

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

**July 12-13, 2017**  
**Embassy Suites, Bass Pro Drive**  
**Dallas, TX**

• M I N U T E S •

**Agenda Item 1: Administrative Items**

Call to Order and Introductions

Chair, Louis Guidry, called the meeting to order at 1pm and welcomed everyone. There were 19 participants, 13 in person and 6 via webex. (Attendance List Attached).

Proxies

None

Approve minutes of previous meetings (Action Item)

The minutes for the April, 19-20, 2017 meeting were reviewed and unanimously approved

Approve agenda

The agenda for the meeting was reviewed and two items, “PRC-026 Update” and “Short Circuit Models” were added and unanimously approved.

**Agenda Item 2: Review of Past Action Items**

Doug Bowman reviewed the action items through item 87 and noted status updates.

**Agenda Item 3: NERC Update**

Forrest Brock reviewed the meeting minutes for the April 19, 20, 2017 SPC Subcommittee meeting. Forrest noted the IEEE I-25 Commission Testing document that is nearing completion. NERC is putting together a final filing saying that there is sufficient information included in the document. Forrest also talked about the implementation guidance document for PRC-024-2. The next SPC Subcommittee meeting is late July, 2017.

Jonathan Hayes talked to the group about the upcoming TPL-001-5 with respect to single point of failure of protection systems. Jonathan noted that the studies won't be impacted but the Corrective Action Plans will. The first formal commenting period for the standard is the September – November time frame.

#### **Agenda Item 4: Comments on Modifications to PRC-025-1**

Louis reviewed the NERC powerpoint discussing the PRC-025 modifications. It was noted that the vote will be completed by September.

#### **Agenda Item 5: Misoperations**

- a) Misoperations Report: Thomas presented the member misoperations for Q1 2017. Thomas noted that for Q1, SPP's misoperations overall were good. Correct operations were at 91.6%, just below the 92% threshold.
- b) Misoperations Guidance Document: Louis Guidry explained the Misoperations Guidance Document that he sent out last quarter to assist in identifying sub-causes. The document is intended to help us and the members get better at reporting misoperations. DB downloaded the MIDAS reporting template from the NERC website and sent to the members. Louis took a few suggestions and will update the guidance document accordingly.
- c) Misoperations Summit –The 2<sup>nd</sup> Misoperations Summit will be held in Kansas City on October 19. Registration is available on the SPP website. The SPCWG meeting will be the day before on the 18<sup>th</sup>. Louis noted that they are beginning to plan the topics over the next month. It is hoped that technical details will be covered. Lessons learned will also be discussed. Louis requested volunteers to help organize the summit and noted that SME's should be asked to see what they would like to see. One question is, what is a misoperation?
- d) Review of Misoperations: There was considerable discussion about how to organize the misoperations. Since there wasn't time to go through the misoperations, a better way to do the review was sought. After much debate, the following decision was made:
  - a. TT to transpose misoperations spreadsheets and store in an EFT server. The group will send him their contact information so they can access the sheet.
  - b. The individual groups will look at the quarterly misoperations and resolve any issues with the issue owner.
  - c. Any issues that cannot be resolved will be resolved by the group in a scheduled webex before the next meeting.
  - d. If a change is required, the owner of the misoper will make the change to the MIDAS data.

Data prior to Q1, 2017 will not be changed in MIDAS at this time.

#### **Agenda Item 6: PRC-026 Update**

Jonathan Hayes discussed the upcoming requirements for PRC-026. The standard doesn't come due until the first of 2018. SJ is putting together the list (R1) of system vulnerabilities because R2 is dependent on this notification (list). The list probably doesn't exceed 30 items. The compliance clock will start early. It was noted that R2 doesn't come effective until January 2018. Jonathan commented that it is up to the individual entity's interpretation. Load responsive relays in the areas noted on the list is what's at issue.

### **Agenda Item 7: Short Circuit Models**

Tom Miller asked how the members were using the short circuit models that are produced by SPP. Rick noted that they convert the PSSE models to aspen, which is an arduous task. Absences of data are frequently noted. Sometimes the SPP models, the zero sequence data is absent. He noted that it's usually not put into MOD by the member.

Tom Miller also since 2014 the conversion from PSSE to Cape hasn't worked correctly. He has contacted CAPE and they said it was a PSSE issue. DB will set up a call between DB, TM, SPP modeling and a CAPE contact to resolve the issue.

### **Agenda Item 8: EPRI Project 40-018A**

Doug provided details on this EPRI Relay project FYI. He noted that their participation in the project was required if they wanted the results.

### **Agenda Item 9: Discussion of Future Meetings (Proposed Meeting Dates)**

- Future Meeting Dates and locations
  - October 18 Kansas City, MO at KCPL Offices
  - January 24,25 Dallas, TX, Embassy Suites Bass Pro
  - April 25, 26 Little Rock SPP Office

### **Agenda Item 12: Closing Administrative Duties**

The action item list was updated and summarized by Doug Bowman. Louis asked everyone to think about future topics for upcoming meetings. Louis suggested that Jonathan give update on PRC-027 and review its implementation at our next meeting. Steve suggested that we follow up with SPP on PRC-026 as well.

The meeting was adjourned.

**Respectfully Submitted,**

**Douglas Bowman  
SPCWG Staff Secretary**

**ATTENDANCE**

Southwest Power Pool, Inc.  
 SYSTEM PROTECTION AND CONTROL WORKING GROUP MEETING  
 July 12-13, 2017  
 Embassy Suites Outdoor World – Dallas, TX

• ATTENDANCE LIST •

Name	Company
Louis C. Guidry	Cleco
FORREST BROCK	WFEC
Rick Gurley	AEP
Matthew Thykkuttaluk	SEPC
Gary Condict	SEPC
Tom Miller	ITC
Kevin Thompson	ITC
Shawn Jacobs	OGE
Ken Zellefrow	CU
John Anderson	Westar
Allen Halling	KCPH
Janelle Hayes	Southwest Power Pool
Doug Bowman	Southwest Power Pool

→ On the phone:

• Steve Wadas	NPPD
• David Wheeler	Xcel
• Bob Saper	WAPA
• Thomas Teatiller	SPP RE
• Robert Hershack	Cleco
• David Oswald	Empire District