

## Meeting Notes Project 2010-14.1 Phase 1: Reserves Balancing Authority Reliability-based Controls

August 30, 2011 | 8:00 a.m.–5:00 p.m. ET

August 31, 2011 | 8:00 a.m.–2:00 p.m. ET

MISO Office  
Carmel, IN

### Administrative

#### 1. Introductions and quorum

Attendees: Larry Akens, TVA; Don Badley, NWPP; Gerry Beckerle, Ameren; Howard Illian, EnergyMark; Carlos Martinez, AS Researchers; Steve Myers, ERCOT; LeRoy Patterson, Patterson Consulting; Mike Potishnak, ISO New England; Jerry Rust, NWPP; Leslie Sapornaro, FERC; Scott Sells, FERC; Glenn Stephens, Santee Cooper; Steve Swan, MISO; Tom Washburn, FMPP; Wayne Van Liere, LGE/KU; Bob Cummings, NERC; Darrel Richardson, NERC

#### 2. Participants were read the NERC Antitrust Compliance Guidelines and Public Announcement

#### 3. The notes from the August 18, 2011 meeting were approved with no modifications

#### 4. The current meeting agenda was reviewed with no modifications

### Standard Development

#### 1. Balancing Authority ACE Limit (BAAL) Field Trial Update

Larry Akens led a brief discussion of the BAAL Field Trial.

#### 2. Review and discussion of BAL-00X\*

BAL-00X was not discussed. This draft standard will be discussed during the September 21-23, 2011 in Portland, OR.

#### 3. Review and discussion of BAL-001\*

The Standard Drafting Team (SDT) has completed work for BAL-001, but the draft standard needs some cleanup to make it ready for submittal to NERC Quality Review. It was agreed that the VSL would be included in the draft that is submitted to NERC for quality review. After discussion, it was decided that in Attachment 2, 60 hertz would be replaced with frequency scheduled.

#### 4. **Review and discussion of BAL-002\***

The draft standard BAL-002 was discussed. References to Responsible Entity need to be globally changed to Balancing Authority (BA) and Reserve Sharing Group (RSG). There is a fill in the blank for Reportable Contingency Event definition that needs to be determined. There was general consensus that the items currently in the Compliance section were properly moved to the Requirements section in the proposed draft. Much time was spent clarifying the disturbance recovery and the reserves restoration recovery for various scenarios including single disturbances less than MSSC, single disturbances greater than MSSC, multiple disturbances within the disturbance recovery period, and disturbances with the reserve recovery period. The team achieved general consensus regarding the expected BA and RSG response. Based on these discussions, the proposed requirements will be modified. A sub-team will propose any changes to the BAL-002 requirements based on these discussions. The proposed requirements will be forwarded to all team members for review prior to the September 2011 meeting. Mike Potishnak developed the different scenarios for Disturbance Control Standard (DCS) recovery. Howard Illian agreed to develop a white paper which might be referenced in the proposed standard that would provide guidance to BA operators. It was felt that this would be the better alternative than an attachment to the draft standard that could not be readily edited.

A new draft standard dealing with loss of load was discussed. The central discussion point was the determination of the magnitude of the loss of load that should be considered. Some discussion indicated it might be different for each interconnection. Bob Cummings agreed to provide information regarding loss of load events so the team could better evaluate the impact to reliability for recent loss of load events. Based on evaluation of the data, the team will move forward to perfect the proposed loss of load standard or will develop a position to FERC why the loss of load was not addressed by the drafting team.

#### 5. **Review action items, make assignments for next scheduled meeting**

Glenn Stephens reviewed the action items and made assignments

#### 6. **Next steps**

Larry Akens discussed next steps

#### **Future Meeting(s)/Conference Call(s)**

**A face to face meeting scheduled for September 21-22, 2011 at the NWPP Office in Portland, OR**

#### **Adjourn**

\*Background materials included.

### BAL-00X Proposed Operating Reserve Planning

- The Definition of Terms Used in Standard needs to be reviewed and limited to those that are newly defined or those that need to be revised in the NERC Glossary of Terms. These new or revised terms will be part of the proposed standard subject to review and ballot by the stakeholders.
- Contingency Event in lieu of Disturbance needs to be consistent among proposed standards (see proposal for BAL-002).
- Reserve Sharing Group needs to be added to the Applicability section of the proposed standard and explanation boxes for Coordinated Functional Registration (CFR) removed. Each Requirement needs to be reviewed and modified to include Reserves Sharing Group as appropriate.
- Need final review of the Background section. It is well written and will help the reader understand why this standard has been proposed.
- Requirement 3, documentation of frequency responsive reserves, needs to be coordinated with Frequency Response SDT.

### **BAL-001-2, Proposed Real Power Balancing Control Performance**

- The Definition of Terms Used in Standard needs to be reviewed and limited to those that are newly defined or those that need to be revised in the NERC Glossary of Terms. These new or revised terms will be part of the proposed standard subject to review and ballot by the stakeholders.
- Reserve Sharing Group needs to be added to the Applicability section and the notes for CFR removed. Each Requirement needs to be reviewed and modified to include Reserves Sharing Group as appropriate.
- Definition for Area Control Error (ACE) equation needs to be added to this standard by modifying Attachment 1. Team needs to discuss during the August 2011 meeting.

### BAL-002-2 Proposed Disturbance Control Performance

- This standard has been rewritten to remove as much ambiguity as possible. The team needs to discuss and agree with the proposed draft or quickly offer another direction.
- The proposed definition for “Contingency Event” needs to be agreed upon by the team as a better term than “Disturbance”.
- There are several terms listed in the definitions that are either new or revised. Each needs to be discussed and for those that are accepted, any changes to other standards need to be coordinated. Question for Darrel: If the SDT proposed a change to the NERC glossary such as the elimination of Disturbance and addition of Contingency Event, how is this coordinated with existing NERC Reliability Standards?
- Need to finalize discussions regarding using instantaneous or clock-minute averages for BAL-002. Clock-minute has been suggested. Need to ensure consistency among standards.
- Need to finalize discussions regarding BAL-002 not limiting contingency reserves to only being used for contingency. Howard Illian has agreed to address.