



Regional Reliability Standards Working Group

December 13–14, 2006
Tampa, Florida

Draft Meeting Notes

Members Present:

Steve Myers, ERCOT
Larry Brusseau, MRO
Bob Millard, RFC
Mak Nagle, SPP
David Taylor, NERC

John Odom, FRCC
Guy Zito, NPCC
Pat Huntley, SERC
Ken Wilson, WECC

1. Administrative Items

a. Meeting Notes

The group will select a “volunteer” to take the notes for the meeting.

Larry agreed to take the notes.

b. Introductions

The current roster of the working group is provided in **Attachment 1**. Members are requested to review the roster information for accuracy.

The working group reviewed the list and any changes will be sent to Dave.

c. Arrangements

John reviewed the meeting arrangements.

2. Overview of NERC’s Reliability Standards Development Plan: 2007–2009

David Taylor will provide the group an overview of the Reliability Standards Development Plan: 2007–2009 (**Attachment 2**) which was approved by the NERC Board of Trustees on November 10, 2006.

NERC has grouped the standards into 31 projects to be worked on over the next three years, many of the RRSWG feel that is an aggressive schedule. Drafting teams will work on these projects which will possibly have more than one standard associated with it. There are several sources of information that will be made available to the drafting team for each of these projects. The RRSWG proposed regional standards be developed in conjunction to support the following continent-wide standards (project number) PRC-006(2007-1), BAL-002(2007-5), PRC-002(2007-11), PRC-012(2008-4). There are 9 projects being worked on in 2006 already. There will be 11 projects for 2007 and 7 projects for 2008. In 2009/10, the remaining 4 projects are scheduled. The UFLS SAR (Project 2007-01) is being posted for public comment until January 12. Bob (or Tony Jablonski) will be submitting a comment suggesting removing the standards related to relay maintenance out of Project 2007-01 and into a project involving all the relay maintenance/testing.

The NERC three-year work plan consists of 3 volumes:

- *Vol. 1 is the introduction of the development plan.*
- *Vol. 2 is the road map for revising all the existing NERC reliability standards. Each project is identified in the heading and the pages that follow are the to-do list of items that need to be complete for the draft standard development.*
- *Vol. 3 was the work plan developed by the RRSWG addressing all the fill-in-the-blank standards. The RRSWG did a good job on their work plan. All the RRSWG recommendations were incorporated into the Vol. 2 of the three-year work plan.*

3. Overview of FERC's Standards Notice of Proposed Rule Making (NOPR)

David Taylor will lead a discussion on FERC's Notice of Proposed Rule Making regarding reliability standards issued on October 20 (**Attachment 6A**). Included will be a discussion relative the fill-in-the-blank standards as compared to the fill-in-the-blank standards identified in the RRSWG's fill-in-the-blank work plan (**Attachment 6B**).

Dave went through a presentation that was very similar to a presentation Gerry Cauley presented at the Planning Committee last week. Of all the standards, FERC put 24 into a pending mode. Many of these standards are applicable to RRO and RE – something FERC does not like. A general rule for the drafting teams moving forward will be that no requirements will be made of the RRO or RE. There was a discussion of paragraph 57 of the NOPR. Functions that the RRO/RE are assigned to do, must be given the authority through a contract or the Delegation agreement.

The CIP standards are not included in the NOPR. A preliminary FERC staff assessment of the CIP standards is now available.

4. RRSWG Efforts Moving Forward

With the completion of the Fill-in-the-blank work plan the group needs to establish its objectives for the foreseeable future. David Taylor will lead a group discussion relative to the goals of the RRSWG for 2007.

Dave discussed the original scope of this group. The RRSWG was originally formed to develop a work plan for revising the fill-in-the-blank standards. Dave would like to keep this group from disbanding, so there can be continued coordination between the regions for the 4 standards that RRSWG identified as fill-in-the-blank standards as well as a number of other activities.

For the first UFLS SAR drafting team meeting to be held January 22, each region will be asked to discuss their regional program.

Dave submitted an example of an announcement from a regional entity to NERC notifying NERC that the region plans to develop a regional standard. The example came from FRCC. (See Attachment 1.)

The Regions are expected to develop the 4 regional reliability standards. Beyond these 4 regional standards, Dave asked the group what the regions plan to submit as regional reliability standards going forward:

NPCC – (1) No ballots in 2007, waiting until the SPM is approved. One SAR in 2007, bulk power methodology. NPCC may take their more stringent criteria and create standards in 2008.

SERC – (1) Does not know at this time. They will need to create a standards committee. SERC will push to have the standards committee meet to put a timeline together on the standards the regions needs. They will start with the UFLS. Currently each subregion (5) of SERC has its own program. SERC may have the start of the continent-wide standard, since they have 5 perspectives. Does not plan to develop additional standards, but SERC have criteria that they will look at this to see if standards are needed.

SPP – () working on the process.

WECC – (8) tier one standards: listed under ‘due process’ on the WECC web site (www.wecc.biz). Plan to have these 8 in place by June. WECC will include their sanction matrix when they post these standards. There are additional standards in the RMS that are in different stages.

RFC- (4) Operating reserves is in the process of revision. Disturbance Monitoring Equipment is also close to the final commenting phase (second quarter). Planning reserve standards needs to have risk factors added (third quarter). UFLS standard is waiting for assessment/study information (third quarter). Gen coordination requirement standard will start after the first of the year (prc-24) – ‘ride through’.

ERCOT- (0) Not planning to develop any additional standards. Others will be developed through the criteria process and can be enforced by the state. (i.e., Gen coordination requirement criteria, start after the first of the year (prc-24) – ‘ride through’)

MRO – (5) standards in addition to the 4. Operating Reserve (40% Spin), this is an MRO Board approved standards with compliance monitoring starting January 1, but it will need to be revised with the addition of risk factors. Power System Stabilizer on 100MVA generators. Generation Planning Reserve, is the traditional LOLE of 1 day in 10. System Performance augmentation of Table 1 to make it more stringent. Subsynchronous Resonance assessment of system additions or enhancements that are added to the Bulk Electric System that have significant potential to excite sustained subsynchronous oscillations are planned, designed, and constructed to avoid creating a subsynchronous resonance condition.

FRCC – (5) A second draft of the UFLS standard will be sent out and should have an approved standard in 2007. Generation coordination requirement standard will start after the first of the year (prc-024) – ‘ride through’. Disturbance Monitoring Equipment, misoperation (prc-002/03), mod-024/25 will all be worked on and should be completed by June 2007.

5. Resource Adequacy SAR

The resource adequacy SAR drafting team is preparing to answer industry comments from the public posting of the resource adequacy SAR (**Attachment 5**) and has requested comments from the RRSWG. The RRSWG will develop comments on the attached SAR. Schedules permitting, the resource adequacy SAR drafting team might hold a conference call on December and possibly patch the RRSWG in for a discussion on fill-in-the-blank issues.

The RRSWG briefly discussed this item.

6. Underfrequency Load Shedding SAR and Regional Standard

David Taylor will lead a discussion on PRC-006, Underfrequency Load Shedding (UFLS), and NERC project 2007-01. David is the facilitator for NERC project 2007-01 which involves reliability standards PRC-006 PRC-007, PRC-008, and PRC-009. A SAR for NERC project 2007-01 (**Attachment 7A**) was presented to the SAC on November 20 proposing that the RRSWG be the SAR drafting team for this project. A separate standards drafting team will be organized once the SAR is finalized. Also reference **Attachment 7B, 7C, and 7D**.

Bob submitted an UFLS SAR request on behalf of the RRSWG and was noted as the primary submitter. The Standards Committee is encouraging the RRSWG to be a part of the drafting team. The Standards Committee has put out a request for additional volunteers. Dave discussed how often this group will meet. There will be a couple of face to face meetings and the rest of the meetings will be Webex.

7. NERC Regional Reliability Standards Processing Procedure

David Taylor will seek endorsement by the RRSWG of the draft NERC Regional Reliability Standards Evaluation Procedure (**Attachment 3**) describing the process NERC will follow once a proposed regional reliability standard is forwarded to NERC for approval and filing with FERC.

Dave led the discussion on this item. When the regional standard is far enough along in the regional process or approved by the regional BOD, the regional standards manager will submit the required information according to the regional process manuals to NERC to start their standards process. The RRSWWG agreed to extend the commenting periods in step 3 and 4. No additional changes were made to the procedure.

The RRSWG endorsed the procedure as modified.

8. Review of Action Items

David Taylor will review the action item list with the group and determine future assignments (**Attachment 4**).

Activities:	Action Items	Status:	Assigned To:
061213-01	• Send notice of the January meeting	• Pending	Dave
061213-02	• Remove information under the SPP regional standards page	• Pending	Dave
061213-03	• Send out new template for SAR and Standards	• Pending	Dave
061213-04	• NERC staff will attend regional standards committee meetings	• Pending	Dave
061213-05	• RRSWG members will send Dave 2007 regional standards committee schedule	• Pending	RRSWG
061213-06	• RRSWG meetings to be held at regional office	• Pending	Dave
061213-07	• January 2007 meeting agenda item is to investigate a common nomenclature for numbering regional standards	• Pending	RRSWG
061213-08	• Send letter to Regional Managers with a revised RRSWG charter/scope to include coordination between regions	• Pending	Dave
061213-09	• Update RRSWG roster on the NERC web site	• Pending	Dave
061213-10	• Send letter to Regions requesting that they develop a regional reliability standard for each of the 4 fill-in-the-blank standards	• Pending	Dave
061213-11	• Each region to discuss the current UFLS programs	• Pending	RRSWG
061213-12	• Projector for the March 2007 meeting	• Pending	Ken/Larry

061213-13	<ul style="list-style-type: none"> • Each region should keep the other members of the RRSWG informed of their progress with the development of their regional standards 	<ul style="list-style-type: none"> • Pending 	RRSWG
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9. Next Steps

The group will discuss and identify the next steps and establish future meeting dates and locations.

Next meetings:

- UFLS SAR drafting team meeting: January 22–23, 2007 in Austin, TX at ERCOT office (lunch at noon)
 - 1:00 p.m. to 5:00 p.m. on January 22nd
 - 8:00 a.m. to 2:00 p.m. on January 23rd
- RRSWG meeting: January 23–24, 2007 in Austin, TX at ERCOT offices (immediately following UFLS SAR DT meeting)
 - 2:00 p.m. to 5:00 p.m. on January 23rd
 - 8:00 a.m. to 4:00 noon on January 24th
- February Webex, if needed
- March 19–20, 2007 in Long Beach, CA (prior to the PC/OC meetings)
 - 2:00 p.m. to 5:00 p.m. on March 19th
 - 8:00 a.m. to 4:00 p.m. on March 20th
- SPP offices (Little Rock)
- WECC offices (Salt Lake City)
- RFC offices (Fairlawn)

Prepared by:
Larry Brusseau, MRO

Reviewed and submitted by:
David Taylor, NERC

Ladies and Gentlemen:

ANNOUNCEMENT: Notification of Acceptance of Regional Reliability Standard Development Requests

On November 29, 2006, the FRCC Operating Committee and Planning Committee accepted the following Regional Reliability Standards Development Requests:

FRCC Generator Gross and Net Reactive Power Capability Verification

FRCC Generator Gross and Net Real Power Capability Verification

Analysis of Misoperations of Transmission and Generation Protection System

FRCC Disturbance Monitoring Reporting Requirements

Participation in the development of a Regional Reliability Standard is open to any entity that is directly and materially affected by the reliability of the FRCC Bulk Power System. If you would like to participate in the development of any of these standards, please send your request to Anne Brown, at FRCCStandard@frcc.com by **Monday, December 11, 2006**.

The procedures governing the FRCC Standards Development Process are contained in the FRCC Regional Reliability Standards Development Process Manual which is posted on the FRCC public web site at www.frcc.com.

The success of the FRCC standards development process depends on stakeholder participation. We extend our thanks to all those who participate.

Please send questions to Linda Campbell at lcampbell@frcc.com or call 813-289-5644.