



Engineering Analysis Task Team (EATT)

Ryan Quint (NERC) – Co-Lead
Evangelos Farantatos (EPRI) – Co-Lead

NASPI Meeting
October 19-20 2016
Seattle, WA

EATT Breakout Agenda

- Review Mission & Goals
- Activities
- New Business
- Presentations
 - Failure diagnosis in transmission protection system using synchrophasor data – Bo Cui, Anurag Srivastava & P. Bannerjee (Washington State University)
 - PMU emulator for power system dynamics simulators and model validation – Hyojong Lee, Anurag Srivastava, P. Banerjee (Washington State University) & Evangelos Farantatos & Mahendra Patel (EPRI)
 - Enhanced algorithms for real-time stability tracking – Tim Gubitz, Kat Sico (Duke Energy) and Aranya Chakraborty (North Carolina State University)

Present EATT Mission Statement

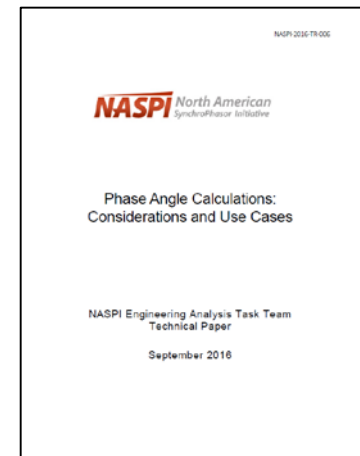
1. Facilitate the development, testing, and validation of engineering applications that use synchronized measurements
2. Develop recommended practices and guidelines for PMU placement, including application-specific recommendations
3. Regularly update **Reliability Councils** on the state of the synchrophasor technology and its applications
4. Assist in the deployment and utilization of synchronized wide-area measurement applications.
5. Formulate and guide recommended R&D activities related to the advancement of wide-area synchronized measurement systems and their applications

Activities

- [Integrating Synchrophasor Technology into Power System Protection Applications](#)
 - NASPI Technical Paper
 - Lead: Matthew Rhodes (SRP)

- [Phase Angle Calculations: Considerations and Use Cases](#)
 - NASPI Technical Paper
 - Lead: Ryan Quint (NERC)

- **Workshops**
 - Oscillation Detection and Voltage Stability Tools Technical Workshop
 - Model Verification Tools Technical Workshop



New Business

- Update Mission Statement
- Topics of Interest for New Activities (White Papers, Surveys, R&D, Workshops etc)
 - R&D: PMU Emulator
 - R&D: Phase Angle Based Limits
 - R&D: Events Knowledge Base/“Dictionary”
 - White Paper: Data Mining Techniques & Tools
- Identify EATT Contributors/Champions
- Initiate Monthly Calls