

Welcome to



**January 23, 2023
2:00 – 3:30 p.m.**

PUBLIC

Technical Talk with RF

January 23, 2:00 – 3:30 p.m.

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conversation at
Slido.com
#TechTalkRF



Technical Talk with RF

January 23, 2:00 – 3:30 p.m.

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Tech Talk Reminders

Please keep your information up-to-date

- CORES, Generation Verification Forms, Entity Profile Questionnaires (quarterly)

Following an event, send EOP-004 or OE-417 forms to disturbance@rfirst.org
CIP-008-6 incident reports are sent to the [E-ISAC](#) and the [DHS CISA](#)

Check our [monthly CMEP update](#) and [quarterly newsletter](#) for:

- [2023 ERO Periodic Data Submittal schedule](#)
- Timing of Standard effectiveness

BES Cyber System Categorization (CIP-002-5.1a)

- Assess categorization (low, medium, or high) regularly and notify us of changes

CIP Evidence Request Tool V6.0 is online, see [website](#)



Tech Talk Announcement



ERO Enterprise unveils Entity Onboarding Checklist

The new [ERO Enterprise Entity Onboarding Checklist](#) provides Primary Compliance Contacts an easy guide for signing up for essential, reliability-focused applications and communications.

This resource is in addition to the [ERO Enterprise 101 Informational Package](#) and the [ERO Enterprise Registration Procedure](#).

ERO Enterprise Entity Onboarding Checklist

The Electric Reliability Organization (ERO) Enterprise is looking forward to working with you to maintain the reliability and security of the bulk power system (BPS). Ensuring electric reliability is no small task. To help you get started, the ERO Enterprise has created a short checklist of action items that will help you get involved and keep you up to date on BPS reliability and security matters!

The purpose of this checklist is to help new Primary Compliance Contacts (PCCs), Primary Compliance Officers (PCOs), and Alternate Compliance Contacts (ACCs) with signing up for the applications and communications provided by the ERO Enterprise. To learn more specific details about initial steps for new entities and new entity contacts, please review the [ERO Enterprise 101 Informational Package](#) and the [ERO Enterprise Registration Procedure](#).

Required Action Items for Registered Entity Contacts

- Set up an [ERO Portal](#) account. The ERO Portal is used to access the Centralized Organization Registration ERO System (CORES), which is used across the ERO Enterprise for all registration activities, as well as to access [Align](#) and the [ERO Secure Evidence Locker](#) (SEL), which are used for compliance and enforcement activities.
- Update contact roles in CORES. Review the [CORES Video Library](#) and Chapter 2 of the [CORES User Guide](#).
- Manage ERO Portal application permission rights in the ERO Portal. Review Chapter 5 of the [ERO Portal User Guide](#).
- Submit Section 1600 Reporting based on NERC Function. See Table 1.1.

| Reporting Type* | Description | Required For | Access Needed | Contact E-mail |
|--|--|--|--|--|
| Demand Response Availability Data System (DADS) | Mandatory semi-annual reporting for entities with dispatchable demand response programs over 10 MW and in service over 12 months | Balancing Authority (BA), Distribution Provider (DP) | QATI_NERC_Web Portal | dads@nerc.net |
| Generation Availability Data System (GADS) | Mandatory quarterly reporting of generator performance and outage data for conventional generating units that are 20 MW and larger, including smaller units that are aggregated | GO | QATI_NERC_Web Portal | gads@nerc.net |
| Generation Availability Data System Wind (GADS.Wind) | Mandatory quarterly reporting of generator performance data for wind plants that are 75 MW and larger | Generator Operator (GOP) | ERO Portal, GADS.Wind.Data Submission.Access | gadswind@nerc.net |
| Geomagnetic Disturbance Data (GMD) | Mandatory annual reporting of GMD device information and GMD event data or indicating that the entity does not have GMD equipment | GO, Transmission Owner (TO) | ERO Portal, GMD permission(s) | gmd@nerc.net |
| Misoperations Information Data Analysis System (MIDAS) | Mandatory quarterly reporting of protection system operation and misoperation data for Bulk Electric System (BES) elements or indicating that the entity does not have MIDAS equipment | DP, GO, TO | ERO Portal, MIDAS permission(s) | midas@nerc.net |
| Transmission Availability Data System (TADS) | Mandatory quarterly reporting of transmission line and transformer outage data for BES elements 100 kV or greater | TO | QATI_NERC_Web Portal | tads@nerc.net |




Tech Talk Announcement

NERC
NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

2023 ERO Enterprise Compliance Monitoring and Enforcement Program Implementation Plan

Version 1.0
October 2022

RELIABILITY | RESILIENCE | SECURITY



3353 Peachtree Road NE
Suite 600, North Tower
Atlanta, GA 30326
404-446-2560 | www.nerc.com

| Table 1: 2022 Risk Elements |
|---|
| Remote Connectivity |
| Supply Chain |
| Models Impacting Long-term and Operational Planning |
| Gaps in Program Execution |
| Protection System Coordination |
| Extreme Events |

| Table 2: 2023 Risk Elements |
|-----------------------------|
| Remote Connectivity |
| Supply Chain |
| Incident Response |
| Stability Studies |
| Inverter-Based Resources |
| Facility Ratings |
| Cold Weather Response |

[Link](#) for Report



Tech Talk Announcement



Distributed Energy Resources (DER) Guidelines, White Papers, & Workshops

- Quick Reference Guide ([link](#))
- DER Resource Strategy ([link](#))
- DER Impacts to Under Voltage Load Shedding Program Design ([link](#))
- NERC Reliability Standards Review ([link](#))
- DER Modeling Study – Thresholds ([link](#))
- All NERC Reliability Guidelines, Security Guidelines, Technical Reference Documents ([link](#))



Tech Talk Announcement



New Strategy Seeks to Ensure Reliability by Integrating Cyber and Physical Security into Grid Planning, Design, and Operation

The transformation of the grid is expanding the existing attack surface due to the changing resource mix as well as the use of emerging technologies, additional communications and industrial controls and remote control capabilities. Focusing on and mitigating these known and emerging cyber and physical security risks is critical to the ERO Enterprise's mission of assuring the reliability, resilience and security of the North American electric grid.

To that end, NERC is integrating cyber and physical security concepts more holistically into transmission planning, engineering design and system operations to ensure that mitigating security controls are considered as early in the process as possible. The new [NERC Security Integration Strategy](#), which is primarily focused on risk identification and validation, prioritization and development of possible mitigations, outlines ERO priorities to enhance security integration through working collaboratively with electricity sector stakeholders.



Tech Talk Announcement

Certification Reminder

This reminder is to ensure Entities registered as a Balancing Authority (BA), Reliability Coordinator (RC), and/or Transmission Operator (TOP) are aware of the Organization Certification Review and Readiness Evaluation processes. Readiness Evaluations may be required for Entities taking on responsibilities for certified Entities (e.g., Transmission Owners (TO-LCCs) in the PJM footprint).

[Appendix 5A Sec. V](#) of the Rules of Procedure governs Certification Reviews. Readiness Evaluations are also governed by Appendix 5A Sec. V and states, “Each Entity that has taken responsibility for Reliability Standards and/or Requirements/sub-Requirements applicable to the certifiable functions by virtue of being a member of a JRO, CFR, or other agreement shall be the entity NERC certifies to operate their portion of the RC, TOP, or BA Area(s).”

The decision to certify and evaluate changes to an already operating and certified Registered Entity is a collaborative decision between the affected Regional Entity and NERC. NERC has the final authority regarding this decision. Items that are to be considered in this decision include one or more of the following:

- Changes to Registered Entity’s footprint (including de-certification changes to existing JRO/CFR assignments or subset list of requirements):
- Relocation of the Control Center:
- Modification of the Energy Management System (EMS) which is expected to materially affect CIP security perimeters or the System Operator’s: 1) situational awareness tools, 2) functionality, or 3) machine interfaces.

If you are planning a change that falls into one of these categories, an Organizational Certification Review or Readiness Evaluation may need to be performed. Please complete the form titled “RF Certification Notification and Preliminary Questionnaire” that is located [here](#):

In order to allow for time in scheduling, it is requested, if possible, that you **provide 12 months advance notice** of your changes to allow sufficient time for RF to review the changes and begin the process.

This includes changes in ownership of BES Facilities, changes in the applicability of the BES Definition to a Facility, and newly installed BES Facilities.



Tech Talk Announcement

Cold Weather Preparedness Small Group Advisory Sessions (SGAS)

NERC will host small group advisory sessions with registered entities and the Regional Entities to assess the implementation of the Cold Weather Preparedness Standards:

- EOP-011-2 (Emergency Preparedness and Operations); R7 & R8 only
- IRO-010-4 (Reliability Coordinator Data Specification and Collection); R1.3 only
- TOP-003-5 (Transmission Operator Data Specification and Collection); R1.3 only

The event will consist of two parts:

- **General Session Live Webinar** – open to industry, early March
- **SGAS One-on-One Sessions** – must register, first-come, first-serve basis

Send SGAS registration requests to Yvette.Landin@nerc.net by January 27



Tech Talk Announcement



Reliability Leadership Summit

- January 25, 8:30 – 5:00 Eastern ([Link](#))

The 2023 Reliability Leadership Summit gathers industry leaders, ISO/RTO officials, state utility regulators, key federal officials, and NERC and Regional Entity senior leadership, focusing on four specific areas:

- Energy Policy;
- Security;
- Grid Transformation and Impact on Resiliency; and
- New Technologies.

Results and observations from the Summit will be used to identify, assess, and manage reliability priorities across the Electric Reliability Organization (ERO) and documented in the RISC's biennial report (see the [2021 Report](#) for background).



Tech Talk Announcement



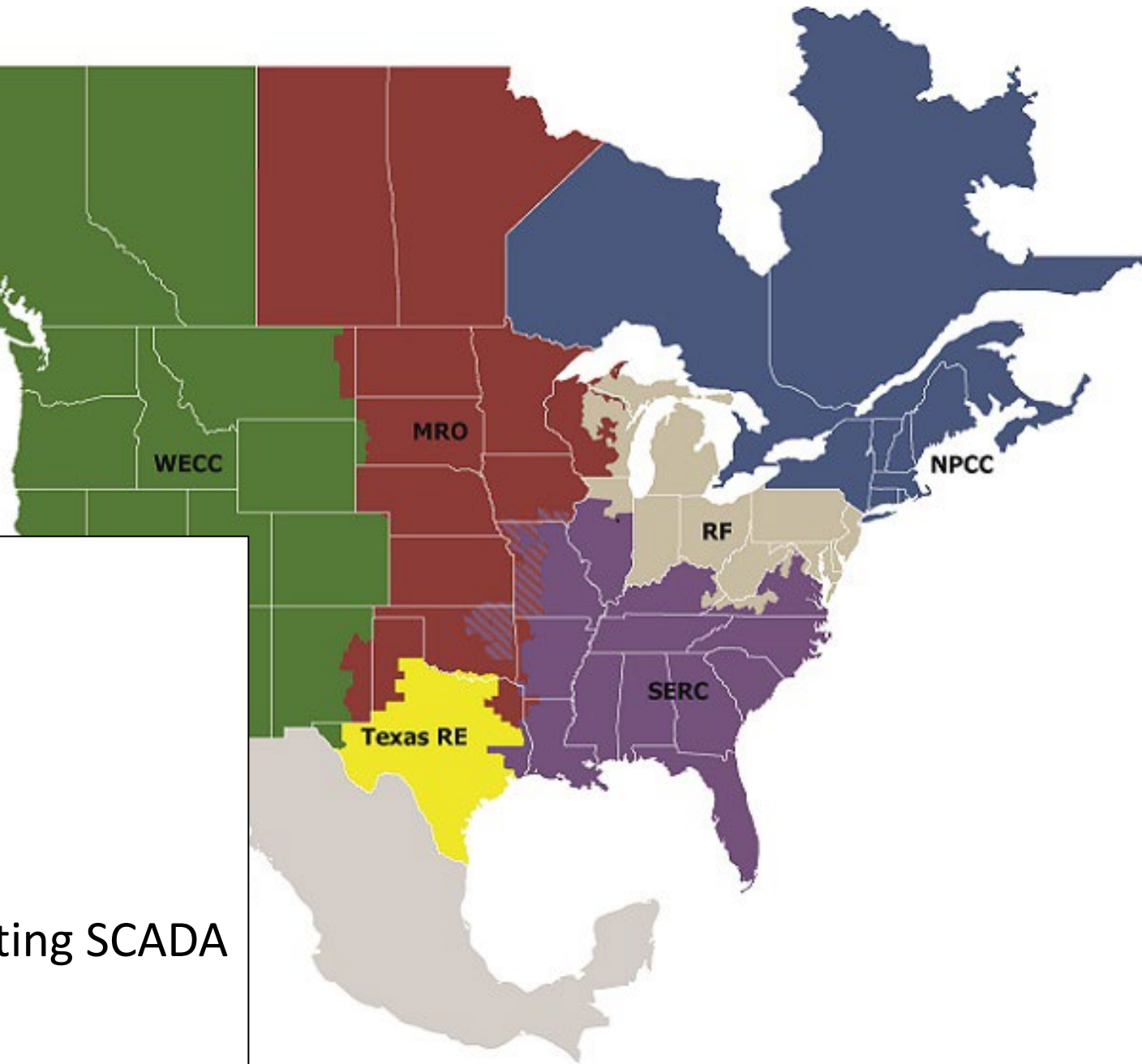
GridSecCon 2023

- October 17-20 Save the Dates

NERC, the E-ISAC, and Northeast Power Coordinating Council (NPCC) are co-hosting the 12th annual grid security conference on October 17–20, 2023 in Québec City, Canada.

GridSecCon brings together cyber and physical security leaders from industry and government to deliver expert training sessions, share best practices and effective threat mitigation programs, and present lessons learned. Conference and hotel registration will open in May and more details will be available on the E-ISAC, NERC and NPCC websites.





Talk with Texas RE

Odessa Disturbance

- January 24 ([Link](#))

Cybersecurity Threats

- February 14 ([Link](#))

APT Cyber Tools Targeting SCADA

- March 9 ([Link](#))

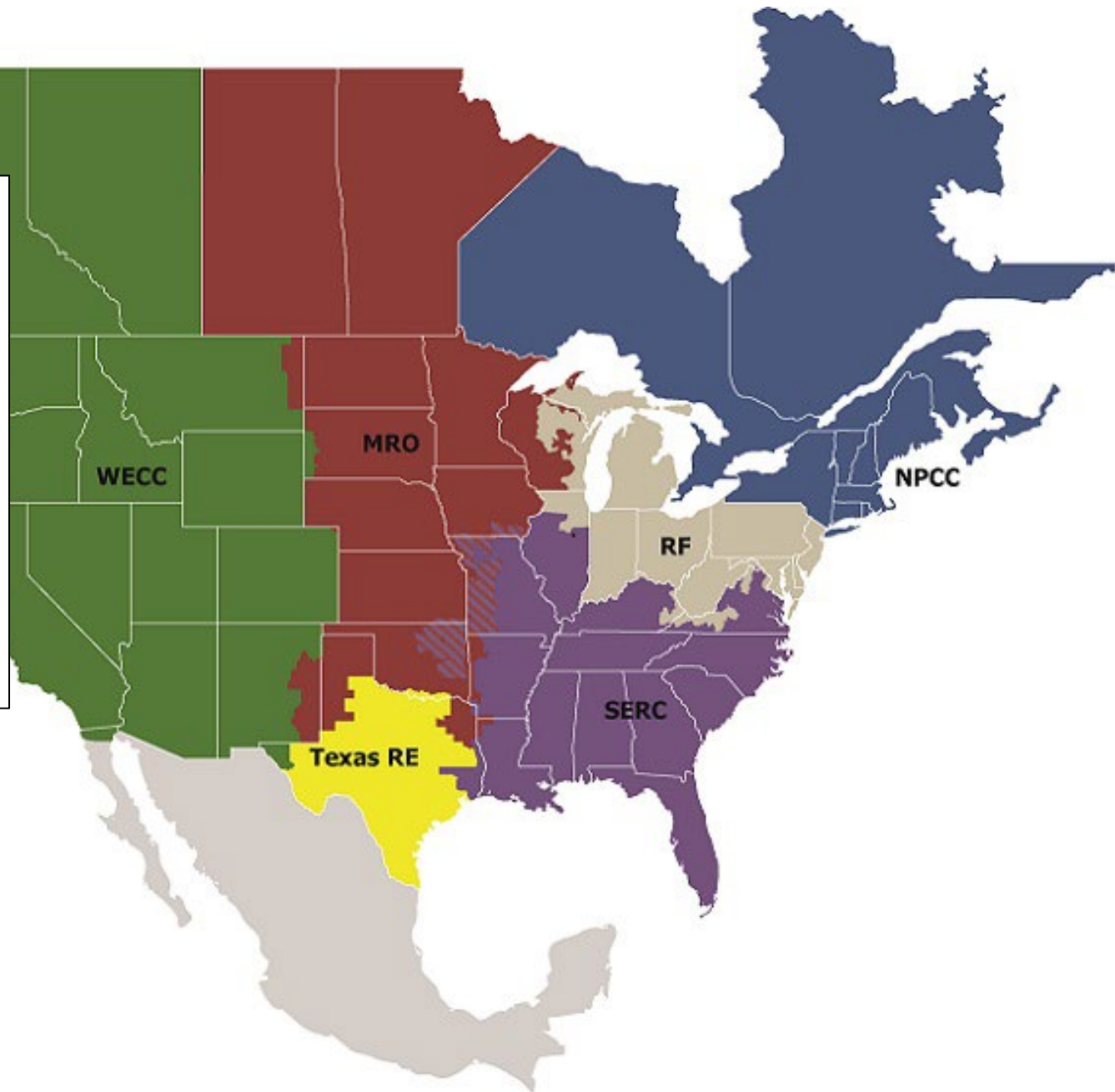


Reliability & Security Oversight Monthly Update

- February 16 ([link](#))

Resource Adequacy Discussion Series

- February 2 ([link](#))
- March 2 ([link](#))
- April 6 ([link](#))



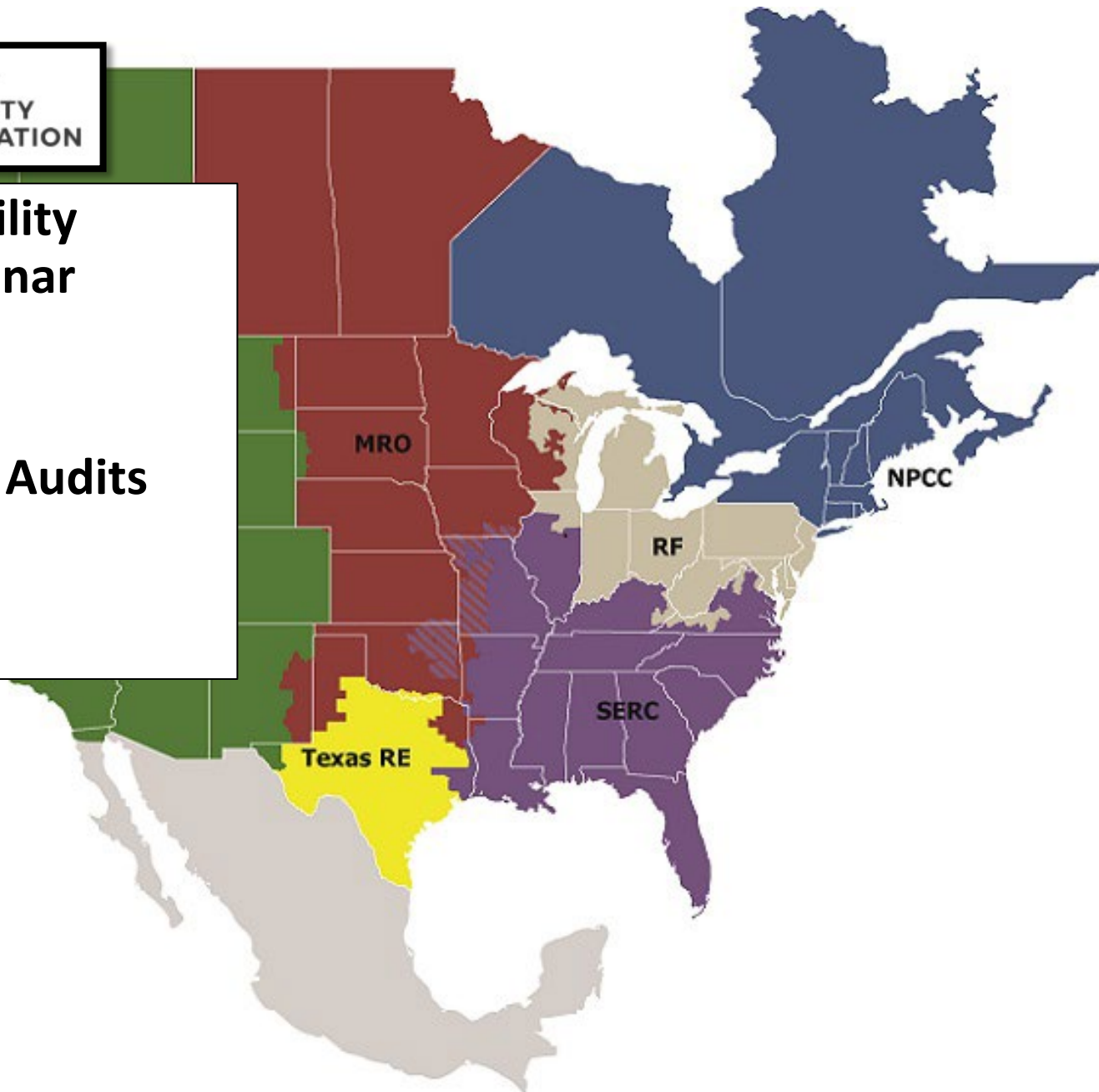


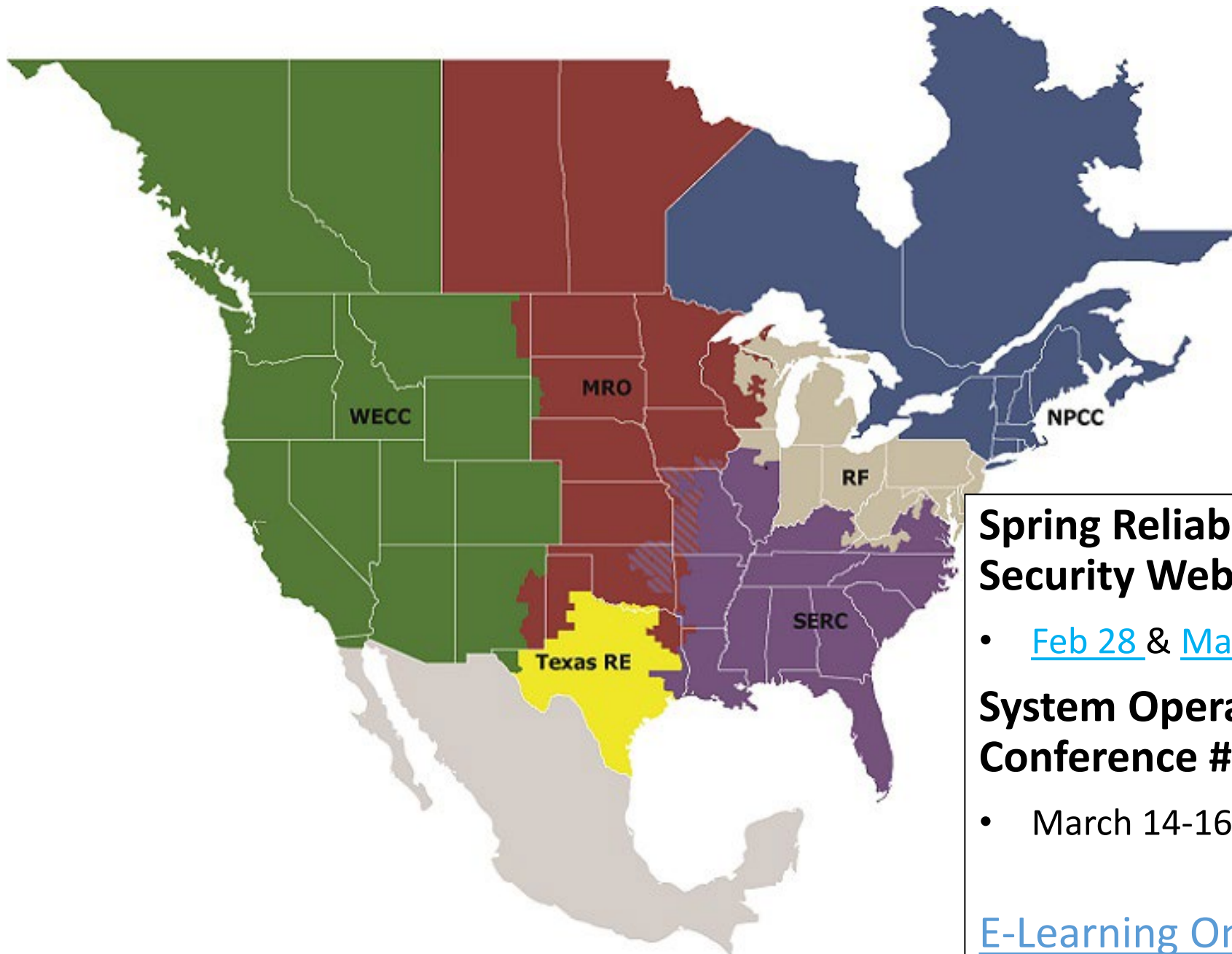
Long-Term Reliability Assessment Webinar

- January 26 ([Link](#))

Utilizing Align for Audits

- February 16 ([Link](#))





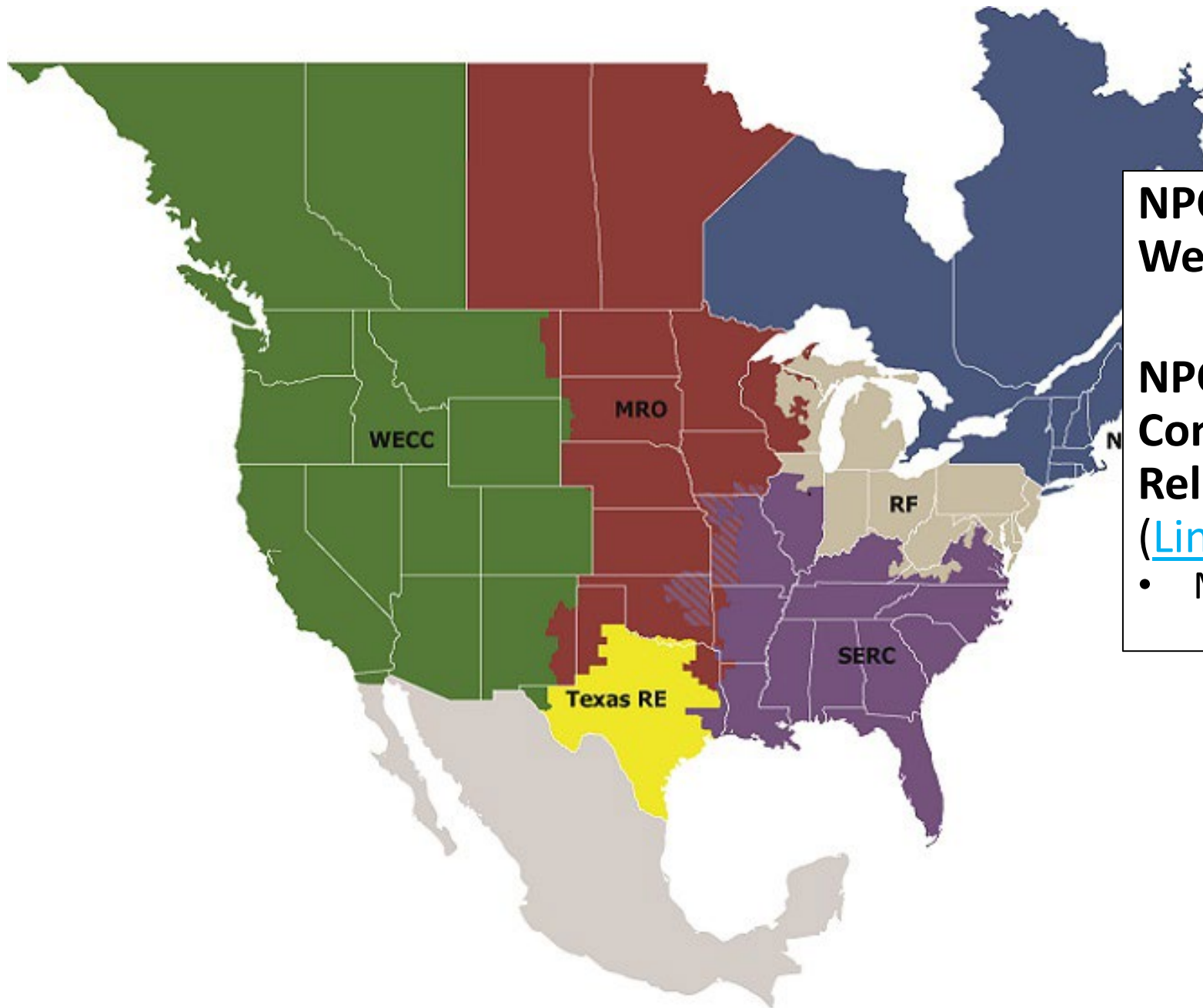
Spring Reliability and Security Webinar

- [Feb 28](#) & [March 1](#)

System Operator Conference #1

- March 14-16 ([Link](#))

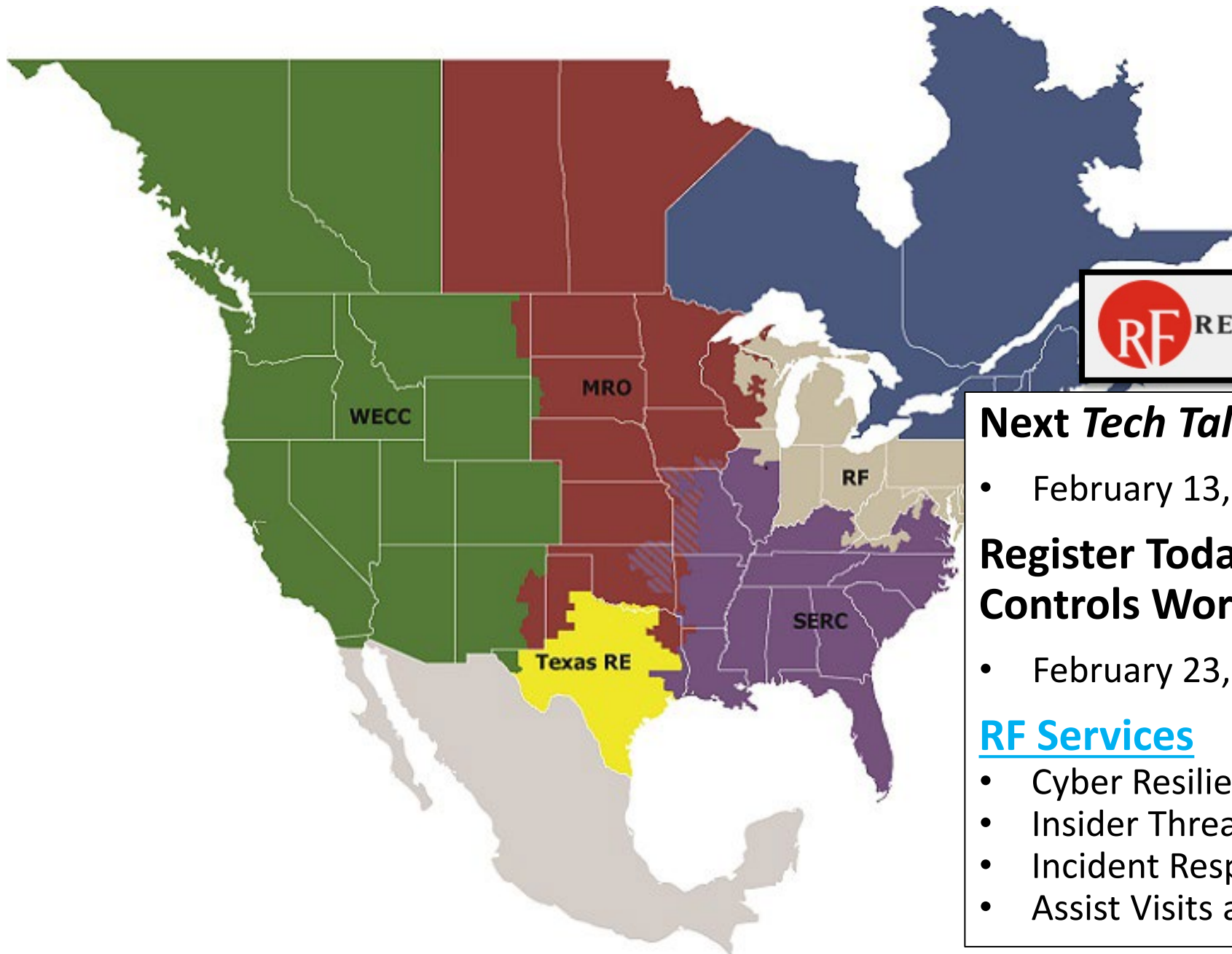
[E-Learning Online Courses](#)



**NPCC Generator
Welcome Packet ([Link](#))**

**NPCC Spring
Compliance and
Reliability Webinar
([Link](#))**

- May 18



Next Tech Talk with RF

- February 13, 2:00-3:30

Register Today! Internal Controls Workshop

- February 23, in-person

RF Services

- Cyber Resilience Tool
- Insider Threat Assessment
- Incident Response Tabletops
- Assist Visits and Appraisals

Tech Talk Announcement

No Registration Required

- [Calendar Link](#)
- [Webex Link](#)



Tech Talk for February is moved up one week due to Presidents' Day. Please save the date for February 13, 2:00 – 3:30 p.m.

- CIP Themes Report Panel Discussion





THE BEACONS ARE LIT!



[Eventbrite page is LIVE!](#)

Join us for the **2023 Internal Controls Workshop** on February 23 at the Cleveland Holiday Inn. The workshop will be technical and interactive, so be sure to bring your SMEs. The content and scenarios will concentrate on FAC-008, CIP-005, and CIP-007 risks, but the concepts can translate to other standards as well.

To register, attendees will need to provide their NCR number.

This event is not open to the media. Contractors may attend on behalf of an entity within the RF footprint and must include the NCR number of the entity they are representing.

There are more details on the Eventbrite – seats are filling fast, so register today!

ONE WORKSHOP TO RULE THEM ALL...

Save the Date: March 13

ReliabilityFirst State Outreach Webinar



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Monday, January 23, 2023

2:00 – 3:30 p.m.



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January 23, 2:00 – 3:30 p.m.

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Tech Talk Reminders

Tech Talk with RF announcements are posted on our calendar on www.rfirst.org under **Upcoming Events**



UPCOMING EVENTS [VIEW ALL](#)

January 23, 2023

Technical Talk with RF



Anti-Trust Statement

It is ReliabilityFirst's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct which violates, or which might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition.

It is the responsibility of every ReliabilityFirst participant and employee who may in any way affect ReliabilityFirst's compliance with the antitrust laws to carry out this policy.



Tech Talk Agenda

RF 2023-2028 Strategic Plan

Jeff Craig – Senior Vice President, Reliability and Risk



RF's State Outreach Initiative

Diane Holder – Vice President, Entity Engagement and Corporate Services



Resource Assessments Summary

Tim Fryfogle – Principal Engineer, Engineering and System Performance

