

Standards, Compliance, and Enforcement Bulletin

April 2–8, 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 2015-10 Single Points of Failure TPL-001-5 and Implementation Plan	Additional Ballot, Initial Ballot, and Non-binding Poll	04/13/18	04/23/18
Project 2016-02 – Modifications to CIP Standards CIP-002-6 Draft 2	Additional Ballot and Non-binding Poll	4/20/18	04/30/18
Project 2016-02 – Modifications to CIP Standards Control Center Definition and Implementation Plan	Initial Ballots	4/20/18	04/30/18
Project 2016-02 – Modifications to CIP Standards CIP-012-1 Draft 3	Additional Ballot and Non-binding Poll	4/20/18	04/30/18
Project 2017-06 – Modifications to BAL-002-2 BAL-002-3	Initial Ballot and Non-binding Poll	04/27/18	05/07/18

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

Project	Action	Start Date	End Date
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Project 2016-02 – Modifications to CIP Standards Control Center Definition and Implementation Plan	Join Ballot Pools	03/16/18	04/16/18
Project 2017-06 – Modifications to BAL-002-2 BAL-002-3	Join Ballot Pools	03/22/18	04/20/18
Posted for Comment			
Project	Action	Start Date	End Date
Project 2015-10 Single Points of Failure TPL-001-5 and Implementation Plan NEW A draft RSAW is posted through April 23, 2018. Submit comments to RSAWfeedback@nerc.net .	Comment Period	02/23/18	04/23/18
Project 2016-02 – Modifications to CIP Standards CIP-002-6 Draft 2	Comment Period	03/16/18	04/30/18
Project 2016-02 – Modifications to CIP Standards Control Center Definition and Implementation Plan	Comment Period	03/16/18	04/30/18
Project 2016-02 – Modifications to CIP Standards CIP-012-1 Draft 3	Comment Period	03/16/18	04/30/18
NEW Project 2018-01 – Canadian-specific Revisions to TPL-007-2 SAR	Comment Period	03/30/18	04/30/18
Project 2017-06 – Modifications to BAL-002-2 BAL-002-3	Comment Period	03/22/18	05/07/18

OTHER ACTIVE COMMENT PERIODS

Posted for Comment			
Posting	Action	Start Date	End Date
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STANDARDS NEWS

NEW Resources Posted

NERC has posted the [streaming webinar](#) and [slide presentation](#) for the March 22, 2018 Project 2015-10 – Single Points of Failure webinar.

NERC has also posted the [streaming webinar](#) and [slide presentation](#) for the March 26, 2018 Technical Rationale for Reliability Standards webinar.

NEW Nomination Period Open for Project 2018-01 – Canadian-specific Revisions to TPL-007-2 SAR Drafting Team

Nominations are being sought for Standards Authorization Request (SAR) drafting team members for Project 2018-01 – Canadian-specific Revisions to TPL-007-2 through **April 12, 2018**.

Use the [electronic form](#) to submit a nomination. If you experience any difficulties in using the electronic form, contact [Nasheema Santos](#). An unofficial Word version of the nomination form is posted on the [Drafting Team Vacancies](#) page and the [project page](#).

By submitting a nomination form, you are indicating your willingness and agreement to actively participate in face-to-face meetings and conference calls. The time commitment for this project is expected to be two face-to-face meetings per quarter (on average two full working days each meeting) with conference calls scheduled as needed to meet the agreed upon timeline the team sets forth. Team members may also have side projects, either individually or by sub-group, to present for discussion and review. Lastly, an important component of the team effort is outreach. Members of the team will be expected to conduct industry outreach during the development process to support a successful ballot.

Previous drafting or periodic review team experience is beneficial, but not required. See the project page and unofficial nomination form for additional information. The Standards Committee is expected to appoint members to the team in May 2018. Nominees will be notified shortly after they have been selected.

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](#)

NEW Nomination Period Open for Standards Committee Segment 7 Special Election

Segment 7, Large Electricity End Users, currently has a vacancy for the Standards Committee (SC) 2017–2018 term. Nominations are being accepted through April 20, 2018 in preparation for the special election for Segment 7 to fill the remainder of the term.

Registered Ballot Body members and others interested in NERC Reliability Standards are encouraged to submit nominations for industry segment representatives on the SC. Reliability Standards are mandatory for all bulk power system owners, operators, and users in North America, and the SC's oversight role is therefore increasingly important. The SC consists of two members from each of the ten Industry Segments that make up the Registered Ballot Body. In addition, Appendix 3B of the Rules of Procedure contains special provisions to be used to achieve a balance of representation between the United States and Canada. The SC is elected by industry stakeholders and reports directly to the NERC Board of Trustees. The SC meets up to twelve times each year, with four face-to-face meetings and the remainder by conference call. The [Standards Committee Charter](#) provides a description of the SC's responsibilities.

Anyone may submit a nomination; however, the nominee must be from an entity registered in the particular segment for which the nomination is received. Instructions are provided in the [Election of Members of the NERC Standards Committee Procedure](#) and nomination forms are posted on the [Standards Committee Election web page](#). In order to ensure all nominations are received, please follow the two step process indicated. First, submit the nominee's name and requested fields using the nomination form. Next, email the completed Word version of the SC nomination form to [Chris Larson](#) no later than **Friday, April 20, 2018**. Once received, nominations will be posted on the SC's Nominations and Election web page. The special election will be conducted **April 30 through May 14, 2018**. Election results will be announced shortly after the election closes.

Nomination Period Open for Guidelines and Technical Basis Review Team

In support of the [Technical Rationale Transition Plan](#), nominations are being sought for the Guideline and Technical Basis (GTB) Review Team through April 27, 2018.

Use the [electronic form](#) to submit a nomination. If you experience any difficulties using the electronic form, contact [Nasheema Santos](#). An unofficial Word version of the nomination form is posted on the [Standard Drafting Team Vacancies](#) page and the [project page](#).

By submitting a nomination form, you are indicating your willingness and agreement to actively participate in face-to-face meetings and conference calls. The time commitment for this project is expected to be one face-to-face meeting per quarter (on average two full

working days each meeting) with conference calls scheduled as needed to meet the agreed upon timeline the team sets forth. Team members may also have side projects, either individually or by sub-group, to present for discussion and review. Lastly, an important component of the team effort is outreach. Members of the team will be expected to conduct industry outreach during the development process to support a successful ballot.

The GTB Review Team will be tasked with identifying GTB containing only technical guidance or Rationale information, and clearly *do not* contain compliance examples or approaches. In addition, they will work with NERC staff to transition those examples of GTB to Technical Rationale. Team members will be designated to the following work teams:

- Cyber Security – CIP
- Operations & Data Exchange – BAL, INT, IRO, TOP
- Personnel & Emergency Planning – COM, EOP, PER
- Modeling & Long-term Planning – FAC, MOD, NUC, TPL
- System Performance – PRC, VAR

Previous team experience is beneficial but not required. See the project page and nomination form for additional information. The Standards Committee is expected to appoint members to the review team in May 2018. Nominees will be notified shortly after they have been appointed.

GENERAL COMPLIANCE AND ENFORCEMENT NEWS

NEW Issues and Recommendations Tracking Spreadsheet Updated

The [Issues and Recommendations Tracking](#) spreadsheet on the [ERO Enterprise Program Alignment page](#) was updated.

NEW ERO Enterprise Guide for the Multi-Region Registered Entity Coordinated Oversight Program Now Available

The Electric Reliability Organization (ERO) Enterprise developed the [ERO Enterprise Guide for the Multi-Region Registered Entity \(MRRE\) Coordinated Oversight Program](#)

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](#)

[\(Program\)](#) to describe the approach used by NERC and the Regional Entities to execute Program activities for MRREs that have been approved to participate in the Program.

The guide primarily describes general roles and responsibilities of the Lead Regional Entity and each Affected Regional Entity, Program participation process, and expectations for coordination of Program activities for MRREs that are participating in the Program.

In addition to this guide, [Frequently Asked Questions \(FAQs\)](#) for the Program with NERC and Regional Entity contact information are available for MRREs that are interested in participating in the Program.

Newly Effective Standards

On April 1, 2018, the following standards became effective:

- [IRO-018-1\(i\) – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities](#)
- [TOP-010-1\(i\) – Real-time Reliability Monitoring and Analysis Capabilities](#)

OTHER NEWS

NEW Learn How to Increase Performance, Reliability at Seventh Annual Human Performance Conference

The seventh annual NERC and North American Transmission Forum (NATF) Human Performance Conference – [“Improving Human Performance on the Grid”](#) – focuses on improving operations through processes and procedures that highlight accuracy, completeness and efficiency. The conference, which began March 27, provides the opportunity for industry to come together and learn how to achieve a culture of high reliability on the bulk power system.

James Merlo, vice president and director of Reliability Risk Management at NERC, welcomed conference participants, highlighting the importance of industry collaboration and sharing. “Participants will hopefully learn a common language here that will allow us to better diagnose and prevent error,” said Merlo. “We when collaborate, taking advantage of the expertise here, and begin to see things at the strategic, tactical and operational level, we move our performance to the next level.” For more information, please see the [full announcement](#).

NEW GridEx Helps Identify Lessons Learned, Recommendations for Enhancing Grid Security

Assuring the reliability and security of the bulk power system continue to be focal points for NERC and industry. Focused on that mission, NERC hosted its fourth grid security exercise – GridEx IV – in November. In its [report](#) on the exercise, NERC identified recommendations and lessons

learned to enhance grid security and information sharing based on feedback from the more than 450 participating organizations and 6,500 individuals.

Facilitated by NERC’s E-ISAC, GridEx IV was the largest exercise to date with participants from industry, government, law enforcement, and the private sector. The two-day event consisted of an exercise scenario with an executive tabletop for senior industry executives and government officials and provided an opportunity for stakeholders to respond to simulated cyber and physical attacks that affect the reliable operation of the grid. For more information, please see the [full announcement](#).

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 NEWLY EFFECTIVE	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 NERC Filings

On March 26, 2018, NERC filed with FERC [comments](#) in response to a notice of proposed rulemaking in Docket No. RM17-13-000.

On March 30, 2018, NERC filed with FERC:

- An [informational filing](#) regarding the implementation of Reliability Standard TPL-001-4 Table 1, Footnote 12 in Docket Nos. RM12-1-000 and RM13-9-000; and
- The [2018 NERC Standards Report](#), status and timetable for addressing regulatory directives in Docket No. RR09-6-003.

NERC’s 2018 filings to FERC are available [here](#).

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

- **NEW** [2018 Power System Modeling Conference](#) – June 20–21, 2018, New Albany, Ohio | [Register for Reception](#) | [Register for Conference](#) | [Register for Hotel](#)
- 2018 NERC Standards and Compliance Workshop – July 24–25, 2018, Columbus, Ohio | **Registration Information Coming Soon**

Webinars

- [Inverter-Based Resource Webinar Series](#): Distributed Energy Resource Impacts – 2:00–4:00 p.m. Eastern, April 5, 2018 | [Register](#)
- [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](#)
- [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](#)
- [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

- Member Representatives Committee Pre-Meeting Conference Call and Informational Webinar – 1:00–2:00 p.m. Eastern, April 10, 2018 | [Register](#)
- Board of Trustees, Member Representatives Committee, and Board Committees Meetings – May 9–10, 2018, Arlington, VA | [Register](#)

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.

- Long-Term Planning Standards Efficiency Review Team Conference Call – 9:30–11:30 a.m. Eastern, April 3, 2018 | [Register](#)
- Operations Planning Standards Efficiency Review Team Conference Call – 10:00 a.m.–Noon Eastern, April 3, 2018 | [Register](#)
- Real-Time Operations Standards Efficiency Review Team Conference Call – 11:00 a.m.–1:00 p.m. Eastern, April 4, 2018 | [Register](#)
- Operations Planning Standards Efficiency Review Team Conference Call – 10:00 a.m.–Noon Eastern, April 16, 2018 | [Register](#)

- Long-Term Planning Standards Efficiency Review Team Conference Call – 9:30–11:30 a.m. Eastern, April 17, 2018 | [Register](#)
- Real-Time Operations Standards Efficiency Review Team Conference Call – 11:00 a.m.–1:00 p.m. Eastern, April 18, 2018 | [Register](#)
- **NEW** Project 2017-01 – Modifications to BAL-003-1.1 Drafting Team Meeting – April 23–24, 2018 | [Register](#)
- Operations Planning Standards Efficiency Review Team Conference Call – 10:00 a.m.–Noon Eastern, April 30, 2018 | [Register](#)
- Long-Term Planning Standards Efficiency Review Team Conference Call – 9:30–11:30 a.m. Eastern, May 1, 2018 | [Register](#)
- Real-Time Operations Standards Efficiency Review Team Conference Call – 11:00 a.m.–1:00 p.m. Eastern, May 2, 2018 | [Register](#)
- Operations Planning Standards Efficiency Review Team Conference Call – 10:00 a.m.–Noon Eastern, May 14, 2018 | [Register](#)
- Long-Term Planning Standards Efficiency Review Team Conference Call – 9:30–11:30 a.m. Eastern, May 15, 2018 | [Register](#)
- Real-Time Operations Standards Efficiency Review Team Conference Call – 11:00 a.m.–1:00 p.m. Eastern, May 26, 2018 | [Register](#)
- Project 2016-02 – Modifications to CIP Standards Drafting Team Meeting – May 22–24, 2018, Location TBD | [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](#).