

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

**April 19-20, 2017**  
**Oklahoma City, OK**

**• 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 21 participants, 13 in person and 8 via webex. Louis welcomed new members Allen Halling (KCPL), Jeff Beasley (GRDA), and John Anderson (Westar) to the group. (Attendance Lists Attached).

Proxies

None

Approve minutes of previous meetings (Action Item)

The minutes for the January, 18-19, 2017 meeting were reviewed and unanimously approved

Approve agenda

The agenda for the meeting was reviewed and unanimously approved.

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

Doug Bowman reviewed the action items through item 85 and noted status updates.

**Agenda Item 3: Review of Lebrock Generator Tripping Scheme for RAS**

Rick Gurley discussed the generator tripping scheme at the Lebrock station. SPP had determined it was not an SPS. Since the definition of an SPS has changed and is now designated as a Remedial Action Scheme (RAS). Rick inquired whether it should now be considered a RAS. The current scheme avoids instability before it occurs. Thermal overloading isn't an issue. The RAS definition on the NERC website was discussed. Rick provided a synopsis of the stability study produced by the AEP Studies group for the given scenario where instability occurs. The SPCWG group consensus was that it should not be considered a RAS since the NERC definition according to exception "e" isn't met and the instability of the Harrison East units is a local issue. It was suggested that Rick take the issue before the TWG and the ORWG to get their feedback. Doug will work to coordinate with these groups.

**Agenda Item 4: Oklaunion RAS 5 Year Review**

Rick Gurley explained the RAS area and the operation. The issue is high voltage at Oklaunion due to HVDC Back-to-Back tie and 160 mile AC line to Tuco. The existing RAS mitigates the voltage problem. Rick reviewed all the RAS documents and spreadsheets and sought approval from the SPCWG to renew the RAS approval. Steve Wadas motioned for approval and Ken Zellefrow seconded. The SPCWG voted and gave unanimous approval.

### **Agenda Item 5: Springfield Reactor**

Louis Guidry discussed the reactor as appearing to be a RAS and questioned whether it would be automated or operator assisted. Ken Zellefrow explained that high voltage was problematic at the Brookline station during shoulder months which made the reactor necessary. The bank will be 50MVAR. A RAS will not be required.

### **Agenda Item 6: Misoperations**

- a) Jeff Rooker presented Q4 2016 misoperations data. It was noted that the success rate was 85% because less operations were occurring and since the threshold is 92%, it appeared that SPP would be penalized for reduced operations. Louis Guidry commented that more discussion was needed and the issue would be noted at the upcoming Fall Misoperations Summit, which will be held August 31, 2017 in Kansas City, MO at the KCPL office.

Ken Zellefrow asked what were major causes of unnecessary trips other than a fault? Equipment failure, earthquakes, ct failure, etc. Is this something we should further examine? Louis Guidry commented that yes, the group should look into it.

- b) Misoperations Summit –Louis reviewed an SPP presentation on Misoperations. The document reviewed the purpose, focus, participation, and results of the first summit, Activity since that summit were also discussed. Finally, potential next steps were provided. As noted in item “a” above, the 2<sup>nd</sup> Summit will be held in Kansas City. Doug Jackson (GRDA) also provided comments on the recent Reliability First Misoperations Meeting.

It was suggested we move the October SPCWG meeting from Dallas to Kansas City and schedule it adjacent to the 2<sup>nd</sup> Summit meeting. The afternoon of October 30<sup>th</sup> and the morning of the 1<sup>st</sup> was suggested since the Summit was on the 31<sup>st</sup>. Allen Halling will check on meeting space availability at the KCPL offices.

- c) Louis noted the 2<sup>nd</sup> misoperations whitepaper was endorsed by MOPC at their last meeting.
- d) There was some confusion about requirements for populating the misoperations spreadsheets and most groups weren't ready to consolidate into one document. It was decided that the groups should go through assigned Q3 and Q4 misops, subcauses and sub-subcauses identified and return to DB by the end of May. If questions arise, contact the owners and clarify. LG will send out what will be required for subcauses and sub-subcauses. DB will consolidate the info and set up a webex for end of June to review.

### **Agenda Item 7: Other Business**

None

### **Agenda Item 8: Discussion of Future Meetings (Proposed Meeting Dates)**

- Remaining 2017 Meeting Dates and locations
  - July 12 & 13 in Dallas, TX
  - October 18 & 19 Dallas, TX

## 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.  
The meeting was adjourned.

Respectfully Submitted,

Douglas Bowman  
SPCWG Staff Secretary

### ATTENDANCE

<u>Upson</u> Name	Company
Ken Zellefrow	City Utilities, Springfield, MO
Allen Halling	KCP&L
Rick Gurley	American Electric Power
Steve Wodes	NPPD
David Wheeler	Xcel Energy
Louis Gundry	Cleco
Doug Bowman	SPP Staff
Shawn Jacobs	Oklahoma Gas & Electric
Gary Condict	Sunflower Electric Power Corp.
Jeff Beasley	GRDA
David Oswald	Empire District
John Anderson	Westar Energy
Mathew Ty	SUNC
<u>On the phone:</u>	
Jeff Rooker	SPP RE
Tom Miller	ITC
Bob Soper	WAPA
Bret Bedford	AEP
Kevin Goolsby	GDS Assoc.
Robert Hirschak	Cleco
Derik Komada	SUNC
John Boshears	CUA