

Meeting Notes

Project 2007-12 Frequency Response

December 14, 2011 | 8:00 a.m. to 5:00 p.m. ET
December 15, 2011 | 8:00 a.m. to 2:00 p.m. ET

NERC Headquarters
Atlanta, GA

Administrative

1. Introductions and chair's remarks

David Lemmons welcomed everyone and thanked them for attending.

2. Attendance

Name	Entity	In-person/Via Conference Call
Don Badley	NWPP	In-person
Gerry Beckerle	Ameren	In-person
Terry Bilke	MISO	In-person
Troy Blalock	SCANA	In-person
Robert Blohm	Consultant	Conference Call
Neil Burbure	FERC	In-person
Howard Illian	Energy Mark	Conference Call
David Lemmons	Xcel Energy	In-person
Carlos Martinez	CERTS	Conference Call
Sydney Niemeyer	NRG	In-person
Mike Potishnak	ISO NE	In-person
Darrel Richardson	NERC	In-person
Scott Sells	FERC	In-person

3. Participants were read the NERC Antitrust Compliance Guidelines and public announcement

Agenda Items

1. Standard development

- a. Review comments received from second posting and initial ballot.
 - i. The Standard Drafting Team (SDT) reviewed and discussed the comments received from the industry. The SDT identified the following major issues brought out by the industry:
 1. The Balancing Authority (BA) does not control the generator
 2. How Frequency Response (FR) is measured
 3. Measurement noise (i.e., single event vs. multiple event)
 4. FR vs. Frequency Bias
 5. Maximum FR expectation
 6. Use of Reserve Sharing Groups (RSG)
- b. Develop responses to comments received.
 - i. Question #1
 1. The SDT developed conceptual thoughts to respond to comments received.
 2. Some commenters felt the definitions for Frequency Response Measure and Frequency Response Obligation (FRO) should be removed and rolled into the requirements. The SDT disagreed with removing the definitions but felt that they should be reviewed to determine if modifications would provide additional clarity.
 - ii. Question #2
 1. The SDT developed conceptual thoughts to respond to comments received.
 2. Mr. Lemmons will provide language to limit the amount of FR a BA has to provide for compliance.
 3. The SDT created a definition for Frequency Response Sharing Group (FRSG) to eliminate confusion with responsibilities of an RSG.
 4. The SDT will evaluate options for modifying Requirement R5 to provide additional clarity.
 5. The SDT is reviewing the implementation period for Frequency Bias Setting.
 6. The SDT will review Requirement R3 for use of the term "Tie Line Bias Mode".
 - iii. Question #10
 1. The SDT developed conceptual thoughts to respond to comments received.

2. The SDT will review the language associated with the timing of providing the data for the events developed by the Electric Reliability Organization (ERO).
 3. The SDT will review the issue associated with FR during emergency operations vs. normal operations.
 - iv. Question #6
 1. The SDT developed conceptual thoughts to respond to comments received.
 2. The SDT will make modifications to clarify that the ERO is responsible for setting the Interconnection Frequency Response Obligations and FRO.
2. **Next Steps – The following assignments were made:**
- a. Preliminary responses to remaining questions:
 - i. Question #3 – Darrel Richardson
 - ii. Question #5 – Terry Bilke
 - iii. Question #6 – Darrel Richardson (finish)
 - iv. Question #7 – David Lemmons
 - v. Question #8 – Don Badley
 - vi. Question #9 – Sydney Niemeyer
 - b. The following individuals will provide additional language to support the following Issues:
 - i. RSG vs. FRSG – Mike Potishnak, Terry Bilke and Don Badley
 - ii. Median measure – Mike Potishnak and Howard Illian
 - iii. Primary response – Gerry Beckerle
 - iv. Responsibilities to generators – Sydney Niemeyer and Troy Blalock
 - v. Removal of Tie Line Bias operation requirement – Don Badley
 - vi. Fixed Bias versus Variable Bias – Don Badley, Terry Bilke, Sydney Niemeyer and Mike Potishnak
 - vii. Maximum FR responsibility – David Lemmons
3. **Future meeting(s)/conference call(s)**
None were set.
4. **Adjourn**