NASPI D&NMTT

Report out October 20, 2016

D&NMTT Presentations

- **Synchrophasor Data Delivery Efficiency** Improvements GEP vs. IEEE C37.118 Results from Testing at Peak RC Ritchie Carroll (GPA) Dan Brancaccio (BRIDGE Energy Group)
  - Test GEP for wide area network synchrophasor delivery
  - White paper delivered to DOE
- **PMU Registry in Peak Reliability** – Todd McCune, Jiawei "Alex" Ning, Hongming Zhang (Peak Reliability)
  - New version deployed at Peak RC
- **Cloud-based synchrophasor data architecture**
  - Xiaochuan Luo from ISO New England
  - PoC project on cloud-hosted wide area monitoring system.
  - ISO New England, Cornell University and Washington State University.
  - Demonstrate a cloud-hosted distributed platform for real-time PMU data collection, storage, PMU processing and dissemination
  - Five aspects investigated during the project: Security, latency, fault tolerance, data consistency, and cost.
  - Next phase
    - Achieve real time PMU streaming to the cloud from both ISO New England and NYPA
    - PMU based state estimation of the combined New England and NYPA system.

D&NMTT Presentations

- **WAMS in the sky** – Manu Parashar, Douglas Wilson, Nischal Dahal, Andrew Gillies & Kristen Sanderson (GE Grid Solutions)
  - Demonstrated a GE initiative on leveraging the Predix Cloud Platform for WAMS as a collaborative platform for data collection, analytics and visualization.
  - Presented use cases for pushing WAMS data to Predix for operations, planning and control.
  - Demonstrated PDC functionality on the cloud gathering data from N60 PMUs at GE sites, partner universities, and FNET devices across North America.
  - Seeking feedback and collaboration opportunities with industry and academic partners.

D&NMTT Business

- Registry Data Exchange Format
  - Finalize Schema
  - Solicit Vendor support
- Synchrophasor Data Archive Architectures
  - Survey
- Advanced Synchrophasor Protocol project
  - D&NMTT to offer feedback and venue to update synchrophasor community