

Standards, Compliance, and Enforcement Bulletin

February 12–18, 2018

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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 2017-02 – Modifications to PER Standards PER-003-2 and Implementation Plan	Initial Ballots	02/26/18	03/07/18

Join Ballot Pools (ballot pool windows close at 8:00 p.m. Eastern)

Project	Action	Start Date	End Date
Project 2017-02 – Modifications to PER Standards PER-003-2 and Implementation Plan	Join Ballot Pools	01/22/18	02/20/18

Posted for Comment

Project	Action	Start Date	End Date
Project 2017-04 – Periodic Review of INT Standards Templates	Comment Period	01/10/18	02/23/18

Project 2017-07 – Standards Alignment with Registration Standards Authorization Request	Comment Period	02/01/18	03/02/18
Project 2017-02 – Modifications to PER Standards PER-003-2 and Implementation Plan	Comment Period	01/22/18	03/07/18

OTHER ACTIVE COMMENT PERIODS

Posted for Comment			
Posting	Action	Start Date	End Date
<p>Comment Period Open for Power Plant Model and Verification Testing for Synchronous Machines Draft Reliability Guideline: The development and verification of steady-state and dynamic models that accurately represent the equipment installed in the field is a critical component of planning and operating the bulk power system. The draft Reliability Guideline covers an array of testing considerations, procedures, and how those tests help derive or verify model parameters, as related to MOD-025-2, MOD-026-1, and MOD-027-1 Reliability Standards. The guideline describes tests that may need to be performed for generating facilities depending on specific situations (e.g., commissioning, development of a baseline model, and model verification).</p> <p>In addition to the dynamic model verification processes, the inter-related aspects of generator protection coordination (PRC-019-2) and generator capability testing (MOD-025-2) are considered in the guideline.</p>	Submit comments via email using the comment form .	01/10/18	02/23/18
<p>NEW Comment Period Open for Proposed NERC Rules of Procedure Section 1600 Data Request for GMD Data: On September 22, 2016, the FERC issued Order No. 830 approving Reliability Standard TPL-</p>	Submit comments using the electronic form . An unofficial comment form is also available.	02/07/18	03/26/18

007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events. In the Order, FERC also directed NERC, pursuant to Section 1600 of the NERC Rules of Procedure, to collect geomagnetically-induced current (GIC) monitoring and magnetometer data from U.S. registered entities for the period beginning May 2013, including both data existing as of the date of the Order and new data going forward (P. 89). The data is intended to promote greater understanding of GMD events and their potential impacts to the reliable operation of the Bulk-Power System.

NERC and the Geomagnetic Disturbance Task Force (GMDTF) have drafted the [proposed GMD Data Request](#) for the collection of GIC monitoring and magnetometer data as required by Order No. 830. The GMD Data Request applies to U.S. registered Transmission Owners and Generator Owners. Although not required, Canadian registered Transmission Owners and Generator Owners are encouraged to participate.

At the conclusion of the comment period, NERC staff and the GMDTF will review the comments received, consider revisions, and determine next steps in accordance with NERC Rules of Procedure.

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STANDARDS NEWS

NEW Save the Date for 2018 NERC Standards and Compliance Workshop

The 2018 NERC Standards and Compliance Workshop is planned for July 24–25, 2018 in Columbus, Ohio. The workshop will present stakeholders with valuable information about standards development, compliance monitoring and operations, and other initiatives. An optional NERC Standards and Compliance 101 presentation will be offered as well.

Detailed information regarding the workshop—including workshop and hotel registration, discounted room rates, and a draft agenda—will be posted and included in the bulletin shortly.

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](#)

GENERAL COMPLIANCE AND ENFORCEMENT NEWS

NEW Compliance Guidance Resources Updated

Three new **ERO Enterprise-Endorsed Implementation Guidance** documents have been posted on the [Compliance Guidance page](#):

- CIP-010-3, R1.6, Software Integrity & Authenticity (NATF)
- CIP-014-2, R4, Practices Document (NATF)
- CIP-002-5.1a R1 Shared Ownership of BES Facilities (CIPC)

The **ERO Enterprise Non-Endorsed Implementation Guidance** tracking spreadsheet has been updated to include:

- CIP-010-2, R4, Implementation and Use of Transient Cyber Assets (TCA)
- CIP-005-6, R2.4 and R2.5, Vendor Remote Access

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](#)

OTHER NEWS

NEW Inverter-Based Resource Webinar Series Announced

Join NERC along with the Electric Power Research Institute (EPRI), North American Transmission Forum (NATF), and Utility Variable-Generation Integration Group (UVIG) for a comprehensive [series of webinars on inverter-based resources](#). The increasing penetration of inverter-based resources, including renewable energy resources, is creating new opportunities and challenges in planning and operating the bulk power system. This webinar series will explore various aspects of both bulk power system-connected inverter-based resources as well as distributed energy resources. Registration is available under [Upcoming Events](#).

STANDARDS SUBJECT TO FUTURE ENFORCEMENT

The following standards are subject to future enforcement. Please refer to the [U.S. Effective Dates page](#) for more detail:

U.S. Effective Date	Standard(s)
April 1, 2018	IRO-018-1(i) – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
	TOP-010-1(i) – Real-time Reliability Monitoring and Analysis Capabilities
July 1, 2018	CIP-009-6 – Cyber Security – Recovery Plans for BES Cyber Systems (Requirement 2.3);
	CIP-010-2 – Cyber Security – Configuration Change Management and Vulnerability Assessments (Requirements 3.2, 3.2.1, 3.2.2);
	MOD-026-1 – Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions (Requirements 2, 2.1–2.1.6);
	MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions (Requirements 2, 2.1–2.1.5);
	TOP-001-4 – Transmission Operations
	TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirement 2)
September 1, 2018	CIP-003-6 – Cyber Security – Security Management Controls (Requirement 2, Att. 1, Sec. 2 and 3);
January 1, 2019	BAL-005-1 – Balancing Authority Control
	FAC-001-3 – Facility Interconnection Requirements
	TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirement 5)

April 1, 2019	EOP-004-4 – Event Reporting EOP-005-3 – System Restoration from Blackstart Resources EOP-006-3 – System Restoration Coordination EOP-008-2 – Loss of Control Center Functionality
January 1, 2020	PRC-026-1 – Relay Performance During Stable Power Swings (Requirements 2–4)
July 1, 2020	PRC-002-2 – Disturbance Monitoring and Reporting Requirements (50% compliance for Requirements 2–4, 6–11)
January 1, 2021	PRC-012-2 – Remedial Action Schemes TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements 6, 6.1–6.4)
January 1, 2022	TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements 3,4,7)
July 1, 2022	PRC-002-2 – Disturbance Monitoring and Reporting Requirements (100% compliance for Requirements 2–4, 6–11) VAR-501-WECC-3 – Power System Stabilizer (Requirement 3 has an effective date of July 1, 2022 for units placed in service prior to final regulatory approval.)

BOARD OF TRUSTEES AND FERC ACTION

NEW FERC Open Meeting Agenda Posted

The [agenda](#) for the February 15, 2018 FERC open meeting has been posted. There is one item of interest to the ERO:

- Agenda Item E-2, in Docket No. RM16-6-000: Essential Reliability Services and the Evolving Bulk-Power System -- Primary Frequency Response

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

- Emerging Technology Roundtable – 1:00–5:00 p.m. Eastern, March 7, 2018, Jacksonville, FL | [Register](#)

- Supply Chain Small Group Advisory Sessions – March 13–15, 2018, Atlanta | Send SGAS Registration Requests to cipcadmin@nerc.net | Send Workshop Registration Requests to cipcadmin@nerc.net
- Seventh Annual Human Performance Conference – March 27–29, 2018, Atlanta | [Register for Conference and Workshops](#) | [Register for Hotel](#)
- **NEW** 2018 NERC Standards and Compliance Workshop – July 24–25, 2018, Columbus, Ohio | **Registration Information Coming Soon**

Webinars

- **NEW** Project 2016-02 Modifications to CIP Standards – CIP-002-6 and CIP-012-1 Planned and Unplanned Change Language Webinar – 1:00–2:00 p.m. Eastern, February 14, 2018 | [Register](#)
- **NEW** [Inverter-Based Resource Webinar Series](#): Inverter Fundamentals – Distributed Energy Resources and Bulk Power System Connected Resources – 2:00–4:00 p.m. Eastern, March 21, 2018 | [Register](#)
- **NEW** [Inverter-Based Resource Webinar Series](#): Distributed Energy Resource Impacts – 2:00–4:00 p.m. Eastern, April 5, 2018 | [Register](#)
- **NEW** [Inverter-Based Resource Webinar Series](#): Inverter-Based Resources Connected to the Bulk Power System – 2:00–4:00 p.m. Eastern, May 2, 2018 | [Register](#)
- **NEW** [Inverter-Based Resource Webinar Series](#): Inverter Modeling for Protection, Harmonics, EMT Studies, and Review of Real-World VER-Related Events – 2:00–4:00 p.m. Eastern, May 17, 2018 | [Register](#)
- **NEW** [Inverter-Based Resource Webinar Series](#): Recommended Performance for Inverter-Based Resources Connected to the Bulk Power System – NERC Reliability Guideline – 2:00–4:00 p.m. Eastern, June 13, 2018 | [Register](#)

Standing Committee Meetings and Conference Calls

- Board of Trustees Committees, Member Representatives Committee, and Board of Trustee Meetings – February 7–8, 2018, Ft. Lauderdale, FL | [Register](#)
- **NEW** Standards Committee Conference Call – 1:00–3:00 p.m. Eastern, February 14, 2018 | [Register](#) | [Agenda Package](#)
- Operating Committee, Planning Committee, and Critical Infrastructure Protection Committee Meetings – March 6–7, 2018, Jacksonville, FL | [Register for OC](#) | [Register for PC](#) | [Register for CIPC](#) | [Register for Hotel](#)

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.

- Operations Planning Standards Efficiency Review Team Conference Call – 1:00–3:00 p.m. Eastern, February 12, 2018 | [Register](#)
- Long-Term Planning Standards Efficiency Review Team Conference Call – 2:00–4:00 p.m. Eastern, February 13, 2018 | [Register](#)
- Real-Time Operations Standards Efficiency Review Team Conference Call – 11:00 a.m.–1:00 p.m. Eastern, February 14, 2018 | [Register](#)
- Project 2015-09 – System Operating Limits Standard Drafting Team – February 13–15, 2018, Denver, CO | [Register](#)
- Project 2016-02 – Modifications to CIP Standards Drafting Team Meeting – February 13–15, 2018, Orlando, FL | [Register](#)
- Project 2017-01 – Modifications to BAL-003-1.1 Team Meeting – February 20–21, 2018, Portland, OR | [Register](#)
- Long-Term Planning Standards Efficiency Review Team Meeting – February 20, 2018, Atlanta | [Register](#)
- Operations Planning Standards Efficiency Review Team Meeting – February 21, 2018, Atlanta | [Register](#)
- Real-Time Planning Standards Efficiency Review Team Meeting – February 22, 2018, Atlanta | [Register](#)
- Project 2017-04 – Periodic Review of Interchange Scheduling and Coordination Standards Team Meeting – February 27–March 1, 2018, Dallas, TX | [Register](#)
- Project 2016-02 – Modifications to CIP Standards Drafting Team Meeting – March 27–29, 2018, Atlanta | [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 contact [Sandy Shiflett](#). For more information about any of the compliance news listed in the bulletin, please contact [Tiffany Whaley](#).