

Meeting Notes

Balancing Authority Controls SDT — Project 2007-05

August 21, 2008 | 8 a.m.–5 p.m.

August 22, 2008 | 8 a.m.–noon

Georgia Power Offices

Atlanta, GA

1. Administration

a. NERC Antitrust Compliance Guidelines

Andy Rodriquez reviewed the NERC Antitrust Compliance Guidelines with meeting participants.

b. Introduction of Attendees

The following members and guests were in attendance:

- Larry Akens, Chair
- Gerry Beckerle, Acting Chair Day 1
- Terry Bilke
- Bill deVries
- David Folk
- Will Franklin
- Steve Gillespie
- Howard Illian
- Ken McIntyre
- Sydney Niemeyer
- Kris Ruud
- Raymond Vice
- Andy Rodriquez

The drafting team discussed the resignation of Bill deVries from the team. The SDT requested that Andy Rodriquez pursue the appointment of another drafting team member to replace Bill; preferably, someone from NPCC or one of the Canadian provinces.

c. Approval of Agenda

The drafting team reviewed the agenda, and approved it unanimously.

d. Approval of Meeting Notes

The drafting team deferred the approval of the meeting notes.

2. Update on Coordination Efforts

a. RBCSDT and FRSDT

Sydney Niemeyer gave an update on the RBCSDT. The RBCSDT will be posting a questionnaire, asking for comments on the team's ideas on addressing the purpose statements in the SAR related to BAL-007 through BAL-011. The survey will cover topics related to the on peak/off peak transition, non-independent events happening on the interconnection, pump storage, TLR responsiveness, and the use of a cap on the ACE limit.

Sydney Niemeyer also gave an update on the FRSDT. The FRSDT will be meeting in one week. They will be posting their data collection standard soon.

b. NAESB Inadvertent and TEC Request

Terry Bilke provided a review of the NAESB work in progress on the Time Error Correction and Inadvertent Payback business practices.

After discussing the NAESB effort with Terry, the team spent additional time discussing the effort further. The SDT noted some potential conflicts between the NAESB drafts and reliable operations. Some members have concerns that Unilateral Inadvertent Payback will invalidate the usefulness of CPS1. Larry will attempt to contact Terry regarding these concerns.

Larry expressed his concern that we should be coordinating more closely with NAESB. Larry has some concerns that the NAESB TEC effort, combined with the NERC potential to eliminate TEC, may send a mixed message. However, some members of the team support Terry's approach as more of a "risk management" approach in case NERC does not eliminate TEC.

The SDT agreed that the BACSDT should be meeting jointly with the TIMTF. Raymond Vice will approach Terry personally and ask if he will support closer coordination.

3. Review of Industry Survey Whitepaper

Howard Illian provided a review of his white paper. Howard combined some of the information that Raymond Vice had located, as well as some previous work from the Resources Subcommittee. He also compiled some data and identified some analyses to include. Howard wanted to propose some alternatives for TEC in the survey, but the SDT felt that would be premature at this time. The team reviewed the paper step by step and made modifications as appropriate. The SDT talked about the need to be clear that we were not eliminating the analysis of Time Error, but the correction of them.

Bill deVries noted that some revenue meters might use frequency to manage clocks. Howard responded that such meters would need to be reset after any outage, so it should be easy to find them if they exist, as the reset procedures would need to be documented. Raymond pointed out that meters of this nature that he was familiar with were demand meters based on ten-minute increments of time, and did not need to be accurate relative to a particular clock time.

Howard suggested that the team needs to think about how to respond to the excessive frequency we are seeing today. Howard proposes that the team consider a semi-permanent offset to scheduled frequency to correct for the interconnection's tendency to run high. This offset would be based on statistical analysis of the trends seen. Howard will be running some simulations to identify if this would work or not. The SDT talked about having a variable target frequency that changed on a yearly basis. Howard suggested a daily or weekly change. The team expressed concern that changes occurring so often would essentially be the same as keeping TECs as they exist today. Additionally, it was discussed that if market or operator behavior was driving high frequency (rather than unintentional error), offsets would be overtime negated by resummptions of the behavior.

Gerry Beckerle brought up the point that if we halted TECs and then had to resume them, we would have a lot of Time Error to make up. Howard pointed out that since the industry is not the continent's Time standard anymore, we could just administratively agree to reset the Time Error balance to zero.

The team reviewed some of the criteria about frequency excursions, which are defined as frequency below 59.95Hz or above 60.05Hz. Because relay limits are static, frequency excursions limits are also static. Time Error Corrections, therefore, move scheduled frequency closer to these limits. A report of a recent test showed 43 percent of the frequency low deviations experienced were of a magnitude of less than .05Hz, but because of time error corrections in effect, they crossed the lower limit. Sydney Niemeyer agreed to forward the report from which this information was taken to the group.

The SDT noted that most frequency deviations seem to occur during ramp-out periods at 22:00. Howard Illian and Raymond Vice pointed out that historically, about 90 percent of the time these deviations occurred due to Generator trips. At that time DCS was written, with the intent of eliminating these. Now, it seems that has changed and that it is only about 50 percent.

The SDT discussed the concept of forbidding Time Error Corrections. All members, with the exception of Howard Illian and Bill deVries, believe that Time Error Corrections should be forbidden. Howard and Bill agree that TECs as they occur today should be forbidden, but there may be value in longer-term corrections as described earlier.

4. Review of BAL-005 Draft

The SDT discussed BAL-005 and went through the draft that Andy Rodriguez sent our previously, which was a reformatting of the version drafted by Will Franklin. The title was changed to “Area Control Error.”

One item that came up was whether the language in BAL-005 was still really BAL-005, or if it should be assigned a new number. Andy Rodriguez will take this back to the Standard Manager and ask their opinion. The preference of the team would be to call this BAL-001, but there was some question about how this would be done.

It was commented that AGC should be renamed as “Automatic Resource Control.”

Members wanted it to be clear that the standard should be clear this ACE is used solely for performance measuring, rather than actual control.

The SDT spent some time crafting the language related to how interchange with asynchronous interconnections, pseudo-ties, and dynamic schedules should be handled. The SDT decided to draft R1 in the “preferred” format, and will let the industry comment on the approach.

The SDT discussed that the ACE Equation special cases need to be removed from NAESB’s control and brought back under NERC’s control, as they can fundamentally impact the results of the calculation of reported ACE.

The SDT continued reviewing and drafting the language in BAL-005.

5. Future Meetings

The SDT reviewed the location where drafting team members can host meetings: Carmel, IN; St. Paul, MN; Chattanooga, TN; Little Rock, AR; Sacramento, CA; St. Louis, MO, and Austin, TX.

The SDT requested that the October 2–3 meeting be moved to October 9–10. Andy Rodriguez will work with Rocio Wong to determine if this is possible.

October 2–3 — 8 a.m.–5 p.m., 8 a.m.–noon in Chicago, IL (may change to below)

Meetings Not Yet Confirmed:

- October 9–10 — 8 a.m.–5 p.m., 8 a.m.–noon in Chicago, IL
- November 13–14 — 8 a.m.–5 p.m., 8 a.m.–noon in Austin, TX at the ERCOT offices or Little Rock, AR at the Entergy offices.
- January 14–15 — 8 a.m.–5 p.m., 8 a.m.–noon in Dallas, TX

6. Adjourn

The drafting team adjourned on August 22, 2008.