EIDSN Update

NASPI Work Group Meeting
April 14, 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.
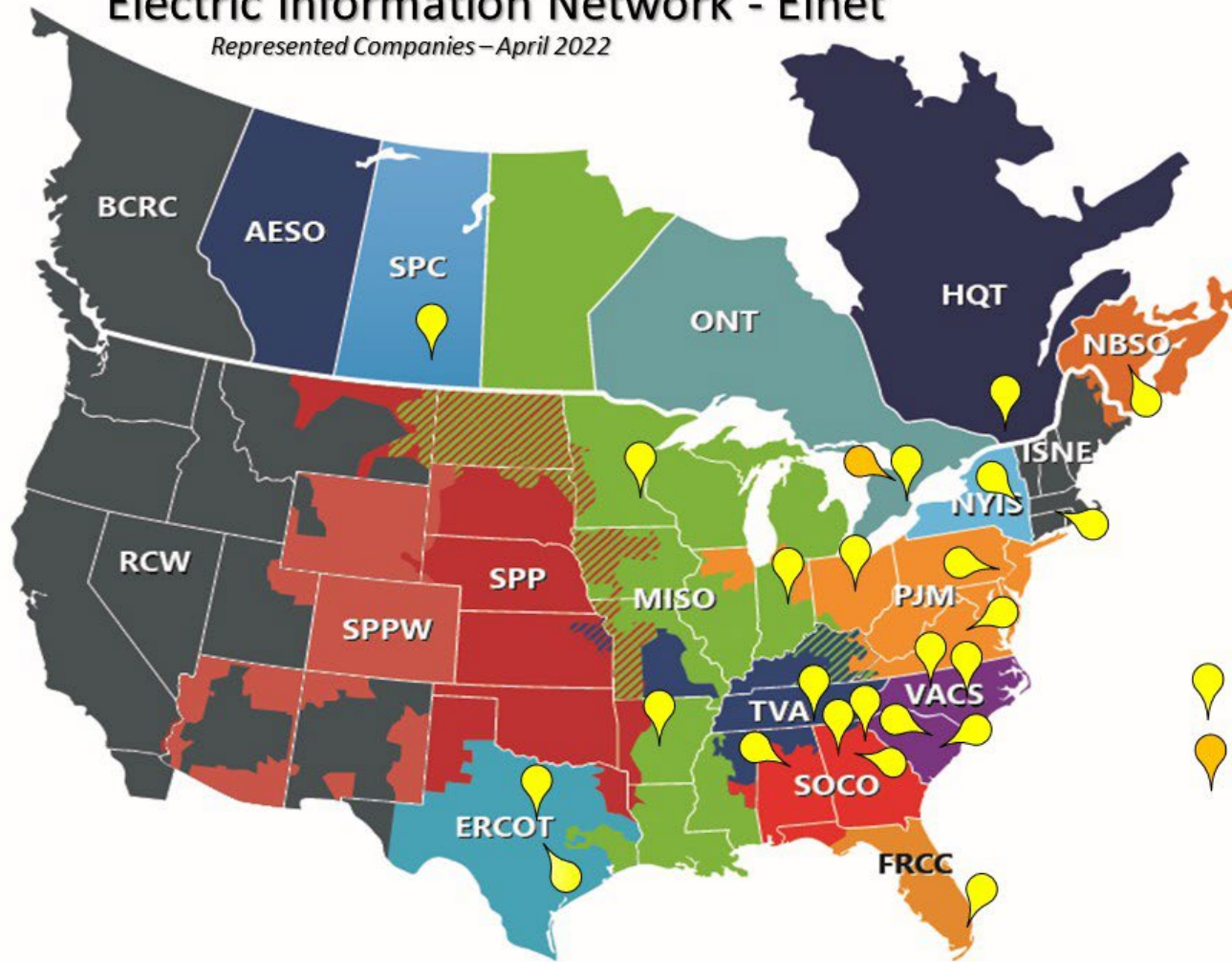
EIDSN Member Companies

- 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)

EInet & Synchrophasor Data

- EInet - A private, vendor-diverse, redundant, encrypted and scalable MPLS network endorsed as the replacement for NERCnet.

- Production synchrophasor data sharing over EInet continues to evolve

- EIDSN's Advisory & Technical Committee topics
  - Evaluation of DoE ESAMS project, as well as other potential similar tools to benefit situational awareness through data sharing for the Eastern Interconnect
  - Are other members contemplating synchrophasor data exchange?
  - EInet 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
  - EInet supporting technologies, encryption and security

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, Regional Entity

- GO/GOP's may also join as network users if sponsored by existing member/participant.

- Agreements requiring execution
  - Master Confidentiality Agreement
  - Network Service Agreement
  - Member OR Participant Agreement

EIDSN, Inc.

EIDSN Contact Information

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