

Minutes of Web Meeting

IEEE PES PSIM - Sensors Subcommittee
Friday, August 7th, 2020
10:00 AM to 11:45 AM EDT
Virtual WebEx Meeting

1. Ron Pate chaired the meeting. The agenda was updated before the subcommittee meeting; an updated agenda is provided.
2. There were 25 attendees. Appendix A contains the attendee list. As this is a new subcommittee, membership is granted upon request with only one meeting attended. If a member wishes to remain a member, they must not miss three consecutive. Membership of the subcommittee requires active participation in the working groups of the subcommittee.
3. Reviewed IEEE SA patent and copyright policy for informational purposes. This is not required as this is a Subcommittee meeting; however, there is one working group (P2681) that should comply with these policies. Appendix B and C contains these policies.
4. Reviewed GDPR policy and 123Signup requirements. Please sign up to the PSIM account if you have not already (<https://www.123signup.com/maillinglist?Org=ieee-psim>). Future correspondence will be only via 123Signup.
5. Displayed the PSIM Subcommittee Website (<http://www.psimcommittee.org/subcommittees/sensors/>) and reviewed the scope of the subcommittee. Also described was the Working Groups/Task Forces overseen by this subcommittee. The website will eventually contain the files being worked on by the Subcommittee and its Working Groups/Task Forces. The username (psimc) and password (yW>5:yhT) are used to access these documents and should not be shared outside of the working groups, task forces, or subcommittee.
6. Reviewed current activities of the subcommittee:
 - a. WG on P2681 - Guide for MV Smart Grid Sensor Accuracy Testing.
 - i. Chaired by Francisc Zavoda (IREQ), Secretary Dr. Keith Lindsey (Lindsey Manufacturing)
 - ii. Last WG meeting was August 6th, 2020 10AM EST
 - b. Task Force – Sensors Accuracy Testing Paper
 - i. Chaired by Ron Pate (ABB), Secretary Dr. Keith Lindsey (Lindsey Manufacturing)
 - ii. Last TF meeting was August 6th, 2020 1PM EST
7. Identified liaisons and functionality of other related committees, subcommittees, and working groups.
 - a. Transmission and Distribution
 - i. Sal Martino volunteered to be the liaison between the Sensors Subcommittee and Smart Distribution and Volt VAR Working Group.
 - ii. A joint effort between T&D and PSIM would be able to provide a sensor application guide. Sal Martino made the motion to start the process. Jim McBride seconded the process. A vote was taken via WebEx with a 'no response' as an approval vote. No objections noted. Malia Zaman indicated that this would need submitted in writing to IEEE SA.
 - b. Power System Relaying and Control (PSRC)
 - i. Fred Friend offered to be a liaison between Sensors Subcommittee and PSRC.
 - ii. WG130 is working on a revision C37.235 Guide for the Application of Rogowski Coils used for Protective Relay Purposes.

- iii. WGC28 is balloting C37.242 IEEE Guide for Synchronizing, Calibration, Testing, and Installation of PMUs.
 - c. Transformers
 - i. Tom Sizemore offered to be a liaison between the Sensors Subcommittee and the Instrument Transformers subcommittee.
 - d. Switchgear
 - i. Jim McBride and Ron Pate offered to find a liaison for the Switchgear Committee.
- 8. Discussed recommendation for development of a device standard for power sensors. IEC61869 has a standard, but there are no IEEE standards for this. The instrument transformer standard C57.13 details the performance requirements of instrumentation transformers and not physical requirements. Jim McBride indicated that this would be best as a collaborative effort as PSIM's scope is specifically measurement. It is likely the market is not mature enough for a standard; an application guide would be more appropriate. No actions taken at this time with the intent of future work. Jeff Britton reviewed the PSIM scope and this future work, if pursued, would be in scope to PSIM.
- 9. We clarified the scope of the PSIM Sensors Subcommittee. In scope are sensors and sensor system perform measurement of current voltage and related quantities. A question was raised about sensor data collected, managed, and used by T&D/EMS/DMS and if this is in scope. As the group is under the PSIM umbrella, the use of the data is outside of the scope. PMUs and microPMUs characterization was also discussed and is currently contained within PSRC, but PSIM can make themselves available for assistance to PSRC via the liaison.
- 10. New Business:
 - a. Jeff Britton provided a link for the IEEE Sensors Technical Council (<https://ieee-sensors.org/#>). Currently there is no one from PES PSIM on the council. If you are interested, please view the website and contact Jeff Britton.
- 11. Next subcommittee meeting will be at the 2021 JTCM January 10th to 14th, 2021.
- 12. A motion was made to adjourn, was seconded, and, there being no other business, the meeting was adjourned.