

Standards, Compliance, and Enforcement Bulletin

June 24–30, 2019

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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 2016-02 – Modifications to CIP Standards CIP-002-6	Additional Ballot and Non-binding Poll	07/08/19	07/17/19
Project	Action	Start Date	End Date
Project 2016-02 – Modifications to CIP Standards CIP-002-6	Join Ballot Pools	06/03/19	07/02/19
Posted for Comment			
Project	Action	Start Date	End Date
Project 2016-02 – Modifications to CIP Standards Virtualization and Future Technologies: Case for Change White Paper	Comment Period	05/30/19	06/28/19

Project 2016-02 – Modifications to CIP Standards CIP-002-6	Comment Period	06/03/19	07/17/19
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OTHER ACTIVE COMMENT PERIODS

Posted for Comment			
Posting	Action	Start Date	End Date
<p>Comment Period Open for First Draft of NERC’s 2020 Business Plan and Budget: The first draft of NERC’s 2020 business plan and budget and the first drafts of the Regional Entities’ 2020 business plans and budgets are now available on NERC’s website. A presentation providing a summary of the NERC 2020 business plan and budget and ERO Enterprise combined 2020 budgets and assessments are posted as part of these materials. Presentations providing a summary of each Regional Entity business plan and budget are also posted.</p> <p>NERC has posted the following documents for review and/or comment:</p> <ul style="list-style-type: none"> • Cover Letter • NERC 2020 Business Plan and Budget Overview • ERO Enterprise Combined 2020 Budgets and Assessments Overview 	<p>Please direct all comments and/or questions to Erika Chanzas.</p>	05/17/19	06/28/19
<p>Comment Period Open for Draft Reliability Guideline: Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources: The NERC Inverter-Based Resource Performance Task Force (IRPTF) developed the draft Reliability Guideline: Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources. This guideline serves as a resource for TOs to consider as</p>	<p>Submit comments via email using the comment form.</p>	06/07/19	07/24/19

<p>they continually develop and enhance interconnection requirements per FAC-001-3 and interconnection study requirements per FAC-002-2. The recommendations provided in this guideline are also applicable to Generator Owners, Transmission Planners, Planning Coordinators, Reliability Coordinators, Transmission Operators, and Balancing Authorities. Considerations for distributed energy resources (DERs) are outside the scope of this guideline.</p> <p>The NERC Planning Committee and NERC Operating Committee reviewed the initial draft of the guideline and approved it to be posted for industry comment.</p>			
<p>Comment Period Open for Version 4.0 of the Draft ERO Event Analysis Process and Appendices: In an effort to continually improve the ERO Event Analysis Process and Appendices (EAP) the NERC Event Analysis Subcommittee (EAS) periodically reviews the EAP for any required revisions and edits. The NERC Operating Committee (OC) approved to post these documents for a 45 day industry comment period to gather feedback from industry.</p> <p>The EAS has completed the review of the EAP and is proposing changes to the definitions of category’s 1ai, 1d, 1i, 1j, 2c, 3a, 4a and other general updates to help improve the EAP. These proposed changes are based on knowledge that the EAS has gained throughout the implementation of the process and industry participation and feedback to the ERO Event Analysis Process and Appendices.</p> <p>ERO Event Analysis Process Document – Version 4.0 Click here for: Redline Version Clean Version</p> <p>ERO Event Analysis Process Document – Appendices – Version 4.0 Click here for: Redline Version Clean Version</p>	<p>Submit comments via email using the comment form.</p>	<p>06/10/19</p>	<p>07/25/19</p>

<p>NEW Comment Period Open for Regional Reliability Standard BAL-002-WECC-3: WECC received a Standard Authorization Request requesting retirement of BAL-002-WECC-2a, Requirement R2 as it would become redundant with the implementation of BAL-003-1.1., Requirement R1 on April 1, 2016. WECC conducted a field test and concluded that the retirement of BAL-002-WECC-2a, Requirement R2 would not have an adverse impact on reliability. Therefore, WECC proposes to retire Requirement R2 in WECC Regional Reliability Standard BAL-002-WECC-3.</p>	<p>Use the SBS to submit comments. If you experience any difficulties using the electronic form, contact Nasheema Santos.</p>	<p>06/20/19</p>	<p>08/05/19</p>
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STANDARDS NEWS

NEW Save the Date for Electromagnetic Pulse Task Force Workshop

The Electromagnetic Pulse (EMP) Task Force will host a workshop on July 25, 2019, in Atlanta, GA. During this workshop the task force will request input from industry stakeholders on certain EMP topics. Following industry input received, the EMP Task Force will continue their work via conference calls and in-person meetings towards EMP recommendations.

This workshop will have limited space for in-person attendance; however, WebEx will be available for those interested. Registration details will be posted soon.

Quick Links

- [Register in the SBS](#)
- [Projected Standards Posting Schedule](#)
- [Project Tracking Spreadsheet](#)
- [Standards Related Questions – Single Portal](#)
- [2017–2019 Reliability Standards Development Plan](#)
- [Quality Review Application](#)
- [One-Stop Shop \(Status, Purpose, Implementation Plans, FERC Orders, RSAWs\)](#)

GENERAL COMPLIANCE AND ENFORCEMENT NEWS

NEW RSAWs Posted

Two new Reliability Standard Audit Worksheets (RSAWs) are now available on the [RSAW page](#) of NERC.com under the heading “Current RSAWs for Use:”

- PRC-027-1 – Coordination of Protection Systems for Performance during Faults applies to Generator Owners, Transmission Owners, and applicable Distribution Providers. The standard becomes effective October 1, 2020.
- The errata change for EOP-006-3 – System Restoration Coordination updates Part 8.1 to read “two calendar years” following the standard language. It applies to Reliability Coordinators.

Quick Links

- [Risk-Based CMEP](#)
- [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 \(formerly CMEP Technology Project\)](#)

CORES Update

The Centralized Organization Registration ERO System ([CORES](#)) Technology Project orientation and training videos for the ERO Portal have been posted and can be accessed on the [Registration](#) website along, with an initial set of videos showing “how to” register for an account on the ERO Portal. The ERO Portal will be the gateway to the CORES application and is required to access CORES. Additional CORES training videos will be posted as they become available and can be accessed [here](#).

To ensure appropriate training opportunities and a good user experience for registered entities, the ERO Enterprise will be executing the launch with additional outreach, training, and engagements. As part of the roll-out for CORES, there will be additional outreach activities and other related applications and projects (ERO Portal Registration, Multiple Factor Authentication, and ERO Enterprise Help Desk) that will continue to be released and made available to registered entities through to the end of September to coincide with the first release of the Align application.

On June 18th, the ERO will enhance system security with the addition of Multi-Factor Authentication (MFA). This new requirement will be enabled on the ERO Portal and entity contacts must access the system using the enhanced MFA security feature. MFA is an intuitive, feature-rich security enhancement that requires a second “factor” like a mobile device to authenticate into the ERO Portal.

What should entity contacts do first? On June 18, [register](#) your email address for ERO Portal Access. If you already have an ERO portal account, log in using your existing credentials and you will be prompted to begin the steps to activate MFA for your device. Click [here](#) for a Quick Start Guide or [here](#) for a more detailed User Guide.

What should entities do next? The focus right now is on having registered entity contacts complete initial registrations in the ERO Portal and activate MFA for your device. Click [here](#) for a Quick Start Guide or [here](#) for a more detailed User Guide.

Next steps will include posting additional CORES materials, webinars which will be conducted by the ERO Enterprise (NERC and Regional Entities), and additional details about the roll-out plans will be communicated shortly.

Registration staff will be reaching out to registered entity contacts that have not registered in the ERO Portal over the next month to ensure a smooth transition. If you would like more information about the project, please contact [Ryan Stewart](#), senior manager of Registration and Certification. In addition, each Region has a registration point of contact for the project that is listed below.

Regional Contacts	
Region	Email
ReliabilityFirst	compliance@rfirst.org
SERC & FRCC	support@serc1.org
Texas RE	abby.fellinger@texasre.org
NPCC	mkozub@npcc.org
WECC	mdalebout@wecc.org
MRO	Registration@mro.net
NERC	NERC.Registration@NERC.net

OTHER NEWS

NEW Resources Posted

The [presentation](#) and [streaming webinar](#) from the June 19, 2019 Substation Fires: Working with First Responders webinar have been posted on the NERC website.

NEW Grid Planners, Operators Manage Transformation, Security of Bulk Power System

The electricity industry is undergoing significant change, which presents both new challenges and opportunities for the reliability and security of the bulk power system. While ongoing performance measures show positive trends in generation, transmission, and protection and control performance, NERC's [2019 State of Reliability](#) encourages continued vigilance as the evolving resource mix and cyber and physical security threats continue to present critical challenges.

This year's assessment identified seven key findings, with extreme weather events being identified as the leading contributors to transmission, generation and load loss. Weather was responsible for the two category 3 bulk power system events across the Electric Reliability Organization Enterprise's footprint in 2018, the report finds. For more information, please see the [full announcement](#).

GridSecCon 2019 Registration is Now Open

NERC's Electricity Information Sharing and Analysis Center and the SERC Reliability Corporation are hosting the ninth annual grid security conference on October 22–25 in Atlanta, GA.

[GridSecCon 2019](#) will bring together cyber and physical security experts from industry and government to share emerging security trends, policy advancements, and lessons learned related to the electricity industry. NERC held the first GridSecCon in New Orleans in October 2011, and has rotated through the NERC Regional Entities across North America.

Call for GridSecCon 2019 Abstracts

NERC needs your expertise to produce the most rewarding sessions for grid security professionals at GridSecCon 2019. As a leader in grid security, your views on best practices and the challenges industry faces are invaluable. [Submit an abstract](#) today for training sessions or lightning round presentations for GridSecCon 2019, October 22–25, 2019, in Atlanta.

The E-ISAC is seeking abstracts from:

- Asset owners and operators in a physical or cyber security role;
- Academic researchers in the electricity industry;
- Sector-specific trade associations;
- Government partners;
- Cross-sector partners; and
- Industry vendors.

Please complete and submit your [abstract submission](#) by June 28. For more information or assistance, email events@eisac.com.

STANDARDS SUBJECT TO FUTURE ENFORCEMENT

Please refer to the [U.S. Effective Dates page](#) for more detail on the standards listed below.

U.S. Effective Dates for Reliability Standards	
U.S. Effective Date	Standard(s)
July 1, 2019	PER-003-2 – Operating Personnel Credentials
	TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R1 and R2)
January 1, 2020	CIP-003-7 – Cyber Security — Security Management Controls
	PRC-026-1 – Relay Performance During Stable Power Swings (Requirements R2–R4)
	TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R5, 5.1, 5.2, R9, 9.1, and 9.2)
July 1, 2020	CIP-005-6 – Cyber Security – Electronic Security Perimeter(s)
	CIP-010-3 – Cyber Security — Configuration Change Management and Vulnerability Assessments
	CIP-013-1 – Cyber Security — Supply Chain Risk Management
	PRC-002-2 – Disturbance Monitoring and Reporting Requirements (50% compliance for Requirements R2–R4, R6–R11)
October 1, 2020	PER-006-1 – Specific Training for Personnel
	PRC-027-1 – Coordination of Protection Systems for Performance During Faults
January 1, 2021	PRC-012-2 – Remedial Action Schemes

July 1, 2021	TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R11 and R12)
January 1, 2022	TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R6, 6.1–6.4, R10, 10.1–10.4)
July 1, 2022	PRC-002-2 – Disturbance Monitoring and Reporting Requirements (100% compliance for Requirements R2–R4, R6–R11)
January 1, 2023	TPL-007-3 – 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, 8.3, 8.4, and 8.4.1)
January 1, 2024	TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R7, 7.1, 7.2, 7.3, 7.3.1–7.3.2, 7.4, 7.4.1–7.4.3, 7.5, and 7.5.1.)

BOARD OF TRUSTEES AND FERC ACTION

NEW FERC Open Meeting Action

FERC issued an [order](#) approving Reliability Standard CIP-008-6 – Cyber Security – Incident Reporting and Response Planning, noting that the approved standard enhances the security of the Bulk Electric System (BES). The approved standard expands mandatory reporting requirements to include Cyber Security Incidents that either compromise or attempt to compromise Electronic Security Perimeters and Electronic Access Control or Monitoring Systems associated with medium- and high-impact BES Cyber Systems. The revised standard also addresses the information to be included in Cyber Security Incident reports and any subsequent updates. Reports and updates will be sent to the Electricity Information and Sharing Analysis Center and the Department of Homeland Security's National Cybersecurity and Communications Integration Center for United States entities. The broadened reporting requirements help to enhance awareness of existing and future cyber security threats or vulnerabilities.

FERC also issued a [notice of proposed rulemaking](#) (NOPR) proposing to approve Reliability Standard TPL-001-5 – Transmission System Planning Performance Requirements. TPL-001-5 revises the current standard to address (1) reliability issues concerning the study of single points of failure of protection systems; and (2) directives from Order No. 786 regarding planned maintenance outages and stability analysis for spare equipment strategy. In addition, the NOPR proposes to direct NERC to develop and submit modifications to require corrective action plans for protection system single points of failure in combination with a three-phase fault if planning studies indicate potential cascading.

UPCOMING EVENTS

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

Workshops and Conferences

- 2019 Industry Standards and Compliance Workshop – July 23–24, 2019, Minneapolis, MN | [In-person Registration](#) | [Webinar Registration](#) | [Hotel Registration](#)
- **SAVE THE DATE** Electromagnetic Pulse Task Force Workshop – July 25, 2019, Atlanta | **Registration Details Coming Soon**
- GridSecCon 2019 – October 22–25, 2019, Atlanta | [Register](#)

Webinars

There are no webinars currently scheduled.

Standing Committee Meetings and Conference Calls

- Standards Committee Meeting – 10:00 a.m.–3:00 p.m. Eastern, June 26, 2019 | [Register](#) | [Agenda Package](#)
- **NEW** Member Representatives Committee Pre-Meeting Conference Call and Informational Webinar – 11:00 a.m.–Noon Eastern, July 19, 2019 | [Register](#)
- Board of Trustees Committees, Member Representatives Committee, and Board of Trustees Meetings – August 14–15, 2019, Québec, QC | [Meeting Registration and Hotel Information](#)

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.

- Project 2016-02 – Modifications to CIP Standards Drafting Team Meeting – June 25–27, 2019, Tacoma, WA | [Register](#)
- **NEW** Project 2018-04 – Modifications to PRC-024-2 Drafting Team Conference Call – 3:00–5:00 p.m. Eastern, June 26, 2019 | [Register](#)
- **NEW** Project 2018-04 – Modifications to PRC-024-2 Drafting Team Conference Call – 1:00–4:00 p.m. Eastern, July 11, 2019 | [Register](#)
- **NEW** Project 2016-02 – Modifications to CIP Standards Drafting Team Meeting – July 16–18, 2019, Washington, D.C. | [Register](#)

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 Desselle](#) 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).