

December 17, 2021

Call Notes

Performance Requirements, Standards, & Verification Task Team Meeting

Jim O'Brien ([Jim.O'Brien@duke-energy.com](mailto:Jim.O'Brien@duke-energy.com)) and  
Farnoosh Rahmatian ([frahmatian@nugridpower.com](mailto:frahmatian@nugridpower.com)), Co-leads  
Teresa Carlon ([teresa.carlon@pnnl.gov](mailto:teresa.carlon@pnnl.gov)), Support  
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Action items:

- None at this time.
  
- 1. Roll call All
  
- 2. Outstanding projects update
  - Survey of instrument transformers connected to installed PMUs – no further progress since October. Farnoosh Rahmatian/  
Teresa Carlon
  
  - Progress of three white papers – progressing well. Sajan K.S./  
Pratim Kundu
    - o (Sajan) Survey of Existing PMU applications Around the World and Classification – Waiting on some more input. ([link](#) to document)
    - o (Pratim) Analyzing Synchrophasor Performance Requirements for Synchrophasor based Control Applications – Just need to add formatting and a few comments that need to be addressed. ([link](#) to document)
    - o (Pratim) Data Quality Impacts on Synchrophasor based Control Applications – see above. ([Link](#) to document)
  
- 3. Update on other activities – Standing Topics: All
  - PMU Standard(s)
    - o C37.118.2 (Vasudev Gharpure) – There is a complete draft and most of the WG have reviewed and provided comments to Vasudev. He is making a trip to Indian and plans to review them during the trip and discuss them after his return. He hoped to form the balloting group in January and go to ballot in early 2022.
  
  - PDC Standard(s)
    - o Working Group C40 (Vasudev Gharpure) – Ken asserted he is not part of the C40 WG, but knows Vasudev was hoping to create a tutorial for the PDC standard to be given at the IEEE GM in 2022. He did not know the status of that.

- IEEE PES PSRC C23 (Allen Goldstein) – Allen pointed out that this WG is for relaying work projects and requests between NASPI and IEEE PSRC. He asked for anything from NASPI that should be brought to IEEE—no one had anything to suggest.
  - IEEE ICAP/NIST (Allen Goldstein/ Ravi Subramaniam) – Allen reported that there are now 5-6 PMUs certified under ICAP. They are also processing another request from a lab outside the US that wants to be certified as an ICAP test lab for PMU certification. Ken asked if there was any further work toward creating a certification plan for the C37.118.2 communication protocol. There was some such discussion a couple years ago. Allen reported that he did not know of any such work going on, and he thinks that has been dropped for lack of leadership on the effort. As there is some need to assure that communication protocols interoperate, such a development could be beneficial to the user community. Allen pointed out that such a certification is a different animal than a measurement device and much more difficult, so is not often done. In other industries, vendors sometimes produce a demo package that a vendor can buy to test their products operability of a particular protocol. Ultimately it is the users and vendors who decide if the cost of certification is worth it. This could be an area that PRSVTT may want to do something with, but there is no clear direction what this might be.
  - IEEE PE/PSCC P2664 Standard for Streaming Telemetry Transport Protocol (Ken Martin) – Ken reported that the P2664 standard work is proceeding. The WG has just ‘finished’ revising the terminology so it is consistent with common practice and clear for the standard. This has added a couple months of time to the project, so the standard may not be finished by the Dec 2022 deadline. At this point we hope to be ready to form the balloting body in May and go to ballot soon afterward. We will extend the deadline if needed.
  - IEEE PES PSRC C41 Working Group – Investigate Performance Requirements for Distribution PMUs – (Ken Martin) – Just finished matching some of the possible distribution PMU requirements to those described in the recent Distribution Synchronized Measurements Roadmap Final Report by SDG&E, Quanta, & others that has been posted by NASPI (under the DisTT). C41 will review these findings and continue this examination if it continues to provide useful guidance. C41 also reviewed an analysis of the distribution measurement environment done by Miles Rusch, a graduate student for Sascha von Meier. This will help to guide the recommendation of the types of tests to certify PMUs for distribution applications.
4. DisTT Update (Ken Martin) – Ken reported that the distribution PMU TT had a round robin discussion at the last meeting. Other than reporting the above mentioned [Distribution Synchronized Measurements Roadmap Final Report](#) had been posted and that there is an upcoming SGSMA conference in Croatia, there was no significant new development reviewed. There next meeting will be in January 2022.
5. Other topics / new business All
- None

Next PRSVTT Conference Call

All

- **January 28, 2022**, at 8:00am PT / 11:00am ET.

Adjourn

**Attendees**

Goldstein, Allen R.

Kaduvettykunnal Sadanandan, Sajan

König, Manuel

Martin, Ken

O'Brien, Jim

Ostash, Kevin

Rahmatian, Farnoosh