



Data & Network Management Task Team Report Out

Co-Chairs:

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Gaithersburg, MD



D&NMTT Breakout Agenda

- NASPI 2.0 -- Jeff Taft (PNNL)
- Update on DOE Grant Russell Robertson (GPA)
 - Tony Johnson – Tie in with IEEE standards body
- PMU-based Distributed Power System Stability Enhancement Framework -- Pavel Kovalenko & Alexey Danilin (GRT Corp.)
- PMU Registry for Automated Metadata Administration – Ryan Nice (PJM)
- Finalize Synchrophasor Archive Questionnaire – D&NMTT discussion
- Future state of NASPI --- D&NMTT as a task team



D&NMTT Breakout Agenda

- **NASPInet 2.0 Synchronphasor signal registry**
- Learn from implementation experiences
- Assess possible need for specification revision
 - what was useful; what was not
 - Specific lessons learned / challenges
- Consider:
 - emerging technologies
 - emerging use cases
 - new/revised systemic issues and priorities
- Guidance, not binding specification
- Ask for involvement / Review from DNMTT –
“Yes!”



D&NMTT Breakout Agenda

○ Update on DOE Grant - Russell Robertson (GPA)

- To document and implement a phasor data communication protocol that improves upon the IEEE C37.118 protocol
- Stand-alone API-style code that can be integrated into any development platform/project
- Looking to share with DNMTT for input review
 - Initial specification requirements / API Design – October 2017
 - Protocol Spec Draft / Alpha version / API Tool Kit – 2018
- Of course we said “yes.”



D&NMTT Breakout Agenda

- **PMU-based Distributed Power System Stability Enhancement Framework -- Pavel Kovalenko & Alexey Danilin (GRT Corp.)**
 - Talk covered a cloud based solution including a distributed platform “PowerLink” that is focused on IoT and Distribution utilities
 - Provides data processing automation, analytics, process monitoring and control.
 - Cloud based characteristics of the architecture and application GUI makes the offering very scalable and flexible



D&NMTT Breakout Agenda

- **PMU Registry for Automated Metadata Administration – Ryan Nice (PJM)**
 - No one in the organization has a full time job to support the administrative updates within the Phasor applications. -- PJM built a registry and GUI
 - One place to do the updates and all applications would be getting the most current information from this authoritative source.
 - All external data being received would be batch loaded into the registry
- Makes possible auto-administration of metadata across:
 - many platforms and mapping methodologies
 - constantly changing field (PDC) status and configuration



D&NMTT Breakout Agenda

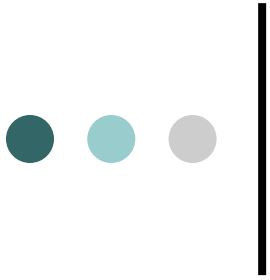
○ **DNMTT Business**

● Storage / Archival Survey

- What is in place today?
- Any specific challenges that were overcome?
- Any specific challenges that remain?

● Future of NASPI / Formation & Structure of the Task Team

- Group still voted on two WG meetings per year
- Much of what this group is involved in will always be evolving
- Investigate collaboration tools / Augment monthly calls



Thank you for participating!