



Data & Network Management

North American  
Task Team

D&NMTT

SynchroPhasor

Focus

2023-2024

Initiative

# Online Meeting Dates and Times

- Occurs the third Thursday of every 1 month(s) effective 5/18/2023 until 12/21/2023 from 9:00 AM to 10:00 AM PT

# Data Sharing

- Data Sharing
  - PMU and Measurement naming convention
  - File Formats for Data Exchange
    - COMTRADE
    - JSIS
    - Other
  - Real Time vs. Archived
  - Meta Data
    - Get some value from the new 256-character limit
  - Any possibility of using CHAT-GPT?
  - NASPI NET 1.0 and 2.0

# Communication Protocols

- Communication Protocols
  - IEEE C37.118.2-2011 (what's new in 2023)
  - IEC 61850 (-90-5)
  - IEEE STTP (status update)

# PMU Registry

- Recommendation on need for central repository of unique Device 16-bit IDs
- Review original NERC DEWG allocation of 16-bit IDs to various entities
- Recommend requirements for a PMU registry application
- Does anyone care?
- Where to host?

# Data Archive

- Compression
- Duration
  - Long
  - Mid
  - Short
- Backfilling (STTP)
- Down sampling e.g., LSE
- Vendors

# Time Synchronization

- GPS (GNSS)
- PTP hard to deploy?
- Failure Modes
- Redundancy

# STTP

- What changes as a result of IEEE approval