

**Performance Requirements, Standards, & Verification Task Team (PRSVTT) Call Minutes**

**May 26, 2017**

Jim O'Brien ([Jim.O'Brien@duke-energy.com](mailto:Jim.O'Brien@duke-energy.com)) and  
Farnoosh Rahmatian (<mailto:frahmation@nugridpower.com>), Co-leads  
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1. Roll call All
  
2. Outstanding projects update All
  - PMU Application Requirements Task Force (PARTF); Allen, framework coming along, still looking for recruitments, recruitments need funding for expenses (food and lodging), NIST does not take any money. Allen would like to put together a (recorded) webinar in the future. Allen Goldstein
  - Synchrophasor data under fault conditions; Krish – no update. Krish Narendra
  - Survey of instrument transformers connected to installed PMUs; Farnoosh and Teresa to meet next week to go over survey recipients one by one. Farnoosh Rahmatian
  
3. Update on other activities – Standing Topics: All
  - PMU Standards (Ken Martin/Allen Goldstein) – synchrophasor performance standard WG vote ballot closed on Monday.
  - PDC Standards (Vasudev Gharpure); running a little late, draft being routed to the working group for first time, extension requested.
  - IEEE PES PSRC C23 (Jim O'Brien)
    - C37.118.2 Update of the standard; meeting in May at PSRC, haven't seen the draft, working on bullet points, work just getting started.
  - IEEE ICAP/NIST (Allen Goldstein/ Ravi Subramaniam)
  - GMLC Update – Tom Rizy; peer review of all the projects in mid-April, Tom's project (Sensor and Measurement Strategy) received positive feedback, continue to move forward on the roadmap development, looking into getting more specific on the areas we are breaking out into (e.g. devices, communications), looking to pull more folks into the working groups that are being formed, placement tool for sensor placement and optimization is under development, work is having positive results, because of time and budget constraints not every application can be reviewed, survey being used to determine applications that are reviewed.

4. Other topics / new business

All

- PMU for control applications – Vahid Madani proposed the topic for PRSVTT to define the need, and to scope a set of applications. Perhaps the genesis for a new task force?
  - No lead at this time.
  - Mahendra; emulator being used for synchrophasor measurements, useful in testing and control applications. Need to include direct control applications. Do we need a task force to address this item? Allen suggested that Mahendra contact him offline. Allen might be able to help.
- Future work?
  - Farnoosh queried the group and what future project should the PRSVTT take on, and Farnoosh suggested to expand NASPI scope and looking at additional time synchronization measurement and if so, why? Is it not being addressed elsewhere? Mahendra asserted haven't seen any good data and time synchronization and real data? Where does the time stamp go? No standard way. Allen jumped in and asked Mahendra to connect him because this subject is being worked on. Allen suggested working on performance of PMU algorithms that is using sample values as inputs – area of speculation.

Next PRSVTT Conference Call

All

- **June 30, 2017 at 8:00am PT / 11:00am ET unless otherwise noted.**

Adjourn

**Attendees**

Allen Goldstein  
Farnoosh Rahmatian  
Jay Murphy  
Jeff Zhao  
Ken Martin  
Mahendra Patel  
Teresa Carlon  
Tom Rizy  
Yi Hu