

# Standards, Compliance, and Enforcement Bulletin

July 1–7, 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
<a href="#">Project 2016-02 – Modifications to CIP Standards</a>   CIP-002-6	<a href="#">Additional Ballot and Non-binding Poll</a>	07/08/19	07/17/19

Project	Action	Start Date	End Date
<a href="#">Project 2016-02 – Modifications to CIP Standards</a>   CIP-002-6	<a href="#">Join Ballot Pools</a>	06/03/19	07/02/19

### Posted for Comment

Project	Action	Start Date	End Date
<a href="#">Project 2016-02 – Modifications to CIP Standards</a>   CIP-002-6	<a href="#">Comment Period</a>	06/03/19	07/17/19

<b>NEW</b> <a href="#">Project – 2018-04 Modifications to PRC-024-2</a>   Supplemental SAR	<a href="#">Comment Period</a>	06/27/19	07/26/19
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**OTHER ACTIVE COMMENT PERIODS**

Posted for Comment			
Posting	Action	Start Date	End Date
<p><b>Comment Period Open for Draft Reliability Guideline: Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources:</b> The NERC Inverter-Based Resource Performance Task Force (IRPTF) developed the draft <a href="#">Reliability Guideline: Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources</a>. This guideline serves as a resource for TOs to consider as 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>	Submit comments via <a href="#">email</a> using the <a href="#">comment form</a> .	06/07/19	07/24/19
<p><b>Comment Period Open for Version 4.0 of the Draft ERO Event Analysis Process and Appendices:</b> 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)</p>	Submit comments via <a href="#">email</a> using the <a href="#">comment form</a> .	06/10/19	07/25/19

<p>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><a href="#">ERO Event Analysis Process Document – Version 4.0</a> Click here for: <a href="#">Redline Version</a>   <a href="#">Clean Version</a></p> <p><a href="#">ERO Event Analysis Process Document – Appendices – Version 4.0</a> Click here for: <a href="#">Redline Version</a>   <a href="#">Clean Version</a></p>			
<p><b>Comment Period Open for Regional Reliability Standard BAL-002-WECC-3:</b> 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 <a href="#">SBS</a> to submit comments. If you experience any difficulties using the electronic form, contact <a href="#">Nasheema Santos</a>.</p>	<p>06/20/19</p>	<p>08/05/19</p>
<p><b>NEW Comment Period Open for Parameterization of the DER_A Model Draft Reliability Guideline:</b> The NERC System Planning Impacts from Distributed Energy Resources Working Group (SPIDERWG) developed the <a href="#">draft Reliability Guideline: Parametrization of the DER_A Model</a>. This reliability guideline provides background on the DER modeling framework previous proposed in other NERC Reliability Guidelines, information on relevant interconnection standards (e.g.,</p>	<p>Submit comments via <a href="#">email</a> using the <a href="#">comment form</a>.</p>	<p>06/24/19</p>	<p>08/07/19</p>

<p>IEEE Std. 1547-2003, IEEE Std. 1547a-2014, IEEE Std. 1547-2018, and CA Rule 21), and how the DER_A model parameters can be modified to account for a mixture of vintages of inverter-interfaced DER.</p> <p>The Planning Committee reviewed the initial draft of the guideline and approved posting for industry comment. A draft version of the Reliability Guideline has been posted on the NERC website for industry comment.</p>			
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## STANDARDS NEWS

There is no additional Standards news to report for this week.

### 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 Newly Effective Standards**

On July 1, 2019, the following standards became effective:

- [PER-003-2 – Operating Personnel Credentials](#)
- [TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events \(Requirements R1 and R2\)](#)

### **NEW Compliance Guidance Updated**

There are three new Proposed Implementation Guidance documents posted on the [NERC Compliance Guidance web page](#), addressing:

- [CIP-012-1, R1 – Communications Between Control Centers \(2016-02 SDT\)](#)
- [TOP-010-1 and IRO-018-1 – Real-time Assessment Quality of Analysis \(OC\)](#)
- [CIP-008-6 – Incident Reporting and Response Planning \(2018-02 SDT\)](#)

There is one new ERO Enterprise-Endorsed Implementation Guidance document posted, addressing:

- [CIP-013-1, R1, R2 – Supply Chain Management \(NATF\)](#)

The [ERO Enterprise Non-Endorsed Implementation Guidance spreadsheet](#) was updated to include the following:

- MOD-025-2 Implementation Guidance (MRO SC) – The ERO Enterprise declined to endorse this document. It includes several statements that do not align with the language of the Reliability Standard and the previous Request for Information (RFI). These statements may cause entity confusion and could lead to possible non-compliance.
- CIP-004-6 Implementation Guidance (EnergySec) – The ERO Enterprise declined to endorse this document. It includes several statements that do not align with the language of the Reliability Standard, and does not offer specific examples entities could use to meet compliance. These statements may cause entity confusion and could lead to possible non-compliance.
- CIP-010-2 Implementation Guidance (MROSC) – The ERO Enterprise declined to endorse this document. Due to the volume and complexity of the document, there are clarifications or enhancements needed to allow for a clear and comprehensible approach to

### 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 \(formerly CMEP Technology Project\)](#)

meeting compliance with the standard without the document becoming unnecessarily large or attempting to be all-encompassing. Without such clarifications or enhancements, it may cause entity confusion and could lead to possible non-compliance.

## OTHER NEWS

### **NEW Modeling Notification Posted**

The NERC [System Analysis and Modeling Subcommittee](#) (SAMS), in coordination with the NERC [Inverter-Based Resource Performance Task Force](#) (IRPTF), developed a [modeling notification](#) to provide Transmission Planners and Planning Coordinators with recommended modeling practices for representing pitch controls for legacy Type 1 (conventional induction generator) and Type 2 (wound-rotor induction generator with adjustable rotor resistance) wind turbine generators (WTGs). While these resources are being phased out for newer technologies, existing resources should be modeled with the most appropriate and accurate representation available. This guidance was developed based on a request from industry stakeholders with these resources in their footprint, and it also provides clarity and consistency in modeling practices across North America.

### **NEW Reliability Guideline Posted**

The NERC Power Plant Modeling and Verification Task Force (PPMVTF) developed the [Reliability Guideline: Application Guide for Modeling Turbine-Governor and Active Power Frequency Controls in Stability Studies](#) to clarify key aspects of how turbine-governor models are applied in interconnection-wide stability simulations. The guideline was developed in response to review of the interconnection-wide base cases, discussions with industry experts in the NERC PPMVTF, and analysis of library models across software platforms. The guideline provides recommended modeling practices to address turbine-governor model fidelity issues, including parameterization, deadband modeling, and modeling of non-responsive units. The guideline is primarily intended for Generator Owners (GOs), Generator Operators (GOPs), Transmission Planners (TPs), Planning Coordinators (PCs), and power plant modelers.

### **NEW Security Guideline Posted**

The NERC Critical Infrastructure Protection Committee (CIPC) approved the [Physical Security Guideline Assessments and Resiliency Measures for Extreme Events](#) at their June 2019 meeting. The Physical Security Working Group (PSWG), which reports to the CIPC, developed this guideline to assist electric system entities in assessing the potential impact to the bulk power system from physical security events such as intentional damage, destruction, or disruption to facilities. In an environment where customer dependency on reliable electric service is critical and physical attacks are expected to escalate, it is increasingly important to perform practical and objective assessments and address shortcomings that are identified.

**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)
<b>July 1, 2019</b> <b>EFFECTIVE THIS WEEK</b>	<a href="#">PER-003-2 – Operating Personnel Credentials</a>
	<a href="#">TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R1 and R2)</a>
<b>January 1, 2020</b>	<a href="#">CIP-003-7 – Cyber Security — Security Management Controls</a>
	<a href="#">PRC-026-1 – Relay Performance During Stable Power Swings (Requirements R2–R4)</a>
	<a href="#">TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R5, 5.1, 5.2, R9, 9.1, and 9.2)</a>
<b>July 1, 2020</b>	<a href="#">CIP-005-6 – Cyber Security – Electronic Security Perimeter(s)</a>
	<a href="#">CIP-010-3 – Cyber Security — Configuration Change Management and Vulnerability Assessments</a>
	<a href="#">CIP-013-1 – Cyber Security — Supply Chain Risk Management</a>
	<a href="#">PRC-002-2 – Disturbance Monitoring and Reporting Requirements (50% compliance for Requirements R2–R4, R6–R11)</a>
<b>October 1, 2020</b>	<a href="#">PER-006-1 – Specific Training for Personnel</a>
	<a href="#">PRC-027-1 – Coordination of Protection Systems for Performance During Faults</a>
<b>January 1, 2021</b>	<a href="#">PRC-012-2 – Remedial Action Schemes</a>
<b>July 1, 2021</b>	<a href="#">TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R11 and R12)</a>
<b>January 1, 2022</b>	<a href="#">TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R6, 6.1–6.4, R10, 10.1–10.4)</a>
<b>July 1, 2022</b>	<a href="#">PRC-002-2 – Disturbance Monitoring and Reporting Requirements (100% compliance for Requirements R2–R4, R6–R11)</a>
<b>January 1, 2023</b>	<a href="#">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)</a>

January 1, 2024	<a href="#">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.)</a>
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## BOARD OF TRUSTEES AND FERC ACTION

### **NEW NERC Filings**

On June 24, 2019, NERC submitted to FERC [comments](#) in response to FERC’s notice of proposed rulemaking proposing to approve CIP Reliability Standard CIP-012-1 – Cyber Security – Communications between Control Centers. NERC supports FERC’s proposal to approve the proposed Reliability Standard. However, NERC does not support FERC’s proposal to direct modifications to the CIP Reliability Standards to: (1) require protections regarding the availability of communication links and data between BES Control Centers; and (2) provide additional specificity on the types of data that must be protected. NERC proposes to conduct a study of the risks to availability of data and communication links between Control Centers to determine an appropriate course of action.

NERC’s 2019 filings to FERC are available [here](#).

### **NEW Opportunity to Suggest Candidates for NERC Board of Trustees**

The Nominating Committee for the NERC Board of Trustees is providing an opportunity for stakeholders to suggest candidates to serve as an independent member of the NERC Board. A [summary memo](#) from George Hawkins, Chair of the Nominating Committee, outlining the role of the Committee and the process for the nomination and election of independent members of the NERC Board is located below, as well as attached here for convenience. Also included with the memo is a position specification prepared by the committee and Lyceum Leadership Consulting. Lyceum Leadership has been retained by the Nominating Committee to assist in the search for and screening of candidates.

Please submit all suggestions for candidates to [Tom Linguist](#) and [Donna Frakes](#) of Lyceum Leadership **by July 19, 2019**. Information can also be found on [Lyceum Leadership’s website](#).

## 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](#) | **NEW** [Agenda](#)
- **UPDATED** Electromagnetic Pulse Task Force Workshop – 8:30 a.m.–5:00 p.m. Eastern, July 25, 2019, Atlanta | [In-person Registration](#) | [Webinar Registration](#)
- **NEW** Monitoring and Situational Awareness Technical Conference – September 24–25, 2019, Little Rock, AR | [Register](#) | [Hotel and Travel Information](#) | [Presentations from Previous Conferences](#)
- GridSecCon 2019 – October 22–25, 2019, Atlanta | [Register](#)

### Webinars

There are no webinars currently scheduled.

### Standing Committee Meetings and Conference Calls

- Member Representatives Committee Pre-Meeting Conference Call and Informational Webinar – 11:00 a.m.–Noon Eastern, July 19, 2019 | [Register](#)
- **NEW** Standards Committee Conference Call – 1:00 –3:00 p.m. Eastern, July 24, 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 2018-04 – Modifications to PRC-024-2 Drafting Team Conference Call – 1:00–4:00 p.m. Eastern, July 11, 2019 | [Register](#)
- Project 2016-02 – Modifications to CIP Standards Drafting Team Meeting – July 16–18, 2019, Washington, D.C. | [Register](#)
- **NEW** Project 2018-04 – Modifications to PRC-024-2 Drafting Team Conference Call – Noon–3:00 p.m. Eastern, July 11, 2019 | [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).