

EIDSN Update

NASPI Work Group Meeting

October 19, 2022

Kent Simendinger, EIDSN Technical Director



EIDSN's Purpose

- Facilitate an efficient, effective and secure network for the sharing of operating reliability data among its members and participants.
- Promote the reliable and efficient operation of the Bulk Electric System (BES) through use of Electric Information Network (EInet).
- Sharing SCADA and synchrophasor data among appropriate entities.
- Facilitate the adoption, development and operation of software tools used by members and participants to enhance the reliable and efficient operation of the Bulk Electric System.



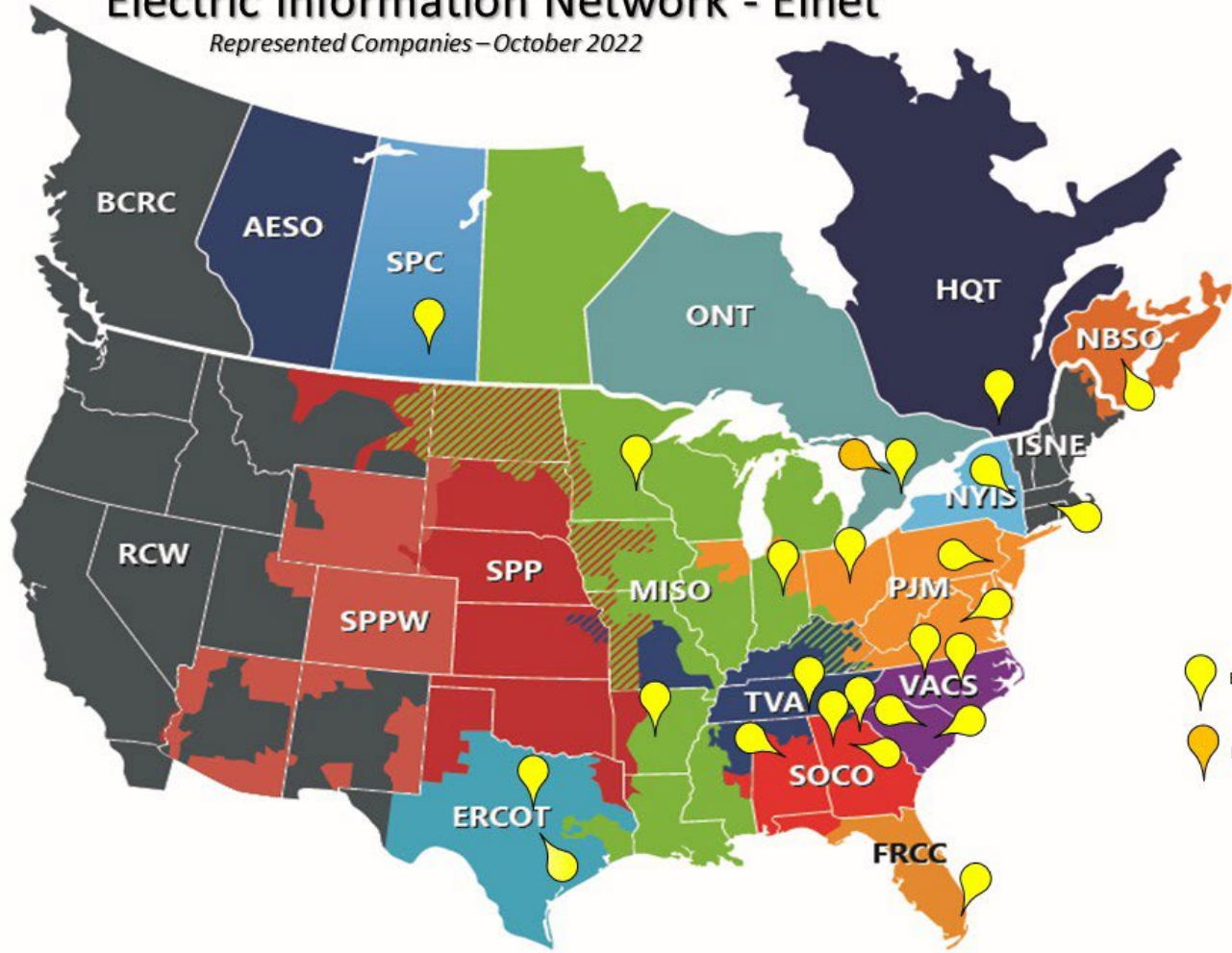
EIDSN Member Companies



- Duke Energy Carolinas, LLC (VACS)
- Florida Reliability Coordinating Council, Inc. (FRCC)
- Hydro-Quebec TransEnergie (HQ)
- Independent Electricity System Operator (IESO)
- ISO New England, Inc. (ISONE)
- Midcontinent Independent System Operator, Inc. (MISO)
- NB Power Corporation (NBPC)
- New York Independent System Operator, Inc. (NYISO)
- PJM Interconnection, L.L.C. (PJM)
- Southern Company Services, Inc. (SoCo)
- Southwest Power Pool, Inc. (SPP)
- Tennessee Valley Authority (TVA)



Electric Information Network - Elnet

Represented Companies - October 2022



-  Elnet Node(s) in place
-  In progress October 2022

Elnet & Synchrophasor Data

- Elnet - A private, vendor-diverse, redundant, encrypted and scalable MPLS network endorsed as the replacement for NERCnet.
- Production synchrophasor data sharing over Elnet continues to evolve
- EIDSN's Advisory & Technical Committee topics
 - After careful consideration of the results of the DoE ESAMS pilot project, the Advisory Committee elected not to adopt the ESAMS tool into EIDSN's portfolio.
 - The TC continues to encourage synchrophasor data exchange
 - Elnet bandwidth consumption forecasts and monitoring
 - # of phasors/PMU's and types in scope by company
 - Data Retention period (compressed and uncompressed)
 - Alternative protocols and sharing architectures
 - Elnet architecture, supporting technologies, encryption and cybersecurity



Joining EIDSN, Inc.

- Nonstock, nonprofit corporation - 501(c)(6)
- Eastern Interconnection restriction for affiliation with the organization removed in 2018
- EIDSN Affiliation is based on the organization's NERC designation and/or selection and (shown here). Only RC's can be Members.

	Member	Participant	User
NERC Designation	Reliability Coordinator	RC, TO, TOP, BA	RC, TO, TOP, BA

- GO/GOP's may also join as network users if sponsored by existing member/participant.
- Agreements requiring execution of Master Confidentiality Agreement
 - Network Service Agreement
 - Member OR Participant Agreement



EIDSN Contact Information

<https://www.eidsn.org>

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