odom**

The general feeling from the call was that the SDT understands the issues and did a good job of revising the standards even if there is disagreement on some of the proposed solutions.

The SDT identified high level issues, concerns and questions from the conference call and other input that individual team members have received. The following items were identified:

- Why was 300 KV selected?
- There is a need to define requirements for each specific entity.
- Aligning the requirements for firm transfers to concerns raised in FERC Order 693 was raised as an issue, especially with the different market structures.
- Is radial load with networked systems consequential or non-consequential?  
For example:



If you lose the line shown above, is the 200 MW differential, radial, and consequential?

- There was positive feedback from WECC on the treatment of RAS.
- The tables still need some work and clarification is needed.
- A suggestion was made to specify system adjustment times and define the acceptable actions.
- How should the base case dispatch be defined?
- Do performance requirements apply to sensitivity cases?
- How many sensitivity cases do you need to run in order to be compliant? How extreme do they need to be? What is the required documentation?
- More work is required to include relay protection failures.
- Why are tie breakers treated differently?
- Clarification is needed on spare equipment strategy and planned outage treatment.
- Clarification is needed on the old footnote 'b' issue of local area load since it is not necessarily the same as the consequential load.
- The requirement for dynamic load models needs to be clarified.
- Comments indicate that there is too much study work required, including dynamic analysis, steady state analysis and the frequency of studies.
- The Corrective Action Plan requirements are onerous.
- Clarification is needed for planned versus committed.
- How should interaction with your neighbors be addressed?
- Extreme events need to be better defined and perhaps even addressed as a separate standard.
- Need to identify what documentation is required for compliance.
- Generator minimum steady state voltages, coordination, and ride through capabilities need clarification.
- Clarify the DSM considerations.

The NERC TIS discussed the new TPL standards at their last meeting. While they are going to submit an official document with their questions and suggestions, several members of ATFNSDT are also members of TIS and they provided the following list in advance of the official document:

- This is a step in the right direction and starts to bring planning into line with operations.
- Tighten the definition of misoperation and consequential load loss.
- Is load loss in another area due to voltage decay caused by the original event to be considered as consequential load loss?
- An implementation plan is needed and it should consider whether it is just going to be for having a plan or for the equipment that may be needed in order to achieve compliance.
- Is the base case just a power flow or is it a dynamic analysis?
- Delayed clearing is no longer mentioned.
- When is it okay to use an SPS for a first contingency?
- What is a bus tie breaker (ring bus, breaker and half schemes)?
- There is a typo in Table 1, P3 with respect to DC lines.
- If firm transfers are to be treated the same as native load, why is there a separate column for it in the tables?
- What about simultaneous (without time for system adjustments) multiple contingencies? NERC has a table where they have compiled a list of such events in real life.
- Why are shunt devices only called out in P1?
- There should be more emphasis on n-0 conditions at the top of the table.
- The 5<sup>th</sup> bullet at the top of the tables should include SPS/RAS.
- Why isn't SPS/RAS included in the list of events in the tables?
- The interaction between different SPS/RAS needs to be studied.
- The use of P & E in the tables is confusing.
- The use of 'all' for extreme events will lead to onerous requirements.
- What is the timeframe in R2.1.3.7?
- What is the vicinity for plant stability analysis?
- What is material change in R2.5.2?
- The assessment documents should be part of the critical infrastructure and protected accordingly.

In general, the number of questions and open items points to the need for a workshop and/or white paper as well as a possible application guide.

### **3. Develop Sub-Teams for Comment Responses — All**

Four general sub-teams were assigned to draft responses to the comments due on October 26<sup>th</sup>:

#### **1. Performance tables**

- a. Questions — 20 to 30
  - b. Team — Chifong (lead), Tom, Doug, and John
- 2. Stability, Runback, Tripping, RAS
  - a. Questions — 31 to 40
  - b. Team — Bob J., Brian, Bernie (lead), Jim, and Ray Kershaw
- 3. Sensitivity & CAP
  - a. Questions — 12 to 19
  - b. Team — Bob M. (lead), Yury, Bob W., and Bill
- 4. General & Definitions
  - a. Questions — 1 to 11, 41 & 42
  - b. Team — Paul (lead), Bob P., and Darrin
- 5. Question 43 — John
  - a. All read prior to meeting
  - b. Come to November meeting with suggestion as to how to split
  - c. Assign to specific sub-groups at meeting
  - d. Answer after meeting

The general goal is to come out of the November meeting with responses and summary considerations for questions 1 through 42 and a plan of attack for question 43. In order to accomplish this goal, team leaders are going to have to start work prior to the meeting and then use the one day breakout sessions at the meeting to fine tune their responses. This can be accomplished through group conference calls and/or individual work assignments. NERC will make every effort to get the comment form out as soon as possible after the deadline so that no time is wasted.

In the responses, attention should be drawn to any issues that would require changes to the standards text or tables. If the sub-teams come up with an issue that they feel must be discussed by the entire group, those issues should be flagged for special consideration at the half –day conclusion of the November meeting.

#### **4. Review Remaining Work Items — All**

- a. Measures
- b. Compliance elements including VSL
- c. VRF
- d. Time Horizons
- e. Implementation Plan
- f. FERC 693 cross reference

Ed Dobrowolski led a general discussion of items ‘a’ through ‘e’. All of these items are described in the Process Guidelines and in the Supplemental SAR. Team members should review this material for further clarification. The second posting will not include Measures or Compliance but may have the VRF and Time Horizons defined. The Implementation Plan will not be described until the requirements are in better shape.

The team reviewed the FERC Order 693 conformance matrix that Doug Hohlbaugh had set up after the San Francisco meeting. The table was completed and e-mailed to the mail server.

## **5. TPL-005 & TPL-006**

Everyone seems to agree that TPL-006 can now be retired as the requirements there are now covered under generic data requests as part of the ERO Guidelines.

TPL-005 is a similar document and should be considered for retirement. NERC is reviewing this situation internally. The team feels that TPL-005 can be retired as long as the high level coordination tasks are covered. This can probably be handled within TPL-001-1 in R6. Final consideration for retirement of this standard will wait on the determination by NERC staff.

Proper paperwork with specific references to ERO rules needs to be filed in order to retire these standards but it can be done at any time in the future.

## **6. Develop Work Plan for Remaining Items**

In order to keep up with the original scheduled plan to respond to the first set of comments in a two month period, responses and a second posting should take place immediately following the holidays. The meeting schedule developed at this meeting is designed to support such an effort.

## **7. VSL — Doug Hohlbaugh**

The VSL Team posted last week. This team should be looking to submit comments as necessary. Doug and Bill Harm will coordinate a conference call and web ex on October 31, 2007 from noon–2 p.m. EDT to discuss the issues and formalize any comments from the team. They will send out call-in information prior to the call date.

## **8. Next Steps – John Odom**

The next steps are to provide responses to the first posting comments and a revised standard based on those comments and responses. The goal for the second posting is the first week of January. Any plans beyond that timeframe depend on the comments received.

## **9. Schedule Next Meetings**

Doug Hohlbaugh and Bill Harm will coordinate a conference call and web ex for the sole purpose of providing comments from the team as a whole to the VSL posting. This will occur on Wednesday, October 31, 2007 from noon–2 p.m. EDT. Details for the call in will be provided.

Sub-team leaders will coordinate conference calls to address their sub-team responses as necessary.

There will be a face-to-face meeting of the entire team on Wednesday, November 28, 2007 from 8 a.m.–5 p.m. prevailing local time and Thursday, November 29, 2007 from 8 a.m.–noon prevailing local time at a location to be determined. Details on the meeting logistics will be sent out as quickly as possible. Please be prepared to stay until noon on the second day. The first day of this meeting will be breakout sessions for the four sub-teams. These sessions are to be used to finalize the draft responses and summary considerations for the sub-team and to identify any issues that require the entire team's inputs. The second half-day will be for the team to meet as a whole to review the draft responses and to consider any larger issues. At the end of this meeting, the goal is to have a complete set of responses to questions 1 through 42 and a plan of attack for question 43.

There will be a conference call and WebEx held on Friday, December 7, 2007 from 11 a.m.–3 p.m. EST. The purpose of this call is to clean up any remaining issues on questions 1 through 42 and to finalize the responses to question 43. Sub-teams may need to conference prior to this call in order to complete their assignments.

There will be two conference calls to draft the text for the second posting of TPL-001-1. These will take place on Tuesday, December 18, 2007 and Wednesday, December 19, 2007 from 11 a.m.–3 p.m. EST on both days. At the conclusion of these calls, the goal is to have a revised roadmap document suitable for submittal to the NERC Process Manager.

## **10. Review Action Items and Schedule — Ed Dobrowolski**

Action items developed at this meeting were:

- Doug and Bill will coordinate a conference call on VSL. Details on call-in need to be sent out to team members.
- Sub-team leaders need to get their teams together in order to respond to submitted comments prior to the November meeting.
- NERC staff needs to provide a recommendation on the retirement of TPL-005.

While the first phase of the schedule originally developed for this project was five months late, every attempt is to be made to keep up with the subsequent phases of the work as they were originally described. Therefore, the second posting should take place within two months of the comment submittal date. As the holiday season will directly impact this goal, the team agreed to push for a second posting during the first week of January.

## **11. Adjourn**

John Odom adjourned the meeting at 11 a.m. on October 18, 2007.