



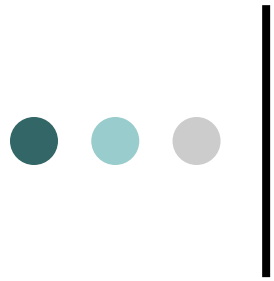
# Data & Network Management Task Team Report Out

Co-Chairs:

Dan Brancaccio, Quanta Technologies

Matthew Rhodes, Salt River Project

April 14, 2021



# DNMTT Report Out

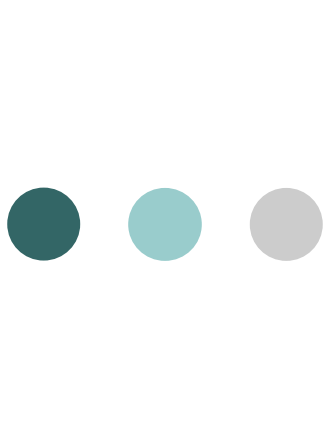
## Synchrophasor Archive and Network Strategy Task Force (SANSTF) Update

**SANSTF Lead:**

Laurel Dunn  
(PingThings)

**SANSTF Co-Lead:**

Manjari Asawa  
(Almika.net)



# SANSTF

DNMTT Task Force for the development of the Synchrophasor  
Application Based Guide to Archiving and Networking Solutions  
(SABGANS)



# Context

## **New technologies open new opportunities to advance synchrophasor applications**

- ❖ Communications speed, reliability, cost
- ❖ Cost of data storage / compute
- ❖ Ease / speed of data access in real-time and offline

## **Identified Needs:**

Summarize data requirements for enabling specific applications

Future outlook for application development / deployment given technology trends



# Aims and Scope

Summarize data requirements for PMU applications

Summarize capabilities of current / next generation:

- ❖ Communications network
- ❖ Archiving solutions

Determine enabling technologies required for different applications

Goal: Provide guidance to inform upgrades to data networking & management infrastructure



# Outline

Data requirements for synchrophasor application categories

Capabilities / limitations of network solutions

Capabilities / limitations of archive solutions

Considerations in choosing

- ❖ Data collection
- ❖ Ease of access (real-time and offline)
- ❖ Regulatory compliance



# Community Engagement

**Whitepaper submissions:** Seeking insights into the needs / capabilities of next-generation synchrophasor systems

**Stakeholder interviews:**

- ❖ What technologies have been instrumental in enabling certain use cases?
- ❖ What are the pain points in as-built systems?
- ❖ Challenging in rolling out upgrades
- ❖ Capabilities of new / emerging technologies

**Provide feedback:**

Stay tuned.



# DNMTT Report Out

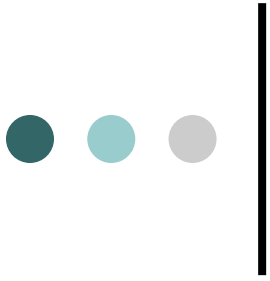
## ○ **DNMTT Webinar Series**

- ❖ Next possible Webinar

  - ❖ Webinar 2: Summary of NASPInet – Jeff Taft

- ❖ Future DNMTT Webinars – What do you want to learn about in relation to synchrophasor data networking and archiving/access?





Thank you for participating!