



**WECC**

# WECC JSIS Update for NASPI Meeting

November 03, 2020

Hongming Zhang, JSIS Chair  
Ashley, Donahoo, JSIS co-Chair

# DDMWG\* (Data Delivery & Management Work Group) Update

- PMU Registry migrated to WECC DDMWG restricted site.
- Synchrophasor Data Quality (SPDQ) monitoring and reporting transitioned from Peak to individual RCs
  - RCs have met to determine quality metrics, methods of monitoring, etc.
- Data repository for sharing of event data located on restricted site
  - Will discuss event parameters (i.e., what classifies as an “event”?) with JSIS community at November meeting
  - Agreed on file formats for shared data
- Initiated discussion of STTP protocol for real-time, wide-area Synchrophasor data sharing
  - BPA and PNM to lead testing and evaluation in coming months
  - Long term implementation plan TBD



\*co-chaired by Tony Faris and Dan Brancaccio

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## OAWG\* (Oscillation Analysis Work Group) Update

- Monthly meetings review on Oscillation Events & System Tests.
- Finalized and approved the Oscillation Terms Document in the Sept OAWG meeting. Next step is to have final approval in Nov 18 JSIS meeting.
- Received the approval from the entities for use of RC historical PMU data on WECC events to update the Western Oscillation Modes Report.
- NERC published a new event reporting template for guidance. WECC/JSIS will adopt it.
- Promoted new research work on oscillation detection technology in industry by invited presentations:
  - Forecasting Oscillations in Power Systems using Synchrophasor and SCADA Measurements by GE Digital
  - Identification Techniques for Grid Oscillations Deploying MATLAB to Assess Grid Stability by MathWorks
  - Correlation Analysis of WECC Modes and Renewable Penetration by Binghamton University



\*co-chaired by Jim Follum and Alex Ning

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# TSAWG\* (Transient Stability Analysis Work Group) Update

- TSAT had the Closed Session meetings to promote collaboration on online TSAT modeling efforts and software requirements.
  - CAISO/SPP who are operating online TSAT tools look for further model improvements /WI portion expansion
  - BC Hydro, AESO and BPA work on or plan on their online TSAT projects.
- TSAT had the Open Session meetings to share TSAT R&D work plan and progress.
  - Composite Load Model testing with EMS Savecases
  - TSAT software enhancement topics: Common RAS models and new capability to handle both \*.dyd and \*.dyr dynamic files in a single simulation scenario.



\*co-chaired by Aftab Alam and Will Tootle

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## Upcoming JSIS Meeting

The next JSIS meeting is November 17-19,  
Webinar ONLY

- Closed session 17<sup>th</sup> 1-5pm MT
- Open session 18<sup>th</sup> 9 am-2 pm, MT, the DDMWG and OAWG Sessions
- Open Session 19<sup>th</sup> 9 am-2 pm MT, the TSAWG and New Technology Sessions.

Announce the OAWG leadership change

- WECC and JSIS LT appreciated Jim's leadership in coordinating OAWG activities over the last 3 years.
- Ryan Lott from SPP was nominated by Jim Follum to assume the new OAWG Chair effective after the Nov. 18-19 JSIS meeting.





## CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PRESENTED TO

**Matt Weber**

in grateful appreciation for your dedicated service, commitment to excellence, and support of WECC as the chair of the Situational Awareness and Security Monitoring Subcommittee. Thank you for your support of reliability and security in the Western Interconnection.

Date Role Began June 8, 2017

Date Ended February 20, 2020

A handwritten signature in black ink, appearing to read 'Tim Reynolds', written over a solid black horizontal line.

Tim Reynolds

Event Analysis and Situational Awareness Manager  
WECC

A handwritten signature in blue ink, appearing to read 'Bert Peters', written over a solid black horizontal line.

Bert Peters

Operating Committee Chair  
WECC



WECC

Electric Reliability and Security for the West

## Contact:

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