

Data Network & Management Task Team (DNMTT) Minutes

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

Synchrophasor Archive and Network Strategy Task Force (SANSTF) Lead: Laurel Dunn (Indunn@berkeley.edu)
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June 3, 2021

- 1.) Roll call; see attendee list below.
- 2.) Review Action Items. All the action items have been completed except for the SABGANS standing item; list of interviewees and questions.
- 3.) Synchrophasor Application-Based Guide for Archive and Network Strategies (SABGANS) Status Update.
 - a. Synchrophasor Archive and Network Strategy Task Force (SANSTF) co-led by Laurel Dunn and Manjari Asawa. The charter of this TF is to develop the SABGANS guide.

Due to other professional organization meetings the TF did not meet in April or May. Laurel asserted that there were some great presentations related to existing systems and next generation research applications (data and communication requirements) from the NASPI April Work Group meeting and provided the DNMTT with an update on her progress and opened the floor to feedback from those attending today's call. Please use the Google Docs link below to see the updates Laurel has made to the outline of the document.

1. Drivers of cost (networks)
 - a. Data storage
 - b. Compute
 - c. Applications
2. Performance / benchmarks
 - a. Archive (technical performance)
 - b. User interaction (human performance)
 - c. Cyber security
 - d. Capabilities (features)
3. Distinguishing Features

Our call concluded with Laurel's update and discussion on "Distinguishing Features" and how do you get data out of the archives and do you really need to? Good discussion and engagement on the paper. We did not get to items 4 through 6.

- 4.) NASPI DNMTT focused Webinar
 - a. Synchrophasor Network Architecture Styles – Two Perspectives (Tony Faris – BPA and Kevin Jones (Dominion)?

- 5.) New project discussion – Investigation of network architecture for synchrophasor edge computing solutions (possible SAS contribution)
 - a. Investigate methods and examples of synchrophasor edge computing – White Paper?
 - b. What type of network and archiving architecture works best? (Can add value to SANSTF efforts)

- 6.) Roundtable

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.

Our next call is scheduled for July 1 at 9:00am PT / 12:00pm ET.

Attendees

Dan Brancaccio
Jan Mazan
John Volpert
Kaveri Mahapatra
Laurel Dunn
Manuel König
Rhodes Matthew E
Sarma NDR Nuthalapati
Teresa Carlon
Yi Hu