

## Regional Reliability Standards Working Group

January 23, 2007 — Noon lunch, meeting 1–5 p.m.  
January 24, 2007 — 8 a.m.–4 p.m.

Offices of the Electric Reliability Council of Texas  
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### Meeting Minutes

#### 1. Administrative Items

##### a. Meeting Notes

Kenneth Wilson of WECC was selected to take the notes for the meeting.

##### b. Introductions

The current roster of the working group was provided in **Attachment 1**. The members reviewed the roster information for accuracy.

##### Attendance

Patrick Huntley — SERC Reliability Corporation  
Robert (Bob) Millard — ReliabilityFirst Corporation  
Steven Myers — Electric Reliability Council of Texas, Inc.  
Farzaneh Tafreshi — Electric Reliability Council of Texas, Inc.  
Mak Nagle — Southwest Power Pool  
John E. Odom — Florida Reliability Coordinating Council  
Kenneth Wilson — Western Electricity Coordinating Council  
Guy V. Zito — Northeast Power Coordinating Council, Inc.  
David Taylor — North American Electric Reliability Corporation

##### c. Arrangements

Steve Myers reviewed the meeting arrangements.

#### 2. Review of Action Items from Last Meeting

David Taylor reviewed the following action item list developed at the December 2006 RRSWG meeting:

<b>Activities:</b>	<b>Action Items</b>	<b>Status:</b>	<b>Assigned To:</b>
061213-01	<ul style="list-style-type: none"> <li>• <b>Send notice of the January meeting</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complete</li> </ul>	Dave
061213-02	<ul style="list-style-type: none"> <li>• <b>Remove information under the SPP regional standards page</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complete</li> </ul>	Dave
061213-03	<ul style="list-style-type: none"> <li>• <b>Send out new template for SAR and Standards</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complete</li> </ul>	Dave
061213-04	<ul style="list-style-type: none"> <li>• <b>NERC staff will attend regional standards committee meetings</b></li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing (remove)</li> </ul>	Dave
061213-05	<ul style="list-style-type: none"> <li>• <b>RRSWG members will send Dave 2007 regional standards committee schedule</b></li> </ul>	<ul style="list-style-type: none"> <li>• Pending</li> </ul>	RRSWG
061213-06	<ul style="list-style-type: none"> <li>• <b>RRSWG meetings to be held at regional office</b></li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing (remove)</li> </ul>	Dave
061213-07	<ul style="list-style-type: none"> <li>• <b>January 2007 meeting agenda item is to investigate a common nomenclature for numbering regional standards</b></li> </ul>	<ul style="list-style-type: none"> <li>• Added to agenda for 01/23/07 meeting</li> </ul>	RRSWG
061213-08	<ul style="list-style-type: none"> <li>• <b>Send letter to Regional Managers with a revised RRSWG charter/scope to include coordination between regions</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complete</li> </ul>	Dave
061213-09	<ul style="list-style-type: none"> <li>• <b>Update RRSWG roster on the NERC web site</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complete</li> </ul>	Dave
061213-10	<ul style="list-style-type: none"> <li>• <b>Send letter to Regions requesting that they develop a regional reliability standard for each of the 4 fill-in-the-blank standards</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complete</li> </ul>	Dave
061213-11	<ul style="list-style-type: none"> <li>• <b>Each region to discuss the current UFLS programs</b></li> </ul>	<ul style="list-style-type: none"> <li>• Scheduled for 01/22/07 UFLS SAR DT meeting</li> </ul>	RRSWG
061213-12	<ul style="list-style-type: none"> <li>• <b>Projector for the March 2007 meeting</b></li> </ul>	<ul style="list-style-type: none"> <li>• Pending</li> </ul>	Ken/Larry
061213-13	<ul style="list-style-type: none"> <li>• <b>Each region should keep the other members of the RRSWG informed of their progress with the development of their regional standards</b></li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing (remove)</li> </ul>	RRSWG

Additional items were discussed.

FERC's ruling regarding NERC's Standard RR06-1-003 was reviewed and the impact on the regions and NERC were discussed.

The regional standards development procedures and coordination with NERC were discussed at the last Standards Committee (SC). Some of the members of the SC want more oversight regarding NERC's regional standard development process.

Each of the regional UFLS programs should be discussed at the UFLS standards drafting team meeting rather than the SAR drafting team meeting.

Dave Taylor suggested that NERC's drafting team guidelines be adopted by each region or at least reviewed.

The March meeting is in Long Beach, CA. Dave Taylor asked Kenneth Wilson to bring a projector to the meeting.

### **3. RRSWG Efforts Going Forward**

On January 8, 2007, Gerry Cauley issued a letter to the regional managers (see **Attachment 2**) requesting the continued support of the RRSWG. Assuming agreement, the RRSWG will discuss the governance of the RRSWG and open nominations for a chair and vice-chair of the group.

The letter indicated Dave Taylor will continue coordinating the efforts of the working group.

The question was asked whether RRSWG members should be part of the standards drafting team for the four standards identified as fill-in-the-blank standards. The fill-in-the-blank work plan indicated that RRSWG members would be part of the SAR drafting team.

The RRSWG needs to work on a scoping document. There is a scope statement posted on the internet. The SC has a very formal scope and the RRSWG could adopt a similar scope statement. The committee could refine the previous scope statement. The letter request contains items to be in the scope state.

**Action item:** Patrick Huntley was assigned to draft a scope statement for the next meeting.

#### 4. **WECC Regional Standards Request**

On December 22, 2006, WECC submitted a request to NERC to approve eight WECC regional standards (see **Attachment 3a**). On January 10, 2007, NERC posted for public comment the eight proposed WECC standards. David Taylor and Kenneth Wilson reviewed the proposed standards with the group (see **Attachments 3b–3i**).

WECC's intent is to request that NERC's board approve the standards and submit the standards to FERC for inclusion with the body of the NERC Reliability Standards. NERC staff has concerns regarding the use of WECC's sanction table and excuse of performance provisions. Dave Taylor indicated that he believes the regions will have a higher probability obtaining approval by NERC's board and FERC if the regional drafting teams follow NERC's drafting team guidelines. Dave Taylor recommended that each region adopt NERC's drafting team guidelines. One of NERC's goals is for all reliability standards to be as uniform as possible, following the NERC drafting team guidelines would assist in making all standards uniform.

Some of NERC's concerns regarding WECC's proposed regional standards were discussed. Also Dave Taylor reviewed lessons learned and refinements made to NERC's regional standards evaluation process as a result of WECC's request for approval of eight regional standards.

NERC staff will make its recommendation regarding requests for approval of regional standards to the NERC Board of Trustees based upon its regional standard evaluation procedure. NERC staff is willing to work with the regions so that the probability of achieving approval at all levels is maximized. The intent of the discussion is to help regions understand the process and make refinements in the process as appropriate.

#### 5. **Reliability Standards TPL-001 through TPL-004**

Mak Nagle was recently tasked with reviewing the planning section of the FERC NOPR (Section #12). While going through the section, he noticed that on page 431 (paragraph 1042) FERC staff is recommending "to include probable contingencies and sensitivities studies to "bracket" the range of probable outcomes (page 434, paragraph 1047) while conducting planning studies". Further, on page 435 (paragraph 1048), it discusses how these factors or events may be different in each region. Mak Nagle discussed whether

reliability standards TPL-001 through TPL-004 would qualify to be drafted as regional reliability standards.

Standards NOPR paragraph 1042 states FERC wants a more probabilistic approach in conducting planning studies. The regions may submit a more restrictive probabilistic approach to their planning standards. Some regions treat transmission on the same tower or in the same right-of-way differently. Should these standards be regional standards or national standards?

A standards drafting team is reviewing TPL-001 through TPL-004. The drafting team may just clarify the standards, clean up the criteria, or recommend a probabilistic methodology. Some of the drafting team members believe a probabilistic standard will be developed. Others believe a probabilistic approach will not work. The RRSWG was asked to observe the development of the TPL-001 through TPL-004 standards with project number 2006-02. There will be national transmission planning standards, but format and requirements are yet to be determined.

## 6. Disturbance Monitoring SAR and Regional Standard

The RRSWG recommended that reliability standard PRC-002 (Define and Document Disturbance Monitoring Equipment Requirements) and PRC-018 (Disturbance Monitoring Equipment Installation and Data Reporting) be a regional standard. PRC-018 (Disturbance Monitoring Equipment Installation and Data Reporting) is included in Project 2007-11 which is scheduled to begin early in 2007. David Taylor will be the NERC coordinator for Project 2007-11. The RRSWG previously agreed to draft the SAR for any project requiring the development of a regional standard. David Taylor will seek RRSWG input on the SAR for Project 2007-11. The RRSWG will draft the SAR for Project 2007-11 for submittal to the SC. Bob Millard agreed to the use of his name as the requester on behalf of the RRSWG for the SAR for Project 2007-11 regarding Disturbance Monitoring. The working group's name will be added to the SAR in support of drafting a standard.

The RRSWG will need to draft a SAR for BAL-002 (Disturbance Control Performance) operating reserve standard. Kenneth Wilson volunteered the use of his name as the requester on behalf of the RRSWG for the SAR for Project 2007-05.

**Action Item:** Dave Taylor is to develop and distribute draft SARs for comment for 2007-05 (Balancing Authority BAL-002) and 2007-11 (Disturbance Monitoring PRC-002 and PRC-018). The SARs are to be submitted to the SC in March. Bob Millard will be the person designated as the lead on the Disturbance Monitoring (PRC-002/PRC-018) SAR. Kenneth Wilson will be the person designated as the lead for the Operating Reserve (BAL-002) SAR.

## 7. Regional Standard Numbering System

During prior meetings of the RRSWG, the subject of regional reliability standard numbering came up and was discussed with no consensus being reached. At the December meeting of the RRSWG, it was requested that this topic be placed on the January meeting agenda with a goal of reaching consensus on this matter.

There are various methodologies and processes that could be used in a NERC numbering system. Some of the possible numbering systems used by the members are as follows:

- ERCOT                    1–4
- SERC                    SERC – LLL -### - R#
- RFC                     RFC LLL - ### - R#
- WECC                    LLL - STD - ### - R#

The working group is recommending the following number convention be accepted:

LLL – RRRRR – 5## - R# For example: BAL - RF – 501 – 2

Where:

- LLL is the same as the acronym for the NERC family of standards
- RRRRR is the region’s acronym.
- 5## is used when a unique regional standard is developed. The regional standard would start with a number greater than 500. If there is an existing NERC reliability standard that is a companion to the regional standard, the NERC number will be used.
- R# is the region’s revision number, not NERC’s revision number.

**Action Item:** Dave Taylor will draft and send a letter to the regions requesting that the above numbering convention be adopted by the regions.

**8. Underfrequency Load Shedding SAR and Regional Standard**

All of the RRSWG members in attendance at the UFLS SAR Drafting Team meeting were in attendance at the UFLS SAR Drafting Team meeting held on January 22–23. Therefore, this agenda item was not discussed due to time constraints.

**9. NERC Regional Reliability Standards Evaluation Procedure**

The SC reviewed the Regional Reliability Standards Evaluation procedure at its January 11–12, 2007 meeting. The SC recommended refinements to the document. In addition, the procedure was revised since the last RRSWG meeting due to recent activities. David Taylor updated the RRSWG on the status of the latest version of the procedure (see **Attachment 4**).

Section 300 of the Rules of Procedure dictates the items to be included in NERC’s Regional Reliability Standards Evaluation Procedure (see **Attachment 4**). The Regional Reliability Standards Evaluation procedure is now draft 11. The NERC staff will use this document in evaluating regional reliability standards.

Section 309 Rules of Procedure contains items required for a FERC filing. Refinements were made in draft 11 of the NERC Regional Reliability Standards Evaluation Procedure to make sure the proper FERC filing documentation is submitted.

**Action item:** Dave Taylor is to correct bullet number 1 under step 2 in the document to match the standards comment form included in the appendix of the document.

**10. NERC Regional Reliability Standards Web Page**

For the past few months, NERC has been developing its regional reliability standards Web page. David Taylor updated the group on the progress and requested feedback and information from each region.

Dave Taylor reviewed the NERC Regional Reliability Standards Web page and the standards development page for the regions. There are regional standards being developed that are not listed on the NERC Web page.

**Action item:** The regions are to e-mail to Dave Taylor the standards that are in the regional standard development process.

## 11. Review of Action Items

David Taylor will review the list of action items generated during the meeting and confirm assignments.

Activities:	Action Items	Status:	Assigned To:
070124-01	<ul style="list-style-type: none"> <li>Discuss the regions UFLS programs at the UFLS standards drafting team meeting.</li> </ul>	•	Dave
070124-05	<ul style="list-style-type: none"> <li>RRSWG members will send Dave 2007 regional standards committee schedule</li> </ul>	• Pending	RRSWG
070124-06	<ul style="list-style-type: none"> <li>Dave is to develop and distribute draft SARs for comment for 2007-05 (Balancing Authority BAL-002) and 2007-11 (Disturbance Monitoring PRC-002/PRC-018).</li> <li>These SARs need to be submitted to the Standards Committee in March.</li> </ul>	•	Dave, Bob, Kenneth
070124-07	<ul style="list-style-type: none"> <li>NERC Regional Reliability Standards Evaluation Procedure - Dave is to correct bullet number 1 under step 2 to match the form.</li> </ul>	•	Dave
	<ul style="list-style-type: none"> <li>Dave will draft and send a letter to the regions requesting that the regional reliability standards numbering convention be adopted.</li> </ul>	•	Dave
	<ul style="list-style-type: none"> <li>Kenneth is to bring a projector to the March meeting in Long Beach, CA</li> </ul>	•	Kenneth
	<ul style="list-style-type: none"> <li>Draft a RRSWG scope statement for the next meeting.</li> </ul>	•	Pat
	<ul style="list-style-type: none"> <li>RRSWG was asked to observe the development of the TPL-001 through TPL-004 standards with project number 2006-02.</li> </ul>	•	RRSWG

## 12. Next Steps

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

Next meetings:

- February WebEx — select date: The group had difficulty finding a date. Dave Taylor will send an e-mail to the group to identify a date with maximum participation.
- March 19–20, 2007 in Long Beach, CA (prior to the PC/OC meetings)
  - 2–5 p.m. on March 19th
  - 8 a.m.–4 p.m. on March 20th
- April WebEx — select date
- May — SPP offices (Little Rock)??

Future meeting sites:

- WECC offices (Salt Lake City)
- RFC offices (Fairlawn)