Data & Network Management Task Team Report Out

Co-Chairs:

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Matthew Rhodes, Salt River Project

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Richmond, VA

Advanced Data Platform Experience

- Kevin Jones
- Architectural Influences on the Success of PredictiveGridTM at Dominion Energy - Power Delivery
- Tree structured time series database which is one architectural solution to the problems with performance when browsing large data sets
- Use the internet to transfer concentrated synchrophasor data to the sandbox environment using GEP (precursor to STTP) over an IPsec tunnel

Advanced Data Platform Experience

- Ben Bengfort
- Hybrid Storage for Highly Available Synchrophasor Archives
- Primary Goal: Availability
- Secondary Goal: Balance Cost/Performance
- Tiered approach to storage
- There is no such thing as "enough data".
- Not just using the cloud for data storage but for the applications as well

Call for Papers

- Matthew asked for input on a call for papers on archive architectures.
    - This will be a compliment to the survey and open to utilities and vendors
    - Can include papers on new technologies "available soon"

PMU Registry

- Discussion on Peak RC closure and need for central repository of unique 16-bit IDs

- Discussed original NERC DEWG allocation of 16-bit IDs to various entities

- Discussed requirements for a PMU registry application

D&NMTT Breakout

- DNMTT Business
  - Review survey results with Task Team
  - Publish survey results
  - Review draft of call for papers
  - Distribute call for papers
  - Document existing naming conventions
  - Develop document on minimum requirements for utility scale PMU registry

Thank you for participating!

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