

**Southwest Power Pool**  
**SYSTEM PROTECTION AND CONTROL WORKING GROUP COMMITTEE**  
**MEETING**

**May 8-9, 2013**  
**Embassy Suites (Outdoor World) – Dallas, TX**  
**May 8 (1pm – 5pm)**  
**May 9 (8am – 12pm)**

• **MINUTES** •

**Agenda Item 1 – Administrative Items**

SPCWG Meeting

**Agenda Item 1- Call to Order and Introductions**

Chair Rick Gurley (AEP) called the System Protection and Control Working Group (SPCWG) meeting to order at 1:15 pm, welcomed everyone. There were 9 in-person participants and 6 teleconference participants. (Attachment – Attendance List). No proxies.

Approve minutes of previous meetings (Action Item)

The minutes from the January 30 – 31, 2013 meeting were reviewed. **Motion to approve the minutes was made by Forrest Brock (WFEC) and seconded by Bud Averrill (GRDA), the motion passed unanimously.**

Rick Gurley (AEP) presented the agenda for review and asked for any additions or corrections. (Attachment – Agenda)

**Agenda Item 2: Welcome New SPCWG Member - Tom Miller ITC Great Plains**

Tom Miller (ITC Great Plains) provided a brief work history of his career in the industry in the relay design group based out of Michigan. He has three years' experience in the field in installation, troubleshooting along with a myriad of areas. He did not have any direct responsibility for load trip. The information was provided to better align his areas of expertise when working with the SPCWG.

**Agenda Item 3: Review of Past Action Items**

Rick Gurley (AEP) discussed the Action Items list, which included the following topics.

Conference Call prior to MOPC meeting was completed in February, continued work on the SPP UFLS Plan, Forrest will look at the development of new standards, criteria and new protocols for gaps, for example PRC 5.3 & 2.7. Jason Speer and Jason Smith are leading at SPP and we are not far along enough yet; however wait for direction from SPP Staff. Discussed items for NERC subcommittee, which is always an open invitation and glad to bring back comments/concerns.

Rick asked members to give comments to Forrest on PRC 005 & 027. A question was asked, “Will PRC-001 exist after PRC-027?” PRC-001 will exist after PRC-027. PRC-001-3 will be posted after PRC-027 is posted. Only leave training requirement which will help alleviate the convoluted document by cleanup of PRC-001, FERC supports clean-up.

#### **Agenda Item 4: NERC SPCS**

Lynn Schroeder gave an update from the NERC System Protection and Control Subcommittee. This included the following presentations, TFORUM Preso on NERC SPCS 4 2013, Order\_754-Requests\_for\_Clarification\_and\_Responses\_01302013, SAMS-SPCS\_Order\_758\_Autoreclosing\_Report\_Final and SAMS-SPCS\_SPS\_Technical\_Reference\_Final. For the Order\_754-Requests\_for\_Clarification\_and\_Responses\_01302013 presentation discussion on looking for redundancy related to 3 phase faults or single faults. Biggest impact is out-of-step paper, which Rick mentioned there are lots more in depth studies and documentation expected. Lessons learned from misoperations much preferred than standard on commissioning on Page 16 in the SPCS\_Order\_758\_Autoreclosing\_Report\_Final. Forrest volunteered to cover for Lynn for Friday’s meeting.

#### **Agenda Item 5: Dempsey Ridge SPS Request**

Jay Caspary (SPP) raised awareness of Codes of Conducts and Confidentiality concerns to the SPCWG prior to Frank Bristol’s (Acciona Energy) presentation to the group. Dempsey Ridge Wind Project Special Protection System Description was modeled after the 8/12 Centennial Wind Farm. Frank met with SPP Staff in January 2013. In depth discussion on whether or not the description of the Dempsey Ridge Wind Project meets the requirements of a SPS. In depth discussion on the automated response vs. manual curtailment during the presentation, which prompted questions around the curtailment order and discussions on impacts to other wind farms and the processes other wind farms use. Frank was given a couple of items to add to the description around working with AEP, SPP and SPS to obtain an operating agreement. In solidifying an operating procedure, determine if misoperation and trips could be built into the operating procedure. A brief discussion on Option 1 as written not being a SPS and Option 2 could be a SPS if modified.

#### **Agenda Item 6: UFLS Plan Update**

Jay Caspary (SPP) discussed the MOPC meeting and MOPC Action Item. RCWG review and recommend compliance issues associated with the UFLS plan, including response to MRO letter, NPPD, LES and OPPD. Discussed setting up a conference call once the RCWG gives direction to SPCWG. Jay briefly discussed the RE Rollout Presentation. This information was to ensure that the SPCWG was aware that the RE will host a webinar on 6/27/2013 from 2 – 3 pm. Jason Speer briefly discussed what RE is expecting for PRC-006.

#### **Agenda Item 7: General Discussion**

Reclosing relays, requirements and testing was discussed in great detail. Bud Averill discussed failure to reclose if not a misoperation unless it's needed for stability, misoperations report and the new entry system. Thomas Teafatiller confirmed that the SPCS did approve revisions to misoperations template. For the DME requirements and where we are with NERC, comments period is open right now. This document was pulled from NERC's website for everyone to take a look at and make comments later if needed.

**Added Agenda Item 8: Misoperation Report**

Thomas Teafatiller (SPP) prepared the 4Q Misoperations Report and discussed the areas of improvement for SPP, as well as adding this report as a standing agenda item in the future. Thomas provided a detailed Misoperations Report dating back to the first quarter of 2011.

**Agenda Item 9: Summary of Action Items**

a.

	<b>Action Item</b>	<b>Date Originated</b>	<b>Status</b>	<b>Comments</b>
1.	Frank Bristol will work with Rick Gurley and AEP staff on his proposed option #1 scheme for Dempsey Ridge Wind Farm based on the SPCWG's conclusion that it would not be a Special Protection System.	5/8/2013		
2.	Jay Caspary will attend the May 20, 2013 RCWG meeting to gain approval and/or guidance on the SPP UFLS Plan	5/8/2013		
3.	Send out a request for a conference call after feedback from RCWG meeting on May 20, 2013	5/8/2013		
4.	Send the Misoperations Report to committee members prior to SPCWG meeting for their review.	5/9/2013		
5.	Include the Misoperations Report as a standing Agenda Item	5/9/2013		
6.	Begin to look into the root causes of why SPP has a higher number of communication failures	5/9/2013		
7.	Jason Speer to send the Southwestern Public Service Frequency Excursion event data to Harvey Scribner to work on any modifications if needed or additions of the Request for UFLS Event Data	5/9/2013		
8.	Follow-up with MDWG Chair and Staff Secretary in regards to the MDWG short circuit cases to determine a solution for the modeling issues between PSS/E cases and	5/9/2013		

	differences when converted to Aspen			
9.	Develop a format or template for entities to use if they were to experience an UFLS event	5/9/2013		
10.	Develop a format or template for entities to use for UFLS relay settings – Annually	5/9/2013		

**Agenda Item 9: Discussion of Future Meetings**

Rick Gurley (AEP) discussed the scheduled future meetings which will be August 7-8, 2013 and November 6-7, 2013.

**Agenda Item 10: Meeting Adjourned**

Rick Gurley (AEP) discussed upcoming meeting topics for the face to face meeting on August 7 – 8, 2013 meeting in Dallas, TX.

Respectfully Submitted,

*Dee Edmondson*

Attachments:



**Southwest Power Pool, Inc.**  
**System Protection & Control Working Group**  
**May 8, 2013 (1:00pm – 5 p.m.)**  
**May 9, 2013 (8:00 a.m. – 12:00 p.m.)**  
**Embassy Suites Outdoor World-Grapevine, TX**

• ATTENDANCE LIST •

Name/Company	Email Address
Thomas Teafatiller SPP RE	tteafatiller.re@spp.org
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Tom Miller ITC	tomiller@itctransco.com
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Jay Caspary SPP	jcaspary@spp.org
End Del Edmondson SPP	dedmondson@spp.org
Brent Carr NECC	
Ken Zlatarow City Utilities	
Louis CLEC	
Jason Speer SPP Staff	
Harvey Scribner SPP Staff	
Tom Miller	
Lynn Schnoder WR	



**Southwest Power Pool, Inc.**  
**SYSTEM PROTECTION AND CONTROL WORKING GROUP and SPP REGIONAL**  
**STANDARD DEVELOPMENT MEETING**

**May 8-9, 2013**  
**Embassy Suites (Outdoor World) – Dallas, TX**

**• A G E N D A •**

**May 8 (1p.m. – 5p.m.)**  
**May 9 (8a.m. – 12p.m.)**

1. Administrative Items ..... Rick Gurley
  - a. Call to order
  - b. Proxies
  - c. Approve minutes of previous meetings (Action Item)
    - i. January 30-31, 2013
  - d. Approve agenda
  
2. Review of Past Action Items .....[Click here and type presenter name]
  
3. NERC SPCS.....Lynn Schroeder
  - a. Order\_754-Requests\_for\_Clarification\_and\_Responses\_01302013
  - b. SAMS-SPCS\_Order\_758\_Autoreclosing\_Report\_Final
  - c. SAMS-SPCS\_SPS\_Technical\_Reference\_Final
  
4. Dempsey Ridge SPS Request .....Frank Lambert
  
5. MOPC Action Item ..... Rick Gurley
  - a. RCWG review and recommend compliance issues associated with the UFLS plan, including response to MRO letter, NPPD, LES and OPPD.
  
6. General Discussion ..... Bud Averill
  - a. Reclosing relays, requirements and testing
  - b. Misoperations report and the new entry system
  - c. DME requirements – where are we with NERC?
  
7. Misoperations Report.....Thomas Teafatiller

- 8. Summary of Action Items ..... Doug Bowman
- 9. Discussion of Future Meetings ..... Rick Gurley
  - a. August 7-8, 2013
  - b. November 6-7, 2013
- 10. Closing Administrative Duties ..... Rick Gurley
  - a. Summarize Action Items
  - b. Discuss upcoming meeting topics
  - c. Next Meeting: August 7-8, 2013
  - d. Adjourn meeting