

Southwest Power Pool
SYSTEM PROTECTION AND CONTROL WORKING GROUP
MEETING

January 18-19, 2017
AEP Offices
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 28 participants, 14 in person and 12 via webex.
(Attendance Lists Attached).

Proxies

None

Approve minutes of previous meetings (Action Item)

The minutes for the October 25, 2016 meeting were reviewed. Ken Zellefrow motioned and Shawn Jacobs seconded to approve.

The NextEra RAS was unanimously approved in earlier email vote. It was noted that NextEra has withdrawn their RAS request as upgrades are now in progress to obviate the need.

Approve agenda

The agenda was reviewed and approved.

Agenda Item 2: Review of Past Action Items

Doug Bowman reviewed the action items through item 83.

Agenda Item 3: NERC Update

Thomas Teafatiller updated the group on NERC PRC-0023 and PRC-0024 compliance guidance documents. FERC wants standard SPCS reference document on testing/ commissioning. 75 MW is threshold. With risk-based environment, they may decide against a threshold, but it doesn't affect the plan. NERC meeting next week.

Agenda Item 4: PRC-026-1 "Relay Performance during Stable Power Swings" R1 effective date for PC

Effective date is 1/1/18. Steve Wadas asked who (at PC) is assigned the task. Scott responded that his group, Compliance Studies, is the group now responsible. What date is the PC aiming for with respect to Requirement 1? Scott Jordan commented that his team is working on the draft procedure document. The UFLS assessment redesign will be done in 2019.

With respect to R2.2, Steve asked if event analysis for major events will be applicable? No comments given as staff is focusing on R1.

Doug Bowman discussed last meeting's request to populate data for a generic pss/e relay model. Charles & Scott to look closer into this to determine if it is something that is needed. See action item 82. It was noted that a generic relay for zone 2 would be best.

Agenda Item 5: RAS Submittal Checklist Status

TWG provided their input at their last meeting and the ORWG changes to the checklist were accepted by the group. Forrest Brock motioned to approve the checklist and Ken Zellefrow seconded the motion. The group approved.

Agenda Item 6: Organizational Effectiveness Survey

The group reviewed the survey.

Agenda Item 7: Misoperations

- a) Thomas Teafatiller updated the group on misoperations for Q3 2016. SPP has an 88.7% success rate where the NERC goal is 91.8%. A couple of new slides were added showing data in a different way.
- b) Misoperations Summit – Louis talked about the Summit that occurred in November at SPP. Gary Condict talked about the Summit discussions involving the definition of a misoperation. Jeff Beasley commented that some misoperations are needed and 92% is not a NERC recommendation but companies may require it. Jeff Beasley said that the industry and NERC have opposing goals.
NERC's takeaways from the Summit:
 - What are misops?
 - Protection schemes that should operate
 - 92% requirementShawn Jacobs asked how should misoperations be weighted.
Additional Summit will follow in the summer or fall 2017.
The group inquired about RCWG takeaways from the Summit. Information forthcoming.
- c) The group worked on making edits to the whitepaper and made good progress. A few items needed to be completed outside the meeting and Forrest Brock volunteered to make the final changes and send to the group. The whitepaper will be presented to MOPC for their endorsement in their April meeting.
- d) Thomas asked for volunteers for a Misops evaluation subgroup to look at quarterly misoperations. Shawn suggested all members look at Misops each quarter. The group worked on putting together groups to look at them each quarter. The result was as follows:

Group 1: Jeff Beasley (GRDA) and Doug Jackson (GRDA)
Group 2: David Wheeler (Xcel) and Gary Condict (SUNC)
Group 3: David Oswald (EMDE) and Randall Wilmeth (Xcel)
Group 4: Mike Hughes (SPP RE) and Thomas Teafatiller (SPP RE)
Group 5: Rick Gurley (AEP) and Steve Wadas (NPPD)
Group 6: Forrest Brock (WFEC) and Mathew Thykkuttathil (SUNC)
Group 7: Shawn Jacobs (OKGE) and Brent Carr (AECC)
Group 8: Bob Soper (WAPA) and Tom Miller (ITC)
Group 9: Ken Zellefrow (SPRM) and Louis Guidry (Cleco)
Group 10: Derek Vonada (SUNC) and Scott Paramore (SUNC)

Thomas Teafatiller will send quarterly misoperations to Doug Bowman, who will in turn will forward to the groups. The total number of misoperatoins will be divided among the ten groups. For example, if there are 80 misoperations for the quarter, Group 1 will evaluate misops #1 to #8. Group 2 will evaluated # 9 to #16, and so on and so forth. The groups will evaluate the misoperations for errors, omissions, and clarification before the next meeting and be ready to discuss them.

Agenda Item 8: Synch-Check relays locations

Doug Bowman asked the group about the locations of system synch check relays. SPP operations people were inquiring about it.

Locations: all breakers >100kv except radial with limits

Limitations: range of voltages, phase angle. This is automatic operation (SCADA)

Any more info may require the question to go through TWG

Agenda Item 9: EPRI's EMP Project results

Doug Bowman gave a presentation on Electromagnetic Pulse and where the industry stands on the subject with respect to current research.

Agenda Item 10: Other Business

None

Agenda Item11: Discussion of Future Meetings (Proposed Meeting Dates)

- 2017 Dates and locations
 - April 19 & 20 in Oklahoma City, OK
 - July 12 & 13 in Denver, CO
 - 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

SPCWG Meeting
Dallas, Tx
1/18, 19/2017

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