

Conference Call Notes Underfrequency Load Shedding SDT – Project 2007-01

March 13, 2009 | 1:00 p.m.–3:30 p.m. EDT
Dial-In Number: (281) 540-4943
Conference Code: 6762229123
WebEx Site: <https://nerc.webex.com>
Password: standards

1. Administrative

a) Roll Call

Stephanie Monzon will welcome the members and guests of the Standard Drafting Team for Project 2007-01 Underfrequency Load Shedding (see Roster — **Attachment 1a**).

- Philip Tatro — National Grid (Chair)
- Paul Attaway — Georgia Transmission Corporation
- Brian Bartos — Bandera Electric Cooperative
- Jonathan Glidewell — Southern Company Transmission Co.
- Gerald Keenan — Northwest Power Pool Corporation
- Robert W. Millard — ReliabilityFirst Corporation
- Steven Myers — Electric Reliability Council of Texas, Inc.
- Mak Nagle — Southwest Power Pool
- Robert J. O'Keefe — American Electric Power
- Robert Williams — Florida Municipal Power Agency
- Brian Evans Mongeon – Utility Services, LLC
- Tony Rodrigues - Pacificorp
- Stephanie Monzon — NERC

Observers

- Anthony Jablonski — ReliabilityFirst Corporation
- Scott Sells – FERC Staff
- Scott Berry – Indiana Municipal Power Agency

b) NERC Antitrust Compliance Guidelines

Stephanie Monzon will review the NERC Antitrust Compliance Guidelines provided in **Attachment 1b**. It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

2. Introduction of New Team Member

Stephanie will introduce Tony Rodrigues, Manager of Asset Strategy & Policy. He is with PacifiCorp and is filling the vacancy created by Dana's departure.

3. Draft Standard (Performance Characteristics)

The team met in person February 11-13 and completed a first pass of the draft standard. The team tabled one discussion related to the generation level as stated in **Requirement R6.4**. The team could not come up with the right alternative to the BES but suggested wording that is consistent with the registration criteria. The team will have to come back to this requirement and finalize the wording prior to posting.

Phil indicated that he would be proposing language for R6.4 after a regional meeting. This will be discussed at the next conference call (scheduled for 3/13/09).

The team reviewed the proposed definitions and decided that none of the terms proposed by Dave including island, annually, and coherent generation groups were needed as defined terms. While island is used in the standard there is enough industry understanding of the term not warranting a definition. The term coherent generation groups is not used in the proposed standard and annually is the collegiate definition of the term; therefore, the team will not propose definitions for these terms.

March 13, 2009 – the team will review the proposed language for R6.4 provided by Phil. In addition, the team will review Stephanie's clean-up suggestions for the draft standard.

The team changed requirement R6.3 from 61.5 Hz to 62.0 Hz to coordinate with the PRC-024 team. The comment report will have to be updated to reflect this change.

Bob M. suggested that before the team posts the proposed standard a meeting take place between the PRC-024 team and this team for the purpose of ensuring that all are on the same page. Specifically, the two teams should discuss R6.3 and the value change from 61.5 to 62.0 Hz.

4. Response to Comments – Summary Responses

Summary Responses to each question will be reviewed during this call.

The team completed a second pass of responses to all questions in the comment report. In addition, the team reviewed Summary Considerations for Questions 1-2.

The team will review Summary Considerations for Questions 3-9.

The team reviewed Summary Consideration section for Question 7 as Phil had flagged a possible fundamental issue that required team attention. As a result of the discussion the team re-worded point #2 in the summary consideration to clarify that the continent wide standard will not be specifying a format for the data because a specific format is not needed to support reliability of the BES.

The team decided to not review the Summary Considerations on the conference calls because it is time consuming and because a review can take place over email. Stephanie emphasized that the team must be responsible for reviewing the documents thoroughly before posting such that everyone is on the same page and has no issues with the content of the summary considerations. Stephanie will prepare another version of the comment report and distribute for review.

March 13, 2009 – Stephanie apologized for not sending out the comment report in time for the meeting. She will be finishing up the review of the comment report and will send to the team early next week for their review.

5. Mapping Document

The team will review the mapping document that will indicate how the characteristics posted during the first posting were incorporated/included in the first draft standard.

The team briefly reviewed the mapping document that Phil sent out over e-mail (and revised on 3/4/09). Jonathan volunteered to look over the mapping document for quality assurance purposes before posting.

March 13, 2009 – Based on revisions to the draft standard the mapping document will have to be reviewed for consistency.

Jonathan will review the mapping document and email it to Stephanie.

6. Comment Form

The team decided to begin brainstorming on the questions to be included in the second posting of the standard. The team made several individual assignments to complete a first draft of the comment form (for review on the 3/13 call):

- Stephanie to draft the background
 - Include a description of the decision process for change in approach – including the inability to assign requirements to the Regions.

- Include a explanation of the planning coordinator “group” – the intent is to preserve what is in place today. Historically planning coordinators in a region have formed groups for assessments.
- Phil to work on Question 1 - completed
- Bob M. to work on Question 2
- Rob to work on Questions 3 and 4 - completed
- Phil to work on Question 6 - completed
- Stephanie to add the tariff and catch all questions (Questions 7 and 8) – completed

March 13, 2009 – The team reviewed the comment form and agreed on several changes (Rev 06). There are several action items:

- Phil T. will review Q2 and Q4 and make any necessary changes to the questions to conform them to the language in the standard.
- Stephanie will add a paragraph to the background addressing the applicability of the standard specifically the concept of assigning the responsibility of designing the program to the PC and mention that the RE cannot be assigned requirements in standards. In addition, the background should acknowledge that the PCs may overlap regions but that this is a good thing as it will promote coordination between regions.

7. Project Schedule

Stephanie Monzon did not review the project schedule during the call if time permits.

8. Action Items

Stephanie Monzon reviewed the actions that were open at the end of the meeting March 04, 2009.

| Action Items: | Status: | Assigned To: |
|--|------------------|------------------|
| The remaining questions for the comment report: Question 6: Phil T. and Jonathan Question 7: Gary K. Question 8: Larry B. and Bob M. Question 9: Rob O. | Completed | See first column |
| Stephanie will compile the draft responses and send out to the SDT prior to the next meeting (October 22–23). | Completed | Stephanie |
| Stephanie will draft the first draft of Option 3 and distribute to a sub group for review. Stephanie will use the description of Option 3 to facilitate her initial discussion with Gerry Adamski and Dave Cook. Stephanie will be expecting Dana, Rob, Phil, and Bob to | Completed | |

| Action Items: | Status: | Assigned To: |
|---|---|----------------------------------|
| weigh in on the draft description. | | |
| Stephanie will follow up with the team via email regarding her initial discussion with NERC Management on the feasibility of Option 3. | Completed | |
| Stephanie to follow-up with Compliance and Standards to determine if the draft standard can require that the group of PC's use their regional standards development processes to develop the UFLS program. | Created 2/11 By 2/20 conference call | Stephanie |
| Standard: The team needs to finalize the language in Requirement R6.4 – generator level | Completed | All |
| Response to Comments: Question 6: Phil and Jonathan have a draft for the 2/20 conference call (by 2/19) Completed Question 7: Rob and Brian M. to have a draft for the 2/20 call (by 2/19) Completed Question 8: Brian Bartos to have a draft for 2/27 conference call (by 2/24) – Phil provided a first pass to Question 8 - completed Question 9: Rob to have a draft for the 2/27 conference call (by 2/24) Completed | Completed | Rob, Brian B., Phil, Brian M. |
| General Response to Comments (Find/Replace) – Jonathan at the final pass of the comment report (March 4 th) Jonathan emailed out a version of the comment report for review on the 3/4/09 call. | Completed | Jonathan |
| General Response to Comments – Summary of Comments – Stephanie and Phil to have a draft 2/27 (by 2/24) | Completed | Stephanie, Phil |
| Mapping Document (characteristics to the draft standard) – Phil to create first draft by 2/24/09 (to | Completed | Phil |

| Action Items: | Status: | Assigned To: |
|---|------------------|--------------|
| be reviewed on the 2/27 call) - Completed | | |
| Comment Form – Stephanie to have a draft for the 3/4 conference call | Completed | Stephanie |

9. Next Steps

Based on the progress to date the team has decided to **cancel/reschedule the April 29** in person meeting in Atlanta. Stephanie will send out a spreadsheet with possible meeting date options to the team to come up with the rescheduled date.

| Date | Location | Comments |
|--|-----------------------------|--|
| January 30, 2009 1:00 p.m.–3:00 p.m. EST | Conference Call | Complete 1/13/09 agenda |
| February 11, 2009 from noon-5 p.m. Lunch February 12, 2009 8 a.m.-5 p.m. Lunch February 13, 2009 8 a.m.-noon | Austin, TX ERCOT Offices | ERCOT to host – confirmed with Steve |
| February 20, 2009 1-3 p.m. EST | Conference Call and WebEx | To discuss Question 6 and Question 7 (response to comments) and to discuss Requirement R6.4 |
| February 27, 2009 1-3 p.m. EST | Conference Call and WebEx | To discuss Question 8 and Question 9, General Response to Comments (summary) and the Mapping Document. |
| March 2, 2009 2-5 p.m. EST | Conference Call and Webex | To complete Question 9, Review Summary Responses to Comments and the Mapping document. |
| March 4, 2009 1-3 p.m. EST | Conference Call and WebEx | To discuss the Comment Form and one final review of the response to comments. |

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|--|---------------------------|---|
| March 13, 2009 1-3:30 p.m. EST | Conference call and WebEx | To discuss the comment form, a final pass (by exception) of the mapping document and the response to comments and a review of the draft standard. |
| Canceled April 29–30, 2009 8 a.m.–5 p.m. 8 a.m.–5 p.m. | Atlanta | Jonathan confirmed Southern Co.'s availability |

Things that need to get completed before the second posting:

Comment Form – Stephanie to have a draft for the **3/4 conference call**

Response to Comments

Question 5 – Completed on 2/13/09

Question 6 – Phil and Jonathan have a draft for the **2/20 conference call (2/19) - Completed**

Question 7 – Rob and Brian M. to have a draft for the **2/20 call (2/19) - Completed**

Question 8 – Brian Bartos to have a draft **for 2/27 conference call (2/24)**

Question 9 – Rob by 2/24 have a draft for **the 2/27 conference call**

General Response to Comments (Find/Replace) – Jonathan at the final pass of the comment report (March 4th)

General Response to Comments – Summary of Comments – Stephanie and Phil to have a draft **2/27 (by 2/24)**

Mapping Document (characteristics to the draft standard) – Phil to create first draft by 2/24/09 (to be reviewed on the **2/27 call**) - Completed

10. Adjourn

The meeting adjourned at approximately 4:17 p.m. EDT.