

Performance Requirements, Standards, & Verification Task Team (PRSVTT)

Breakout Session in Albuquerque, NM

April 25, 2018

Jim O'Brien (Jim.O'Brien@duke-energy.com) and
Farnoosh Rahmatian (<mailto:frahmation@nugridpower.com>), Co-leads

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Actions from today's face to face meeting:

- Farnoosh to finish the guidance document for the survey of instrument transformers connected to installed PMUs. **Due March 2, 2018 (past due).**
 - Jim will reach out to Alison to inquire about funding the *performance needs for applications* effort. The consensus was that this effort, to do it right, would take more than just a volunteer.
 - Synchrophasor data "during" faults – Krish Narendra
 - Both measurement and communication aspects.
 - 18-page draft is available for internal review (also including Goodness-of-Fit info).
1. Roll call – see below. Jim O'Brien led the meeting. All
 2. Presentations:
 - [Generator Control System Performance Monitoring using PMU Measurements](#) (Christoph Lackner)
 - [Applicability of Synchrophasor Data for Fault Analysis](#) (Nuwan Perera)
 3. Outstanding projects update
 - Synchrophasor data under fault conditions – Nuwan; waiting on more information from Krish. Will try to have a draft by the May 25 conference call. Krish Narendra/
Nuwan Perera
 - PMU Application Requirements Task Force (PARTF) – Allen; TF consist of about 45 members of NASPI, published white paper on the NASPI website which was funded by DOE and mainly written by staff at PNNL. PNNL may be getting some funding for improvements to the document. PAR Test Frame code on Github, work in progress, will always be improving, many abstract modules, used as an analysis tool. Allen Goldstein
 - Survey of instrument transformers connected to installed PMUs – Farnoosh; no update at this time. Farnoosh Rahmatian

- PMU for control applications – talked about doing a report, Anurag volunteered for the effort but no progress has been made. Anurag Srivastava
4. Update on other activities – Standing Topics: All
- PMU Standards
 - o P60255-118-1 (Ken Martin); Approved by both IEEE and IEC balloting, now in final edit by IEC. Most likely to go before IEEE Review Committee (Revcom) by September.
 - o C37.242 (Allen Goldstein); Revision 2 expected shortly after joint IEC/IEEE standard is published. Ballot group may form before September.
 - o C37.118.2 (Vasudev Gharpure); Allen; C37.118.2 and IEC 61850 is in review by the working group. Only a working group vote is needed for publication. Expected before September.
 - PDC Standards
 - o PC37.247 (Vasudev Gharpure); IEEE C37.244-2013 Guide to Phasor Data Concentrator is being turned into a PDC standard: PC37.247.
 - IEEE PES PSRC C23 (Mahendra Patel) Mahendra; PDC and PMU standards are going through final stages. Next meeting May 7-10 in Pittsburg, registration is open and April 13 for early bird registration.
 - IEEE ICAP/NIST (Allen Goldstein/ Ravi Subramaniam) Allen; revision 3 of the Synchrophasor Performance Test Suite Specification (TSS) is in review and will be balloted by steering committee (SCASC) after May meeting. Expect publication shortly after joint IEC/IEEE standard.
 - GMLC Update – Tom Rizy; Sensing and Measurement project – not in our breakout session.
5. Other topics / new business All
- Allen; path forward for the task teams. Coming to a point in time when most of us have accomplished the items from this task team (performance and standards) pertaining to the transmission side and efforts might now be better focused on the distribution side. How can we look at the next level of performance from the distribution side of things? What are the performance requirements from the DisTT perspective?
- Next PRSVTT Conference Call All
- **May 25, 2018 at 8:00am PT / 11:00am ET unless otherwise noted.**

Attendees

Jim O'Brien

Mahendra Patel

Teresa Carlon

Vahid Madani

Shannon Martinez

Christoph Lackner

Nuwan Perera

Lingwei Zhan

Felipe Wilches-Bernal

Allen Goldstein

Dinesh Gurusinghe

David Schoenwald