

Standards, Compliance, and Enforcement Bulletin

February 16–21, 2021

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ACTIVE STANDARDS POSTINGS

Current and Upcoming Ballots (ballot periods close at 8:00 p.m. Eastern)

Project	Action	Start Date	End Date
Project 2019-06 – Cold Weather EOP-011-2, IRO-010-4, TOP-003-5	Initial Ballots and Non-Binding Polls	03/03/21	03/12/21
Project 2016-02 – Modifications to CIP Standards Virtualization	Initial Ballots and Non-Binding Polls	03/12/21	03/22/21
Join Ballot Pools			
Project	Action	Start Date	End Date
Project 2016-02 – Modifications to CIP Standards Virtualization	Join Ballot Pools	01/22/21	02/19/21
Project 2019-06 – Cold Weather EOP-011-2, IRO-010-4, TOP-003-5	Join Ballot Pools	01/27/21	02/25/21

Posted for Comment

Project	Action	Start Date	End Date
Project 2019-04 – Modifications to PRC-005-6 SAR	Comment Period	01/14/21	02/26/21
Project 2019-06 – Cold Weather EOP-011-2, IRO-010-4, TOP-003-5	Comment Period	01/27/21	03/12/21
Project 2016-02 – Modifications to CIP Standards Virtualization	Comment Period	01/22/21	03/22/21
OTHER ACTIVE COMMENT PERIODS			
Posted for Comment			
Posting	Action	Start Date	End Date
<p>Comment Period Open for Draft Reliability Guideline: Operating Reserve Management - Version 3: This reliability guideline is intended to provide recommended practices for the management of an appropriate mix of Operating Reserve as well as readiness to respond to loss of load events. It also provides guidance with respect to the management of Operating Reserve required to meet the NERC Reliability Standards. The guideline applies primarily to Balancing Authorities (BAs) or, as appropriate, contingency reserve sharing groups (RSGs), regulation RSGs, or frequency response sharing groups. For ease of reference, this guideline uses the common term “responsible entity” for these entities, and allows the readers to make the appropriate substitution applying to them when participating or not in various groups.</p>	Please submit comments via email using the comment form .	02/01/21	03/18/21
<p>Comment Period Open for Draft Balancing and Frequency Control Reference Document: The NERC Resources Subcommittee (RS) drafted this reference document to cover balancing and frequency control concepts, issues, and recommendations. The document is intended to explain the concepts and issues of balancing and frequency control. The goal is to provide an understanding of the fundamentals. Nothing in this document is intended to be used for compliance purposes or to establish obligations.</p>	Please submit comments via email by using the comment form .	02/04/21	03/21/21

<p>Comment Period Open for Proposed Revisions to Section 1003 of the NERC Rules of Procedure: NERC is proposing revisions to section 1003 of its Rules of Procedure (ROP) in accordance with the directive in the FERC Order on Compliance Filings related to NERC’s Five Year Performance Assessment. Section 1003 of the ROP describes NERC’s infrastructure security program, including, among other things, its operation of the Electricity Information Sharing and Analysis Center (E-ISAC). Consistent with FERC’s directive, the proposed revision modifies section 1003 to require NERC to share with FERC any All-Points Bulletins. The Clean Text of Proposed Revisions to Rules of Procedure Section 1003 and Redlined Text of Proposed Revisions to Rules of Procedure Section 1003 are available for review. NERC intends to submit these changes to the NERC Board of Trustees for approval at their May 2021 meeting.</p>	<p>Please submit comments electronically to ROPcomments@nerc.net.</p>	<p>02/05/21</p>	<p>03/22/21</p>
<p>NEW Comment Period Open for Draft Reliability Guideline: Area Control Error Diversity Interchange Process – Version 3: The objective of this reliability guideline is to distribute key best practices and information on specific issues critical to maintaining the highest levels of Bulk Electric System (BES) reliability. Reliability guidelines are not to be used to provide binding norms or create parameters by which compliance to standards is monitored or enforced. While the incorporation and use of guideline practices is strictly voluntary, the review, revision, and development of a program using these practices is highly encouraged to promote and achieve the highest levels of reliability for the BES. The NERC Reliability and Security Technical Committee (RSTC) reviewed the initial draft of the Reference Document and approved it to be posted for industry comment.</p>	<p>Please submit comments via email using the comment form.</p>	<p>02/02/21</p>	<p>03/26/21</p>

STANDARDS NEWS

NEW Webinar Resources Posted

NERC has posted the [streaming webinar](#) and [slide presentation](#) from the February 4, 2021 Project 2019-04 – Modifications to PRC-005-6 webinar.

Quick Links

- [Register in the SBS](#)
- [Projected Standards Posting Schedule](#)
- [Project Tracking Spreadsheet](#)
- [2019–2021 Reliability Standards Development Plan](#)
- [Quality Review Application](#)
- [One-Stop Shop \(Status, Purpose, Implementation Plans, FERC Orders, RSAWs\)](#)
- [CIP Standards Efficiency Review](#)
- [Submit Questions or Feedback](#)

GENERAL COMPLIANCE AND ENFORCEMENT NEWS

NEW ERO Enterprise Launches Quarterly Compliance Podcast

NERC is pleased to announce the launch of the new quarterly ERO Enterprise compliance podcast called “[Currently Compliant](#).” Hosted by ERO Enterprise subject matter experts (SMEs), “Currently Compliant” is intended to be a quick way to bring attention to frequently asked questions on which the SMEs have some clear insights to share. While there are multiple places to look for compliance material, “Currently Compliant” hopes to be viewed like a Q&A session after a workshop or catching up with the experts over an appetizer and beverage at a reception. The SMEs always strive to bring you useful and correct insights, but the facts and circumstances of your situation may not fit their assumptions. It’s always best to reach out to compliance contacts at your relevant Regional Entity for specific questions.

Quick Links

- [Compliance Monitoring & Enforcement Program One-Stop Shop](#)
- [CIP V5 Transition Program](#)
- [ERO Enterprise Program Alignment Process](#)
- [Consistency Reporting Tool \(EthicsPoint\)](#)
- [Risk-Based Registration Initiative](#)
- [Reliability Standard Audit Worksheets](#)
- [Enforcement & Mitigation: Enforcement Actions](#)
- [Align Project \(formerly CMEP Technology Project\)](#)

The inaugural episode is focused on [PRC-019-2 R1](#) and features the following regional SMEs:

- Keith Smith, Manager, O&P Compliance Monitoring, Texas RE
- Rumyana Kreidler, Senior Risk Assessment and Mitigation Engineer, MRO
- Kimberly Griffith, Senior Compliance Engineer, NPCC

- Brian Thiry, Manager, Entity Engagement, ReliabilityFirst
- Ryan Mauldin, Senior Compliance Assurance Advisor, NERC

For any suggestions or questions, please contact compliancequestions@nerc.net and put “Currently Compliant” in the subject line.

NEW Updating Registered Entity Contacts in CORES

In preparation for the pending move to the new CMEP Align system in 2021, the ERO Enterprise will enable new functionality in the Centralized Organization Registration ERO System (CORES) allowing registered entities to make changes to their own registered entity contact roles (i.e., PCO, PCC, ACC, etc.) directly in CORES. The ERO Enterprise plans to release this new CORES software functionality soon and will notify registered entities when the software is released.

By enabling this additional functionality, CORES will ultimately become the official system of record for registered entities to maintain their contact information. It is essential to keep current and accurate registered entity contacts in CORES because the data will be needed in Align, which will start rolling out to the registered entities on March 31, 2021. The ERO Enterprise will be operating in both the legacy systems (CDMS, CDAA, and the SERC Compliance & Committee Portal) and the ERO Portal with CORES until the transition to Align is completed. There have been substantial checks made to ensure that contact roles will be accurate, current and up to date in all systems, but it is up to registered entities to verify and update any new changes to contact roles, as needed.

OTHER NEWS

NEW GridEx VI Registration Reminder

The sixth grid security exercise, GridEx VI, is scheduled to take place November 16 –17, 2021. The exercise, which occurs every two years, is hosted by NERC and the E-ISAC. The distributed play exercise allows participants to engage remotely, and simulates a cyber and physical attack on the North American electricity grid and other critical infrastructure. GridEx also gives participants a forum to demonstrate how they would respond to and recover from coordinated cyber and physical security threats and incidents.

[Registration](#) for GridEx VI is open for **Lead Planners and Planners**. Industry members and government partners participating in GridEx VI are encouraged to assign planners to coordinate each organization’s planning process and exercise conduct.

- Smaller organizations may assign planning responsibilities to a single person.

- Larger organizations may choose to assign a Lead Planner who will coordinate with other Planners that represent business functions within the organization.

The GridEx VI Midterm Planning Meeting (MPM) is scheduled for February 24, 2021. All registered GridEx VI Lead Planners and Planners are invited to attend and will receive information on how to register for the MPM webinar. The MPM will provide an opportunity for planners to learn about the GridEx VI scenario, exercise injects, and supporting materials, and identify next steps in the planning process.

Lead Planners and Planners must be E-ISAC members. For more information or assistance, please contact GridEx@eisac.com. More information on GridEx VI is available in the [GridEx VI Fact Sheet](#) and the [Planner Recommendations](#) document.

NEW Lessons Learned Posted

Two new lessons learned have been posted on the NERC website on the [Lessons Learned](#) page:

- [Root Cause Analysis Tools – Barrier Analysis](#)
- [Root Cause Analysis Tools – Change Analysis](#)

NEW NERC Report Highlights Major Contribution to Reliability Offered by Battery Storage

NERC's [Impacts of Electrochemical Utility-Scale Battery Energy Storage Systems on the Bulk Power System](#) report was released on February 8. The assessment emphasizes some of the potential reliability benefits that battery energy storage systems can offer, such as providing peaking capacity; minimizing the need for new generation and transmission infrastructure; and providing essential reliability services (e.g., frequency response, ramping, and voltage support).

“North America currently has less than 2 GW of battery storage, but that capacity is projected to increase 100 percent to 4 GW by 2023,” said Thomas Coleman, NERC’s chief technical advisor of Engineering and Standards. “The rapid transformation of the transmission grid to meet carbon goals while maintaining reliability, security, and resilience is a primary focus for industry and regulators. It is abundantly clear that battery energy storage systems have a key role in accomplishing that goal.” The full announcement is available [here](#).

NEW NERC Staff Featured on Northwest Power Pool for “Power Insights” Podcast

Northwest Power Pool (NWPP) has released the first two episodes of their new “Power Insights” podcast, hosted by Dave Angell. [Episode 1: DER Data Collection for Modeling and Transmission Studies](#) is focused on the distributed energy resource (DER) data collection for modeling in

transmission planning studies, based on a [reliability guideline](#) published by the NERC System Planning Impacts from DER Working Group (SPIDERWG) in September 2020. This episode features:

- **Ryan Quint**, Senior Manager of BPS Security and Grid Transformation, NERC
- **Ian Beil**, Transmission Planner, Portland General Electric
- **Kun Zhu**, Senior Manager of Generator Interconnection, MISO

[Episode 2: San Fernando Event](#) is focused on NERC’s latest [disturbance analysis](#) of the July 2020 San Fernando fault event involving the reduction of about 1000 MW of bulk power system(BPS)-connected solar photovoltaic facilities and some distributed energy resources in the Southern California region. This episode features:

- **Ryan Quint**, Senior Manager of BPS Security and Grid Transformation, NERC
- **Rich Bauer**, Associate Principal Engineer, Event Analysis, NERC

STANDARDS SUBJECT TO FUTURE ENFORCEMENT

Please refer to the [U.S. Effective Dates page](#) for the most up-to-date information on effective dates and for more detail on the below.

U.S. Effective Dates for Reliability Standards

U.S. Effective Date	Standard(s)
April 1, 2021	FAC-002-3 – Facility Interconnection Studies
	INT-006-5 – Evaluation of Interchange Transactions
	INT-009-3 – Implementation of Interchange
	IRO-002-7 – Reliability Coordination – Monitoring and Analysis
	IRO-010-3 – Reliability Coordinator Data Specification and Collection
	MOD-031-3 – Demand and Energy Data
	MOD-033-2 – Steady-State and Dynamic System Model Validation
	NUC-001-4 – Nuclear Plant Interface Coordination
	PER-006-1 – Specific Training for Personnel
	PRC-004-6 – Protection System Misoperation Identification and Correction
PRC-006-4 – Automatic Underfrequency Load Shedding	
PRC-027-1 – Coordination of Protection Systems for Performance During Faults	

	TOP-001-5 – Transmission Operations TOP-003-4 – Operational Reliability Data
July 1, 2021	TPL-007-4 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R12 and R13)
January 1, 2022	PRC-012-2 – Remedial Action Schemes (Requirement R9) TPL-007-4 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R6, 6.1–6.4, R10, 10.1–10.4)
July 1, 2022	CIP-012-1 – Cyber Security – Communications between Control Centers PRC-002-2 – Disturbance Monitoring and Reporting Requirements (100% compliance for Requirements R2–R4, R6–R11)
October 1, 2022	PRC-024-3 – Frequency and Voltage Protection Settings for Generating Resources
January 1, 2023	TPL-007-4 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R3, R4, 4.1, 4.1.1–4.1.2, 4.2, 4.3, 4.3.1, R8, 8.1, 8.1.1–8.1.2, 8.2, 8.3, 8.3.1)
July 1, 2023	TPL-001-5.1 – Transmission System Planning Performance Requirements Implementation Plan
January 1, 2024	TPL-007-4 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R7, 7.1–7.3, 7.3.1–7.3.2, 7.4, 7.4.1–7.4.3, 7.5, 7.5.1., R11, 11.1–11.3, 11.3.1–11.3.2, 11.4, 11.4.1–11.4.3, 11.5, and 11.5.1)

BOARD OF TRUSTEES AND FERC ACTION

NEW FERC Open Meeting Agenda Posted

FERC has released the [Sunshine Agenda](#) for its upcoming February 18, 2021 open meeting. There are no items of interest for NERC.

UPCOMING EVENTS

For information about other NERC events, such as meetings and conference calls for other standing committees, subcommittees, task forces, and working groups, please refer to the [NERC calendar](#).

Workshops and Conferences

There are no workshops or conferences currently scheduled.

Webinars

- Update on IEEE P2800 Activities – 1:00–2:00 p.m. Eastern, February 18, 2021 | [Register](#)

- **UPDATED** Project 2016-02 – Modification to CIP Standards Industry Webinar Part 1 – 1:00–3:00 p.m. Eastern, February 23, 2021 | [Register](#)
- Project 2016-02 – Modification to CIP Standards Industry Webinar Part 2 – 3:00–5:00 p.m. Eastern, March 3, 2021 | [Registration Details Coming Soon](#)

Standing Committee Meetings and Conference Calls

- Personnel Certification Governance Committee Meeting – February 8–10, 2021 | [Register](#) | [Agenda](#)
- **UPDATED** Standards Committee Meeting – 1:00–3:00 p.m. Eastern, February 17, 2021 | [Register](#) | [Agenda](#)

Standard Drafting Team Meetings and Conference Calls

The [Standards calendar](#) provides dial-in information for the in-person meetings below. The calendar also provides information about conference calls that drafting teams may hold in addition to in-person meetings.

There are no standard drafting team meetings currently scheduled.

ABOUT THE STANDARDS, COMPLIANCE, AND ENFORCEMENT BULLETIN

This weekly bulletin compiles a list of standards, compliance, and enforcement projects with actionable deadlines, as well as upcoming events, recently posted resources, other NERC documents posted for comment, and other relevant news and information. Please email [Amy Klagholz](#) with feedback on this bulletin. The current bulletin and old bulletins are available under “Program News” on both the [Standards home page](#) and the [Compliance & Enforcement home page](#).

If you would like to receive this bulletin or be added to the distribution list for a particular project, please submit a ticket through the [Help Desk](#). Select the “NERC Email Distribution List” option under the “Applications” menu. In the Description Box, please specify which lists you would like your email address to be added to or note which announcements you would like to receive. This bulletin is distributed to several lists, including the Standards distro list (Standards-specific announcements) and the NERC-info distro list (most NERC announcements).