

**Southwest Power Pool**  
**WESTERN RELIABILITY EXECUTIVE COMMITTEE**  
**Wednesday, July 17, 2019**  
**1pm to 5pm MDT (2pm to 6pm CDT)**  
**Tri-State Generation and Transmission, Westminster, Colorado**

• M I N U T E S •

**1. Call to Order**

Keith Carman called the meeting to order at 1:00pm MDT (2:00pm CDT) on Wednesday, July 17, 2019.

**2. Attendance and Quorum Determination**

CJ Brown took attendance (attached) and confirmed that quorum was met. There was one proxy for the meeting - Mike Sahs (EPE) for Abel Bustillos.

**3. Review and approval of WREC meeting agenda**

After a quick overview of the meeting agenda with no updates, Keith Carman called for a motion to approve the agenda. Denton McGregor motioned to approve, seconded by Jeff Landis; with no further discussion or opposition, the motion was approved.

**4. Approval of WREC Minutes from June 21, 2019 open meeting**

Keith Carman requested for approval of the minutes since there were no changes. John Tolo motioned to approve, seconded by Jonathan Aust; with no further discussion or opposition, the motion was approved.

**5. Review of Past Action Items**

CJ Brown stated that both action items will be covered by Clint Savoy as an agenda item in the meeting today.

- a. Clint Savoy to send out the revised modification process document to WREC, and will present to WREC in July during the next WREC in-person meeting.
- b. Yasser Bahbaz will send an outline to Clint Savoy for the Modification Oversight Process (MOP) document to clarify how a conflict should be handled.

## 6. WRWG Updates and Approval Items

Denton McGregor provided high-level updates from the last WRWG meeting. West Modeling Task Force (WMTF) have not met since their last meeting but they are working through some challenges with connectivity issue of the Replicated Data Server (RDS) and modeling of ICCP with CAISO. Congestion Management and Seams Task Force (CMSTF) has made recommendations for several documents to be approved, and discussion of whether black start issues involving under voltage or under frequency load shed event are adequately addressed but general consensus of group is that they are being handled internally by each TOPs and BAs. RC Readiness Task Force (RCRTF) meeting August 6<sup>th</sup> and 7<sup>th</sup> at SPP to discuss train-the-trainer related topics, and meeting August 8<sup>th</sup> to discuss about updating the SPP Reliability Coordinator Plan.

SPP Communications Protocol for the West has been unanimously approved by WRWG without much discussion. Modification Oversight Process (MOP) document has been, under direction from the WREC, been updated to make sure there is provision for a second check and organizational changes. Congestion Management Methodology has been unanimously approved by WRWG but with lots of discussion before the approval, including not needing to work the steps in sequential order. Reliability Coordinator Restoration Plan has also been unanimously approved by WRWG without much discussion.

RDS discussion related to the disclaimer by SPP to ensure entities do not use the RTCA data posted out there as their primary source for completing their real-time contingency analysis or real-time assessment.

Small changes to SOL Methodology where a paragraph was inadvertently deleted for NERC FAC-011 requirement but has been unanimously approved by WRWG.

Disturbance Data Reporting and Monitoring Requirements document that has been presented from CMSTF has also been unanimously approved by WRWG, where it is in large part very boilerplate with PEAK's current process.

Keith Carman reminded the WREC of the discussion regarding consent agenda from the last meeting, saying that since WRWG has full representations and has the technical experts, they should be able to make the final decision, unless there are issues with the documents seeking approval, or they feel it is something of great importance or compliance-related issue to bring

up to the WREC for approval and not slow down the process since WREC will not be meeting as often after go-live.

## **7. Modification Oversight Process (MOP)**

The MOP process has been approved by WRWG, so Clint Savoy walked through the process for WREC using the redline version. He said that the discussion was to be flexible and not limit the approval process to WRWG as the primary working group with the final authority, although the WRWG is the primary group by default right now and will have the final approval for anything that does not require WREC approval, since there could be other working groups in the future. The MOP document has also been revised with the approval process for requested system enhancements and procedures/processes, so as not to be limited to just documents. In addition, no specific documents are listed in the MOP process to keep it generic so as to avoid the need to make updates to the MOP document each time a new document is added. Other language has also been moved around in the document to expand the scope and applicability.

Clint Savoy also said that they plan to add a routing criteria in a spreadsheet-type template on spp.org, which will list the primary working group for each document, but again, WRWG is the default at this time. He also explained other changes in the revision modification process document, which includes the initial review being done by the primary working group, with a potential secondary working group; and that the WREC would review and take appropriate action, such as those modifications where there are financial obligations to SPP or SPP RC customers.

He said they intend to create a process flow diagram and should help make the MOP process clearer, especially since, for example, there are different posting requirements for modification requests or comments.

Clint Savoy said he will add clarification to ensure there is no crossover between East and West by adding "SPP Western RC services" in the MOP document to avoid confusion. He will also make other minor updates, including adding the process flow diagram, before providing the final draft to WRWG for approval again. Keith Carman went around the room to make sure everyone is in agreement for Clint Savoy to move forward with those suggestions, and that Denton McGregor for WRWG will then provide a final clean copy to the WREC for review on the next meeting.

## 8. R-Comm Update

Scott Aclin said that R-Comm is new to SPP, and that R-Comm parallel operations occurred in early April 2019, with a July 8, 2019 full live production. He stated that the major difference for SPP is the flowgate status change in the East using R-Comm instead of having to make a phone call to each TOP. He explained that R-Comm has a Load Ratio Calculator built in with acknowledgement feature. In answer to a question from Bob Staton, Scott Aclin further explained that the R-Comm is not for local voltage or transmission constraint issue, but that it is used for capacity for the Balancing Authority (BA), specifically load shedding for BA requirement. Main features of the R-Comm include: messaging system, acknowledgements, sticky messages, flowgate status summary page, run historical reports, etc., and has a 2-factor authentication login for security reason. Future enhancements include: adding RTCA results for East and West, integration with CAISO group messaging system with API, OATI webIntegrity messaging system to support ECC messages, etc.

## 9. SPP Project Status Update

CJ Brown said that Tennille Tims provided a good overview at the WRWG meeting and there is nothing of concern at this time. He said ICCP work is still in progress with only one customer left that is still not connected, but the WON has been connected. SPP is still working with CAISO to get data flowing. SPP has decided that the best approach now is to work with PEAK to get hooked up to PEAK EHV data instead to get their data for certification, but hope to have the issue resolved by shadow operations. He expressed his gratitude to PEAK for their willingness to help out even though it is extra work for both parties, and Keith Carman concurred, saying PEAK has been very professional and accommodating despite their situation. CJ Brown said that SPP expects to be connected to PEAK by end of this week, having missed the deadline to get hooked up to CAISO by July 1.

CJ Brown said that satellite phones will be discussed in the budgetary agenda later in the closed session but stated that the second satellite phone should be delivered in September, explaining that the reason it took this long is because SPP has to order the phones from the vendor, where the phones arrive in various boxes, and then repackaged before sending it out to the RC customers.

CJ Brown said that R-Comm connectivity has concluded and went well.

CJ Brown said that modeling went in since July 1 and has been solving as expected, and SPP will continue to add more RAS functionality leading up to certification and shadow operations. However, SPP is still not getting real-time data outside of SPP's footprint, since SPP is not able to connect to California which has caused some issue with mismatches of voltage and breaker statuses, etc.

CJ Brown stated that the certification week of Aug 13-15 is still looking good, and SPP has just qualified its first operator for West RC, who will in turn help qualify his team mates. He explained the process of how SPP qualifies its operators for NERC PER-005, which includes going through processes and procedures, and identifying reliability tasks deemed critical for RC desk qualification, board review, and demonstrating the use of tool to prove readiness. A question was asked if SPP has noted some of the issues that PEAK has encountered as part of the qualifications, to which he believes that SPP operators have built up the western knowledge from their visits to PEAK and the RC West customers, but that it will still take some time to learn every single piece of the process. Brian Strickland added that SPP has also received the questions from PEAK's own certification process and has used that to come up with its own Western qualification questions and procedures/processes. CJ Brown reiterated that he is seeing a lot of good knowledge exchange between the West and SPP operators.

CJ Brown informed the WREC that SPP has hired an internal candidate as Trainer for the West but will still be keeping the existing East Trainer who has been dedicated to the West. SPP has also received an accepted position for the 12<sup>th</sup> operator for the West RC, who has been heavily involved in the West to start working as soon as November 2019.

CJ Brown informed the group that RC-RC agreement has been finalized with CAISO, which is a milestone for SPP to get that in place.

Tennille Tim said that everyone is fully engaged in the project.

#### **10. Update on CAISO go-live**

CJ Brown said that CAISO go-live was July 1<sup>st</sup>, 2019 and believe it went well, and Yasser Bahbaz confirmed that he has not heard of anything catastrophic from their go-live, but will try to get more information for the next meeting.

## 11. Other Items

In response to a question about CROW from Bob Staton, Yasser Bahbaz said that he has not heard of any issues. He affirmed that everyone who needs CROW access should already have access and outage submission is supposed to start in October 1<sup>st</sup>. In response to another question about replicating data out of CROW, CJ Brown said that there is an API for each entity to send their data to CROW from a request originating from WRWG. In answer to Steve Ashbaker's question about requesting outage data from SPP for their own operating plan as a TOP, Yasser Bahbaz said that SPP does plan to communicate outages with CAISO and vice versa, so those outage information will be available to SPP West RC customers as well. He said that SPP has a request from CMSTF to include outage information in an operating plan/operating guide and is planning to add that feature later, but the interim solution until go-live is to use a spreadsheet to list outages from both CAISO and SPP in a single spreadsheet being maintained by SPP and post that as a weekly report on Globalscape and include operating plans associated with those outages.

During a discussion at the WRWG meeting regarding the disclaimer posted on the RDS, Keith Carman summarized the intent, concurred by CJ Brown, saying that the disclaimer is to release SPP from liability if any entity uses the data from RDS as their primary source of data for their compliance purposes.

Another discussion about the RDS was about the number of concurrent user access allowed for each entity. CJ Brown said that in the East, only two instances are budgeted but those can be shared and there has not been an issue with multiple users, but for the West, the current plan is to provide two sessions per company since there is a cost associated with the number of sessions. Clint Savoy added that per Derek Hawkins update during the WMTF meeting, SPP has planned to assess the cost of adding more users to the RDS and will be going back to the vendor to consider doubling the number of users and figuring out the cost on that. Yasser Bahbaz confirmed in response to a question that the RDS user access discussion is for the concurrent user access, regardless if it was for study or read-only access to the RDS; but for study user, the license will be different and payable directly to GE.

Jonathan Aust asked the WREC to take into consideration the future of outstanding items that the Task Forces are currently handling, since they will likely be dissolved sometime next year. CJ

Brown clarified that even though SPP had not intended to dedicate full stack of staff to support the West RC effort, he believes that in addition to keeping WRWG and WREC, they could still have webex or teleconferences to minimize the cost for one or two adhoc Task Forces if needed. John Tolo suggested that WRWG put that as an action item to provide recommendation to WREC on the Task Force(s) needed and about retiring the current ones.

On a similar discussion, Keith Carman mentioned that SPP has the ORWG that is similar to WREC, and would like to invite several representatives from the ORWG to attend the WREC meeting. CJ Brown clarified that SPP envisioned that WREC would look more like MOPC for the East, and since ORWG and WRWG tends to talk similar things, he suggested a joint meetings on certain topics between WREC and WRWG, before having an open WREC meeting to invite ORWG representatives to the WREC meeting. Keith Carman suggested taking this into consideration for 2020 forward to overlap WRWG, WREC, and ORWG meetings on the same or concurrent days, especially on similar topics like the R-Comm that affects both East and West.

Eric Baran said there was a WIRAB representative who championed the agenda item at the FERC technical conference in Utah few weeks ago regarding RC performance metrics among the RCs. He thinks that PEAK has already developed a performance metrics so it might be easier to start with that. CJ Brown said he is aware of PEAK's performance metrics and that SPP will be supportive but it will have to be vetted through all the RCs, and he will bring it up to the RC group. Eric Baran said he will also bring it up in the other forums with CAISO as well. Bob Staton reminds the group to ensure it is a good useful metrics and use it to learn from PEAK and each other, and be able to identify the weaknesses and improve on those.

## **12. Summary of Action Items**

- a. Clint Savoy to clean up the draft MOP document and send it back to WRWG for review and approval.
- b. WRWG to discuss the dissolution of the Task Forces and align them for WREC.
- c. Ensure discussion of a joint ORWG, WRWG, and WREC meeting in 2020.

## **13. Future Meetings**

Keith Carman asked the WREC to think about the frequency of meetings after 2020. Bob Staton suggested a tour of the SPP Control Center in November 2019 at SPP for the WREC when they

will be there for their face-to-face meeting. Keith Carman suggested extending the November face-to-face meeting to include a tour to see the shadow operations of the West RC at SPP.

<u>Date</u>	<u>Time</u>	<u>Host</u>
8/16/2019, Friday	8-10am MT	WebEx
9/18/2019, Wednesday	1-5pm local	F2F: Black Hills (SPP will provide lunch)
10/18/2019, Friday	8-10am MT	WebEx
11/20/2019, Wednesday	1-5pm local	F2F: SPP (SPP will provide lunch)
12/6/2019, Friday	8-10am MT	WebEx

**14. Executive Session Discussion**

- a. WIDSA Update
- b. Project Development Expenditures
- c. Financial Update
- d. Contract Changes

**15. Adjournment**

Keith Carman closed the open meeting at 3:25pm MDT (4:25pm CDT) with a 5-minute break before moving into the executive session.

Respectfully submitted,

CJ Brown

WREC Staff Secretary



**Attendance:**

Keith Carman (Tri-State, WREC Chair)  
Bob Staton (Xcel – PSCo, WREC Vice Chair)  
Denton McGregor (Black Hills, WRWG Chair)  
Andy Minter (IREA)  
Bob Johnson (Xcel - PSCo)  
Eric Baran (Western Interstate Energy Board)  
Hank Adair (FEUS)  
Jeff Landis (PRPA)  
John Tolo (TEP)  
Jonathan Aust (WAPA)  
Maude Grantham-Richards (Tri-State)  
Mike Rein (Xcel)  
Mike Sahs (EPE) proxy for Abel Bustillos  
Rebecca Johnson (WAPA)  
Sam Rugel (TEP)  
Shane Sanders (AEPCO)  
Steve Ashbaker (WECC)  
Tom Kleckner (RTO Insider)  
Warren Rust (CSU)  
-  
CJ Brown (SPP, WREC Secretary)  
Bert Bressers (SPP)  
Brian Strickland (SPP)  
Clint Savoy (SPP)  
John Gunter (SPP)  
Samantha Gwei (SPP)  
Scott Aclin (SPP)  
Tennille Tims (SPP)  
Yasser Bahbaz (SPP)