NASPI | *North American SynchroPhasor Initiative*

Minutes

Performance Requirements, Standards, & Verification Task Team Meeting
David Bertagnolli, Jim O'Brien, and Farnoosh Rahmatian, Co-leads
August 26, 2016, 8:00am PT / 11:00am ET via Lync

1. Roll call – Call led by Jim O'Brien	All
2. Outstanding projects update	All
- Application Requirements and Benefits Metrics – decision was made to leave this item on the agenda until the handoff is complete. This work has significant overlap with Alison's (et al.) effort on The Value Proposition for Synchrophasor Technology. **No update at this time.**	Weekes/ Bertagnolli
- PMU Application Requirements Task Force (PARTF). Allen; phase 1 is the preliminary white paper, comments are being addressed, hope to finalize the draft before the October NASPI meeting. Phase 2 underway at NIST working on software framework, alphas testing in October, beta testing in January 2017, next week will be a show and tell with folk working on the white paper, next month a show and tell for the PARTF audience, open source supported by NIST. Future phases to come.	Allen Goldstein

3. Update on other activities   All

- PMU Standards (Ken Martin/Allen Goldstein) – Allen; closing vote on C37.188.1, vote will likely pass, start forming valid group for IEEE, PSRC meeting in Cincinnati, committee to look into the revision of C37.118.2. protocol, modifying IEEE synchrophasor guide C37.242, work on tutorial guide.
- PDC Standards (Vasudev Gharpure) Jim; asking for extension (listen), Vasudev is questioning whether to continue or wait for other work to be completed first.
- IEEE PES PSRC C23 (Jim O'Brien) Allen; next meeting is in September 19-22 in Cincinnati, synchrophasor activity, update coming in September.
- IEEE ICAP/NIST (Allen Goldstein) – Allen; ICAP will be meeting at the beginning of PSRC meeting, revisions to test specifications, changes will be something we can keep track of, no additional huge changes in addition to what is in the draft. NIST side; getting large solar array, microgrid sensors and pmus, collaboration with a couple universities possibly, lots of interesting work on the Distribution side.

4. Other topics / new business   Leads

- C37.118.2 Update of the standard - covered above.
- Synchrophasor data under fault conditions - **Krish Narendra**, lead.
  - o Harold sent his draft on the report on various sections, and requested me to hold the review as he is working on the revised version.
  - o Krish is reviewing fault case studies done through RTDS system capturing PMU stream during fault conditions. There are number of cases that needs to be analyzed and hoping to complete the analysis in about 4 weeks.
  - o Krish will send the report to Teresa once he receives the contributions from other members or interested volunteers.

- o Krish is planning a presentation to the PRSVTT group on the report at the PRSVTT breakout meeting in Seattle.
  - Distribution Applications -**Ray Hayes**, lead. Harold will try to get a hold of Ray. No update at this time.
  - Survey of instrument transformers connected to installed PMUs - **Farnoosh Rahmatian, Mahendra Patel, Harold Kirkham**, leads. Teresa queried the SGIG names/emails from the NASPI database and sent those to Farnoosh for his review and/or action.
  - PMU for Control Applications -**Vahid Madani**. Define the need, scope a set of applications. Perhaps the genesis for a new task force? Sundeep; concern when using PMU for control of applications, the communications should be uninterrupted, how to ensure communication reliability and less latency. Mahendra asserted the need to address latency, share work experience and what has been learned so far. Harold suggested a "survey" to utilities to see what they are using and is it working for them. Jim suggested discussion this topic further at the PRSVTT breakout in Seattle.

Next PRSVTT Conference Call   All
  - **September 30, 2016 @ 8:00am PT / 11:00am ET**. The conference calls are scheduled for the last Friday of the month unless otherwise noted.

Adjourn

Attendees
Allen Goldstein
Artis Riepnieks
David Bertagnolli
Frank Tuffner
Harold Kirkham
Jim O'Brien
Laurie Miller
Mahendra Patel
Sundeep Gupta
Tamica Dickenson
Teresa Carlon
Tom Rizy
Xiaochuan Luo
Xiaoyuan Fan
Yi Hu