

Southwest Power Pool
SYSTEM PROTECTION AND CONTROL WORKING GROUP
MEETING

July 25 & 26, 2018
Xcel Offices, 1800 Larimer St.
Denver, CO

• M I N U T E S •

Agenda Item 1: Administrative Items

Call to Order and Introductions

Vice Chair, Louis Guidry, called the meeting to order at 1pm and welcomed everyone. There were 20 participants, 13 in person and 7 via webex. (Attendance List Attached).

Proxies

Michael Fleck is proxy for Tom Miller (ITC)

Approve minutes of previous meetings

The minutes for the April, 2018 meeting were reviewed and the group unanimously approved.

Approve agenda

The agenda for the meeting was reviewed. Items 9a and 11b were added. (Final Agenda Attached)

Agenda Item 2: Antitrust Statement

Doug provided the following SPP Antitrust Statement to the Group:

“SPP strictly prohibits use of participation in SPP activities as a forum for engaging in practices or communications that violate the antitrust laws. Please avoid discussion of topics or behavior that would result in anti-competitive behavior, including but not limited to, agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition”

Agenda Item 3: Review of Past Action Items

Doug Bowman reviewed the past action items. Many of the open items were marked complete and the remaining ones were on the agenda to be discussed. These action items were re-visited at the end of the meeting along with new ones.

Agenda Item 4: SPCWG Charter Review

Doug Bowman provided the existing charter. Mimi Xavier suggested NERC be spelled out in the Purpose statement, and add (SPP) after Southwest Power Pool in the first sentence. The group recommended the following: Scope of Activities Item #3 should be removed. Item 4 will be modified to say “Work with SPP registered functions as well as various working groups within SPP on....” Remove last sentence of purpose statement. Add “In addition, SPCWG is

responsible for providing technical guidance to SPP members with respect to protection and control systems.” Remove “and no more than twelve”.

Doug will send out a red-lined version to the members for an email vote later this quarter.

Agenda Item 5: SPCWG Leadership Succession 2019

Doug provided the group with a copy of the SPP Org Group Chair Nomination Process & Election Schedule and discussed the new method for Chair succession. The new process will apply going forward. Doug will send out the nomination forms to the members for Chair nominations for 2019/2020. The nominations will then be gathered and the SPCWG will provide its recommendation.

Agenda Item 6: SPPRE Status Update

Doug commented that there was no one left at the SPPRE except a few upper level management tying up loose ends. The SPPRE’s final day will be August 31, 2018.

Agenda Item 7: NERC SPCS Update

No meeting have been held since the April SPCWG meeting. The next meeting is next week at MRO headquarters. Numerous agenda items of importance will be discussed. Forrest will give an update at our October meeting.

Agenda Item 8: PRC 012-2, Implementation

Steve noted that there was a question in our last meeting about R5 and the implementation plan. Jonathan advised that SPP Staff should look at this since the PC studies will need to incorporate RAS schemes in the future. The Compliance and Advanced Studies group has received the SPCWG RAS requirements spreadsheet to verify that these requirements are sufficient. Louis requested clarification of what is intended by R8, Functional Tests. Forrest Brock will bring this up at the SPC meeting next week to see if any clarity can be given.

Agenda Item 9: PRC 002-2, R3 Discussion

Louis asked about R3 fault recorder requirement. He noted that if an entity wanted to use a SEL relay for this, the data will be captured but is cross triggering required? Reading the standard, it appears you can’t use the relays without cross triggering. Fault recorders are cross triggered but relays will need to be configured to do it.

Michael Fleck provided a diagram showing a 6 terminal bus. Ken explained that if a fault exist on line D1 and a digital relay on the line captures everything needed, it would not cross trigger to capture information on the other terminals.

Bus B and the line to the autotransformer are not considered BES elements and the transformer doesn’t need to be monitored. But does D4 (since this breaker is a BES element) need to be monitored, or can it be calculated?

Since the group was unable to come to consensus on the cross triggering question, all members were asked to take Michael's example and provide feedback at the October meeting.

John Allen recommended that the process for determining BES buses provided to the SPCWG. Doug will ask the CAS team to present at the October meeting.

Agenda Item 10: Criteria Section 8 Revisions

Forrest commented that the other working groups (TWG) advised that the RR be put together first and pushed through the process. Jonathan Hayes advised that the working groups look at it first. Forrest then proposed a sub-working group to look at the question and hash it out with everyone that needs to be involved. There appears to be a lot of interest in this from other groups. Forrest will take the lead on the sub-working group. Ken Zellefrow, Jonathan Hayes, Jeff Beasley, Louis Guidry, and Shawn Jacobs will participate in the sub group. The sub group will get together and reach out to the working groups and others to resolve the issues and put together an RR. The RR will be presented at the October meeting.

Agenda Item 11: Misoperations

- a) Misoperations Report: Thomas Teafatiller provided the member misoperations for Q1 2018. Thomas will no longer be providing the reports as he no longer works for SPP.
- b) Quarterly Reporting to MRO: Steve provided MRO's internal misoperations reporting procedure. The group discussed what was contained in the document. Louis noted that SERC has similar procedures.
- c) Misoperations Data Transition: - Louis recommended that since MRO and SERC both report misoperations, it doesn't make sense for the SPCWG do it as well as it would be duplication of effort. However, members of SPCWG should participate in the MRO and SERC meetings.
- d) NERC MIDASWG Data Reporting Instructions (DRI): Louis provide a NERC presentation on what NERC is doing with respect to misoperation reporting instructions. Louis also provided his documented thoughts on the definition of composite protection systems. SPCWG member questions with regard to reporting were encouraged and these questions should be submitted to let the DRI team answer them. Louis will provide updates to the group with the DRI progress.
- e) Misoperations Flowchart Tool Review and EPRI Categorization Tool Update – Adrian demonstrated the Misoperations Categorization Flowchart tool for the group. The tool is meant to automate the process of determining and reporting the classification of user misoperations. The group suggested a few minor edits. Louis suggested the group test the tool individually and contact Adrian if further issues are found. He also suggested that instead of a Summit in 2018, we launch the tool to SPP and the industry in the fall.

Agenda Item 12: Three Terminal Line Discussion

Rick Gurley said ERCOT will no longer allow 3-terminal lines to be designed or constructed. This directive took effect at the end of May. This primarily applies when an IPP requests connection and they need it quickly, meaning there is no time to build an interconnection substation. This is a protection issue. Rick asked what was SPP's stance on the issue? Doug said there was no stance as it hasn't been discussed. Doug informed the SPCWG that should it desire to make a similar recommendation, it would need to move through the TWG, ORWG, and MOPC for approval.

The group decided that it would like to better understand the related issues. Rick Gurley will put together a background information paper and bring it back to the group at the next meeting.

Agenda Item 12: Discussion of Future Meetings (Proposed Meeting Dates)

- Future Meeting Dates and locations
 - October 24,25 Dallas, TX, Downtown AEP Office
 - January 23,24 Dallas, TX, Downtown AEP Office

Agenda Item 13: Closing Administrative Duties

The action item list was updated to reflect nine (9) new action items and these were summarized by Doug Bowman (Action Items Attached).

Louis asked for additional discussions and none occurred. The meeting was adjourned.

Respectfully Submitted,

Douglas Bowman
SPCWG Staff Secretary

Attendance:



Southwest Power Pool, Inc.

SYSTEM PROTECTION & CONTROL WORKING GROUP MEETING

July 25-26, 2018

Xcel Offices - Denver, CO

• ATTENDANCE LIST •

26 th Thursday	25 th Wednesday	Name	Company
(check marks)	✓	Doug Bowman	SPP
	✓	Louis C. Guidry	Cleco
	✓	Jeff Baasley	GRDA
	✓	David Oswald	Empire District
	✓	Gary Condict	Sunflower
	✓	Matthew Thylkuttathil	Sunflower Electric
	✓	John Anderson	Energy Western
	✓	Jonathan Hayes	Southwest Power Pool
	✓	MIMI XAVIER	CAUC
	✓	Steve Wadas	NPPD
	✓	Rick Gurley	AEP
	✓	David Wheeler	Xcel Energy
	✓	FORREST BROCK	WFEC

On the phone:

✓	Shawn Jacobs	THURS A.M.	OKGE
	Michael Fleck		ITC
✓	Doug Jackson	• Scott Williams Springfield	GRDA
✓	Bob Soper	• Ken Zella Zella	WAPA
✓	John Allen		Springfield
✓	Adrian Kelley Sayed Ahmad		EPR1 FER1