

Southwest Power Pool
SYSTEM PROTECTION AND CONTROL WORKING GROUP
MEETING

November 6-7, 2013
Embassy Suites (Outdoor World) – Dallas, TX
November 6 (1pm – 5pm)
November 7 (8am – 12pm)

• M I N U T E S •

Agenda Item 1: Administrative Items

SPCWG Meeting

Item 1a: Call to Order and Introductions

Chair, Rick Gurley (AEP), called the System Protection and Control Working Group (SPCWG) meeting to order at 8am and welcomed everyone. There were 14 in-person participants and 9 teleconference participants. (Attachment – Attendance List).

Item 1b: Proxies

There are no proxies for this meeting.

Item 1c: Approve minutes of previous meetings (Action Item)

The minutes from the August 6 - 7, 2013 meeting were reviewed. The minutes were unanimously approved.

Item 1d: Approve agenda

Rick Gurley (AEP) presented the agenda for review and asked for any additions or corrections. The agenda was unanimously approved.

Agenda Item 2: Review of Past Action Items

Doug Bowman (SPP) reviewed and updated the status of action Items 1 through 10, which are shown in the table for agenda item 8.

Agenda Item3: Disturbance Monitoring

Jack Soenhern of ITC Holding presented on the status of NERC Project 2007-11 - Disturbance Monitoring Standard

- Draft PRC-002-2 Disturbance Monitoring and Reporting Requirements Presentation
- 45 day ballot Dec. 6 – Dec 16
- Comment period is open thru Dec. 16

Agenda Item 4: Review of NERC Issues

Lynn Schroeder provided an overview of the NERC SPCS planning committee meeting notes. Suggestion was made for a possible future presentation on geomagnetic disturbances (GMD).

Agenda Item 5: 2014 UFLS Update

Harvey Scribner (SPP) discussed:

- 2013 request for data notice sent out
 - Significant amounts of data received during the first window (thru October 31)
- SPP's UFLS island to include Nebraska – done
- Event date request form is being reviewed
- 2014 UFLS study – Cleco/LAFA/LEPA issues not yet resolved
- Louis Guidry commented that Cleco's intention is to remain in SPP
- A conference call will be needed to clarify LAFA/LEPA/WAPA direction
- AECC loads inside and outside SPP footprint will need to be reviewed

Agenda Item 6: DS Cornerstone SPS Proposal

Ray Harold of PWG Solutions presented information on DS Cornerstone's SPS Proposal

- 12 Scenario events to be studied and planned
- Ray presented only 1 of the 12 scenarios
- The problem and the SPS solution was presented
- The SPS will trip a portion of each wind farm instead of tripping the whole unit off or curtailing the wind farm for N-1-1.
- They will put in a radio to enhance communications. Two radios will be used for redundancy.
- Could use a second technology for 2nd communication path.
- Only if you lost both would you have to do that (contact SPP operator?)

Agenda Item 7: Short Circuit Case Ownership

Peter Belkin of AEP led the discussion on issues with short circuit cases:

- Planning and short circuit horizons are different
- Cases needs to be reviewed by system protection
- Things change quickly in the protection and control arena
- Anthony Cook of MDWG described the model building process
- Discussed the possibility of a SC working group
- Discussed issue of SC data update for adjacent areas not getting into a given area's case.
- Almost all members use their own SC models for studies
- Upcoming TPL requirements call for studies to be performed by the PC
- Where to go from here?? (comments)
 - SC task force to do investigation of existing issues and what needs to be done.
 - Need scope to be put together now
 - Setup a CC to work on getting a charter and bring it to the next meeting

Agenda Item 8: Misoperations, 2nd Quarter 2013

Mike Hughes presented information on Misoperations

- Communications failures and incorrect settings are the leading cause of misoperations
- SPP had highest percentage of misoperations when compared to other regions

We tabled communication failure categorization due to time constraints. Each entity will work on their own and then bring to next meeting.

Agenda Item 9: BES Definition Drafting Team Progress Presentation

Phil Fedora of NPCC gave the presentation:

- Brief summary of BES definition update
- Project 2010-17
- Ballot for Phase 2 is open until 10/29/2013

Agenda Item 10: SPS Categorization

The group went through the most up-to-date list of SPSs and categorized each one.

Agenda Item 11: Summary of Action Items

Action Item	Date Originated	Status	Comments
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	Complete	Has been handed to AEP Planning group
Jay Caspary will attend the May 20, 2013 RCWG meeting to gain approval and/or guidance on the SPP UFLS Plan	5/8/2013	Complete	Approval obtained
Send out a request for a conference call after feedback from RCWG meeting on May 20, 2013	5/8/2013	Complete	
Send the Misoperations Report to committee members prior to SPCWG meeting for their review.	5/9/2013	Complete	Thomas T. Presented to SPCWG on 8/7/13
Include the Misoperations Report as a standing Agenda Item	5/9/2013	Complete	

Begin to look into the root causes of why SPP has a higher number of communication failures	5/9/2013	Ongoing	Will include this as subtopics under misops (See action items 12 and 18)
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	Complete	Harvey assembling UFLS data request form for future use. The will be included in the UFLS process document
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 differences when converted to Aspen	5/9/2013	Complete	Discussed at 8/7/13 SPCWG meeting
Develop a format or template for entities to use if they were to experience an UFLS event	5/9/2013	Complete	See action item 7
Develop a format or template for entities to use for UFLS relay settings – Annually	5/9/2013	Complete	See action item 7
Revise the SPS spreadsheet to include a category column. Send the NERC SPS document, which includes the proposed SPS definition, so that the SPS owners can categorize at the November SPCWG meeting.	8/7/2013	Complete	
At the November SPCWG meeting, analyze past misoperations and categorize the communications failures using subcauses in the NERC Misoperations Task Force report. Begin with Q2 2013 and work back in time.	8/7/2013	Ongoing	Each representative will work on their own comm. misops before the February 2014 meeting. Include item aa 18 below.

Invite BES Definition Drafting Team member, for the November SPCWG meeting, to present on the work they are doing. LS/DB	8/7/2013	Complete	Presented at November meeting
Provide the NERC lessons learned url to the members as part of the minutes. DB http://www.nerc.com/pa/rrm/ea/Lessons%20Learned%20Document%20Library/Forms/AllItems.aspx	8/7/2013	Complete	
Compliance department to formally send new UFLS plan and date requirements to the members. JS	8/7/2013	Complete	
Determine if coordination with MISO can be worked out to obtain mutual consent concerning delaying the adjusted UFLS boundaries until 2015. HS	8/7/2013	Ongoing	Meeting to determine SPP direction to be planned
Determine how SPP deals with model corrections between model builds. DB	8/7/2013	Complete	
Members to bring ideas to the November SPCWG meeting for a checklist that will assist in reducing misoperations due to communication problems,	8/7/2013	Complete	Combined with action item 12
Need someone to do a presentation on GMD in a future meeting. DB	11/6/13		
Set up conference call to work towards a charter for a short circuit task force and deliver at next meeting DB	11/6/13		

Agenda Item 12: Closing Administrative Duties

Doug will check different hotels in the Dallas area. The following criteria should be used

- Free wifi in meeting room and in hotel rooms
- Free shuttle service
- Breakfast
- Conference room

Next year meetings (all Wednesdays and Thursdays):

- February 5-6
- May 7-8
- August 6-7
- November 5-6

Agenda Item 13: Closing Administrative Duties

Rick Gurley (AEP) discussed the scheduled future meetings which will be February 5-6, 2014

Agenda Item 13d: Meeting Adjourned

Rick Gurley (AEP) discussed upcoming meeting topics for the face to face meeting on February 5 – 6, 2014 meeting in Dallas, TX.

11/7/2013
11/6/2013

SPCWG Meeting Registration		Last Name	First Name	Email	Attending	Comments
Company						
Kansas City Power & Light Company	Ackland	Allen	allen.ackland@kcpl.com		Net Conference	
Grand River Dam Authority	Averill	Edwin (Bud)	baverill@grda.com		In Person	EA
American Electric Power	Belkin	Peter	pcbelkin@aep.com		In Person	
Southwest Power Pool	Bowman	Doug	dbowman@spp.org		In Person	DWS
Western Farmers Electric Cooperative	Brock	Forrest	f_brock@wfec.com		In Person	
Arkansas Electric Cooperative Corporation	Carr	Brent	bcarr@aecc.com		In Person	BRC
Cleco Power LLC	Guidry	Louis	louis.guidry@cleco.com		In Person	
American Electric Power	Gurley	Rick	rgurley@aep.com		In Person	RG
Southwest Power Pool	Hayes	Jonathan	jhayes@spp.org		In Person	
Southwest Power Pool	Hughes	Mike	mhughes.re@spp.org		In Person	MEH
Oklahoma Gas & Electric	Jacobs	Shawn	jacobssw@oge.com		In Person	AA
Grand River Dam Authority	Ninan	Nishi	nninan@grda.com		In Person	NN
Westar Energy, Inc.	Schroeder	Lynn	lynn.schroeder@westarenergy.com		In Person	YS
ITC Holdings	Soehren	Jack	jsoehren@itctransco.com		Net Conference	
Southwest Power Pool	Speer	Jason	jspeer@spp.org		Net Conference	
Southwest Power Pool	Teafattler	Thomas	tteafattler.re@spp.org		In Person	
Sunflower Electric Power Corporation	Thykkuttathil	Mathew	mthykkuttathil@sunflower.net		In Person	AM
Nebraska Public Power District	Wadas	Stephen	stwadas@nppd.com		In Person	SW
City Utilities of Springfield	Zellefrow	Ken	ken.zellefrow@cityutilities.net		In Person	WZY

ITC Holdings
KCC Energy
PUR Solutions
Miller
Meyson
Harold
Tom
Harold
Ray

ten Miller @ itctransco.com
Harold Meyson @ Xcel Energy.com
Harold @ PURSOL.biz

W Person
M Person
M Person
M Person

On the Phone:
Perry Brown AEP
Harvey Spindler SPP
Dee Edmondson SPP
Jack Soehren ITC Holdings
Jonathan Hayes SPP