

Performance Requirements, Standards & Verification Task Team

- Task Team Co-Leaders:
 - Jim O'Brien, Duke Energy
 - Farnoosh Rahmatian, NuGrid Power
- Task Team Support:
 - Teresa Carlon, PNNL

PRSVTT Update – 04/25/2018

Ongoing Work

1. Synchrophasor data “during” faults – Krish Narendra
 - Both measurement and communication aspects
 - An 18-page draft is available for internal review (also including Goodness-of-Fit info).
 - Nuwan Perera will take lead to complete report.
2. Instrument transformers behind PMUs – Farnoosh Rahmatian
 - Survey of what is present behind “today’s” installed PMUs
 - The survey template is revised and ready – will initiate the survey soon
 - Particularly interested in CTs/PTs/CVTs connected to PMUs installed through SGIG projects

PRSVTT Update – 04/25/2018

Presentation

Generator Control System Performance Monitoring using PMU Measurements

Presented by Christoph Lackner (RPI)

- Objective is to use disturbance and ambient PMU to monitor control performance
- The goal is to automate the monitoring process to track changes in the recorded performance, such that equipment operation issues can be identified before equipment starting to fail.

PRSVTT Update – 04/25/2018

Presentation

Applicability of Synchrophasor Data for Fault Analysis

Presented by Nuwan Perera (ERLPhase)

- This presentation focuses on the applicability of the P and M class synchrophasor data for fault analysis.
- The synchrophasor data captured from an industrial PMU implemented as per IEEE C37.118.1a- 2014 was used for this analysis.
 - Simulated data from a Real Time Digital Simulator (RTDS)
 - Field reported events

