

Data & Network Management Task Team (DNMTT) Minutes

Co-leads, Dan Brancaccio (dbrancaccio@bridgeenergygroup.com) and

([co-lead position is available](#))

Synchrophasor Archive and Network Strategy Task Force (SANSTF) Lead: Laurel Dunn (ldunn@berkeley.edu)

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September 2, 2021

- 1.) Roll call and introductions. Attendees listed below.
- 2.) Review Action Items
 - a. **All** – if you are planning to attend the NASPI WG meeting in October, registration is now open (<https://www.naspi.org/node/896>).
- 3.) New project discussion –
 - a. Matt Rhodes moved over to the EATT to co-lead with Evangleos. DNMTT is seeking a replacement, would like to seek an employee at a utility to help co-lead the DNMTT.
 - b. Dan is hopeful that within the next year or so there might be some new grant money coming out of [DOE] that will help up-kick DNMTT attendance.
 - c. Possible work areas/areas of importance:
 - Need to be careful with clocks and how they are set up with synchrophasor applications. Dan deals with frequent clock issues. Dan asserted that he has been experiencing clock issues in the field. Time of day vs. ticks counted within events confusion.
 - Dan would like to look back at our basic charter: data and network management – both on the archiving side for the data and network side, availability. Focus on a paper regarding naming conventions*. This is one of the biggest challenge's utilities struggle with; pmu name and signal. Some utilities think it isn't important to have a strong naming convention, however when they start working with data from several (>100) pmus that aren't labeled correctly, analyzing and troubleshoot the data can quickly get out of hand.
 - Dan would like to be the "go-to-place" for learning about the communication protocol; STTP. It has become very apparent as we start moving larger amounts of data over networks that the current protocols are not ideal for moving synchrophasor data frames around. Ritchie asserted the STTP standard is progressing well and should have a draft by year-end.
 - Cloud computing. Dan would like to hear from those that are using it. Pros and cons? What work and what are the issues.

Focused efforts; naming conventions, archiving, communication protocols, and clock issues. White paper or quick reference on "clocks" might be a future work product.

- 4.) Roundtable
 - Mark your calendar for the fall NASPI Work Group meeting October 5-7, 2021. Details are posted here and registration is open: <https://www.naspi.org/node/896>

Link to the DNMTT folder on Google Docs. This folder contains the most recent version of the **SABGANS paper** and the **NASPI 2019 Survey of Industry Best Practices for Archiving Synchronized Measurements paper**:

<https://drive.google.com/drive/folders/1dAqf7GrkdIuoQF1tUTn-dVUDbfpm4tt5?usp=sharing>

Anyone with this link can edit the content in this folder, Google sign-in required.

*Naming convention resources:

NASPI Synchrophasor Start Kit (Section 12) – DRAFT October 9, 2015: <https://www.naspi.org/node/355>

NASPI PDC Configuration Workshop Minutes: <https://www.naspi.org/node/389>. PDC Configuration Workshop, March 10, 2014 ([PDF](#)).

NASPI Synchrophasor Technical Report, Use of IEC 61850-90-5 to Transmit Synchrophasor Information According to IEEE 37.118, From NASPI tutorial October 16, 2012; August 2014 Update: <https://www.naspi.org/node/386>

D. Brancaccio. 2012. WECC WISP Technical Notes, PMU Identification Numbers: [WISP PMU Identification and Signal Naming.pdf \(wecc.org\)](#)

NASPI Technical Workshop – Communication and Networking Issues – San Diego, CA, April 2019:
<https://www.naspi.org/node/759> (naming conventions, D. Brancaccio's [slides](#).)

Attendees

Jan Mazan

John Volpert

Sarma NDR Nuthalapati

J. Ritchie Carroll

Manual Konig

Dan Brancaccio

Teresa Carlon

Yi Hu