

## Final Meeting Notes Balancing Authority Controls SDT — Project 2007-05

April 21, 2009 | 10:00 a.m. – 4:00 p.m.  
Conference Call

### 1. Administration

#### a. Antitrust Guidelines

Andy Rodriquez reviewed the anti-trust guidelines with meeting participants.

#### b. Introduction of Attendees

The following members and guests were in attendance:

- Larry Akens, Chair
- Harvie Beavers
- Gerry Beckerle
- Will Franklin
- Steve Gillespie
- Margaret Q. Hebert
- Bill Herbsleb
- Howard Illian
- Ken McIntyre
- Sydney Niemeyer
- Guy Quintin
- Kris Ruud
- Scott Sells
- Raymond Vice
- Deonne Cunningham
- Andy Rodriquez

#### c. Approval of Agenda

The drafting team reviewed the Agenda. Gerry Beckerle moved that the group accept the agenda. The motion was seconded and approved unanimously.

**d. Approval of Meeting Notes**

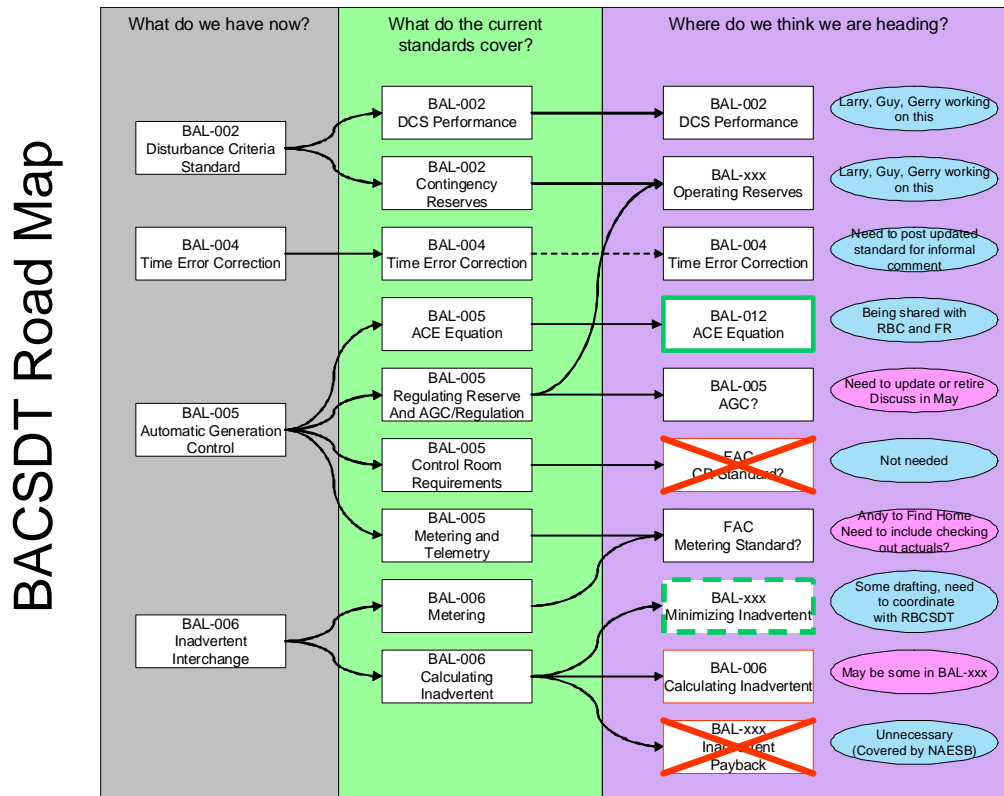
The drafting team reviewed the meeting notes from the last meeting. Harvie Beavers moved that the group accept the agenda. The motion was seconded and approved unanimously.

**2. Review of Roadmap**

The SDT reviewed the updated roadmap. Howard Illian had some concerns about saying that Inadvertent belonged to NAESB. However, after further discussion, it seems the concern is more about ensuring that  $I_A$  and  $I_S$  are properly tracked and the quality of the data is good, rather than “inadvertent” itself.

Larry Akens, Guy Quintin, and Gerry Beckerle agreed to develop a first draft of a new BAL-002.

Updated road map:



**3. Coordination Efforts**

Larry, Howard, and Raymond gave updates regarding the recent work in the RBCSDT. There was a concern that recent changes to under-frequency relays in FRCC may result in a need to recalculate some of the BAAL limits, as they are

based on the first relay trip point reached in the interconnection (and with the FRCC change, the new “first step” may be in RFC now at 59.7).

There was also some discussion at the RBCSDT regarding recent Time Error performance (which has been greatly improved). It has been suggested that perhaps the faltering economy has led to over-estimating load during forecasting, resulting in more reserves being available (and therefore responding to deviations more aggressively).

The NAESB TIM\_TF discussed in one of their meetings that they would like to see a list of 693 items and how they related to both NERC and NAESB. Andy was assigned to take care of this item. However, Larry later indicated that he would prefer to assemble the list.

The team discussed that there is a lot of attention being paid to Frequency Response and FR Reserves. Howard mentioned that he had requested an interpretation of BAL-003 with regard to whether or not the standards required 1% of peak load frequency responsive reserves be carried or not.

#### **4. Discussion of Time Error Correction**

The team discussed the two field trials. In the east, the team was concerned that some EMS’s may be hard-coded to use a .020 mHz offset. It was suggested that the standard be posted for comment. Andy will take this as an action item.

The team then discussed the ERCOT field trial. Ken McIntyre stated that this may need to be processed as a staged accumulation effort (for example, let 10 seconds of error accumulate, then correct; then let 20 seconds accumulate, etc.). Howard suggested that 20 seconds might be the “magic number.” Ken will make changes to the Field Trial document, then send to Andy to bring to the SC.

#### **5. Review of BAL-012 – Area Control Error**

The team reviewed the comments received from Doug Hils (summarized below):

**a.)** He suggested that we make the BA specify-identify their metered boundaries, and then clearly establish that they all should be accounted for in the ACE equation. He also suggested that they should be accounted for consistently through all the areas modeling as well, but recognized this might be outside our scope. **RESPONSE:** We will look at putting this in the Metering requirements (which we think may need to be put in FAC) and then link BAL-012 to FAC. The concept of a “peer check” of the ties might be useful.

**b.)** He suggested that we mandate the max sampling rate be 6 seconds (we may put this someplace else, but we've talked about the need for it). **RESPONSE:** Data must be the current measurement existing at this time and must be scanned or otherwise ensured to be updated within six seconds. There was a great deal of

discussion about reporting by exception. Some members questioned whether we need any sort of AGC requirement or not. We think this is addressed.

c.) He suggested we specify the number of significant digits for Fa. RESPONSE: the team agreed, and made the change.

d.) He suggested that we (NERC) should probably have a standard that described when it is and is not appropriate to use a pseudo-tie. RESPONSE: The team is not going to address this, as they believe it is out of scope. Andy will bring to the CISDT.

e.) He suggested that we need to pay attention to ACE Diversity Interchange and make sure we understand it's implications on tie-line flows (i.e., recognize it is untagged). RESPONSE: The team will defer any action on this until it hears from the RS.

f.) Related to (a), we should make sure that it is clear that all pseudo-ties need to be included in system models. RESPONSE: The team is not going to address this, as they believe it is out of scope. It may need to be addressed in the MOD standards.

Doug provided the following input on the 6 sources of Inadvertent that we identified in our FERC discussion paper:

a.) Schedules differ between adjacent BAs – Doug suggested that this should be addressed in INT. RESPONSE: Agreed.

b.) Generator performance <> schedule – Doug indicated that some of the standards being worked on by the RBC should address this

c.) Loss of Telemetry – Doug suggested we might want to consider a standard here

d.) Mis-calibration of metering - Doug suggested we might want to consider a standard here

e.) Unilateral Inadvertent Payback – Doug suggested that if we eliminate CPS2, BAAL may cover this while still allowing entities to payback if it helps frequency

f.) General Poor Performance – Doug indicated that BAAL will address

## **6. Discussion of BAL-xxx Operating Reserves**

Guy reviewed his document on Reserves. It was discussed that this could be a good document for people implementing a standard, or for compliance entities. Howard suggested that it needed more detail, and also notices some bias toward generators (based on wording). There was significant discussion on the characteristics of generation and load.

## 7. Assignments and Action Items

- Andy to make list of 693 issues for TIM\_TF (Larry later volunteered to create)
- Ken to send updated ERCOT field trial document to Andy.
- Andy to bring ERCOT field trial document to SC.
- Andy to post BAL-004 with updated 10mHz offset for comment.
- Larry Akens, Guy Quintin, and Gerry Beckerle to continue work on updating DCS standard.
- Larry Akens, Guy Quintin, Raymond Vice, and Gerry Beckerle to continue work on Operating Reserve standard.

## 8. Future Meetings (*Italics not confirmed*)

May 20–21 — Little Rock (Entergy) from 8 a.m.–5 p.m. and 8 a.m.–noon

*June 29 — Conference Call and WebEx 10 a.m.–4 p.m. EDT*

*July (20-24?) — Montreal (HQ) from 8 a.m.–5 p.m. and 8 a.m. –noon*

## 9. Adjourn

The drafting team adjourned at approximately 4:00 p.m. on April 21, 2009.