Performance Requirements, Standards & Verification Task Team

- Task Team Co-Leaders:

  - David Bertagnolli, New England ISO

  - Jim O'Brian, Duke Energy

  - Farnoosh Rahmatian, NuGrid Power

- Task Team Technical Support: Henry Huang/PNNL

- Task Team Administrative Support: Teresa Carlon/PNNL

PRSVTT Update – 10/14/2015

- Dave Bertagnolli (& Tony Weekes)
  - Guide on "Application Requirements and Benefit Metrics" transitioning into the Value Proposition Document

- Allen Goldstein and Tony Johnson
  - Call for volunteers to contribute to IEEE Std. C37.118.2-2011 update work towards preparation for conformance testing
  - NASPI-wide PMU Application Requirements Task Force (PARTF) – draft white paper coming up for review

PRSVTT Update – 10/14/2015

- Three paper presentations
  - UCSD – Event detection using complex phasor data – Raymond de Calafon (UCSD) & Charles Wells (OSIsoft)
  - Hydro Quebec – Real-time phasor simulation test-bed for secondary voltage control of power grids using wide-area measurements – Arvin Morattab, Oussima Akhrif & Maarouf Saad (École de Technologies Supérieure, Montreal)
  - In-field testing and validation of synchrophasor-based Remedial Action Scheme – A. Malikeswaran, P. Banerjee, A Srivastava, D. Bakken & P. Panciatici (Washington State University)

PRSVTT Update – 10/14/2015

- **New business and proposals**
  1. Synchrophasor data "during" fault conditions
     - Both measurement and communication aspects
     - Tentative lead - Krish Narendra
  2. Distribution PMU
     - For basic applications (not requiring micro-PMU performance)
     - Are C37.118.1 M and P classes with 1% TVE sufficient or do we need additional accuracy/resolution classes?
     - Metering and power quality applications
       - Synchronized metering?
     - Tentative lead – Ray Hayes
  3. Instrument transformers behind PMUs (CTs, PTs, CVTs, …)
     - Survey of what is present behind "today's" installed PMUs
     - Info for registry
     - Tentative lead – Farnoosh Rahmatian and Mahendra Patel