



# Reliability Compliance Update

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Planning Committee  
June 07, 2022

Standards	Project	Action	End Date
EOP-011 EOP-012	<p><b><a href="#">Project 2021-07</a> Extreme Cold Weather Grid Operations, Preparedness, and Coordination</b></p> <p><b>Purpose/Industry Need:</b> To address the ten recommendations for new or enhanced NERC Reliability Standards proposed by the Joint Inquiry Report. Project is in two phases, current Phase I to address the following recommendations from the report:</p> <p><b>Key Recommendations</b></p> <p>(New Standard EOP-012-1 Extreme Cold Weather Preparedness &amp; Operations)</p> <ul style="list-style-type: none"> <li>1d. Corrective Action Plans for Freeze-Related Causes</li> <li>1e. Annual Training on Cold Weather Plans</li> <li>1f. Operate to Specified Ambient Temperature, Weather</li> </ul> <p>(Revisions to EOP-011-3 Emergency Operations)</p> <ul style="list-style-type: none"> <li>1j. Overlap of Manual and Automatic Load Shed/UFLS</li> </ul>	Join Ballot Pools	06/02/22
		Formal Comment Period & Ballot Period	06/17/22

## Commenting and Balloting:

- Revisions to EOP-011-3 Emergency Operations
- New Standard EOP-012-1 Extreme Cold Weather Preparedness and Operations
  - Requirements R1, R2, R4, and R6 are new Requirements
  - Requirements R3 and R5 are carried over from EOP-011-2 with some revisions
- Implementation Plan

Standards	Project	Action	End Date
MOD-026 MOD-027	<p data-bbox="300 329 1786 436"> <a href="#">Project 2020-06</a> Verifications of Models and Data for Generators I            Reliability Standard MOD-026-2         </p> <p data-bbox="300 486 596 536"><b>Background:</b></p> <p data-bbox="300 544 2007 822">             Reliability Standard MOD-026-2 will replace MOD-026-1 and MOD-027-1. MOD-026-2 includes requirements for verifying dynamic models, which are used in planning studies to ensure BES reliability. The new version of MOD-026-2 adds a requirement for Applicable Entities to provide verified electromagnetic transient (EMT) models and adds clarifications for inverter based resource Facilities.           </p> <p data-bbox="300 886 2007 1043">             There are two Standard Authorization Requests supporting this Project to address inverter-based resources and transmission connected dynamic reactive resources.           </p>	<p data-bbox="2091 358 2206 494">Join Ballot Pools</p> <p data-bbox="2048 608 2252 851">Comment Period &amp; Ballot Period</p>	<p data-bbox="2321 415 2486 451">06/21/22</p> <p data-bbox="2321 665 2486 701">07/06/22</p>

## ➤ ReliabilityFirst

### ➤ Technical Talks with RF

- June 20, 2022                      10:00 a.m. – 11:00 a.m.
- July 18, 2022                        2:00 p.m. – 3:30 p.m.

### ➤ RF CUG Meeting

- June 24, 2022                        10:00 a.m. – 12:00 p.m.
  - CUG = Compliance Users Group

SME/Presenter:  
Elizabeth (Becky) Davis  
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### Member Hotline

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# Appendix

Project 2021-07 project page: <https://www.nerc.com/pa/Stand/Pages/Project-2021-07-ExtremeColdWeather.aspx>

EOP-011-3 redline: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot\\_EOP-011-3\\_redline\\_051922.pdf](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot_EOP-011-3_redline_051922.pdf)

EOP-011-3 clean: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot\\_EOP-011-3\\_clean\\_051922.pdf](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot_EOP-011-3_clean_051922.pdf)

EOP-012-1 redline: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot%20EOP-012-1\\_redline\\_051922.pdf](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot%20EOP-012-1_redline_051922.pdf)

EOP-012-1 clean: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot\\_EOP-012-1\\_clean\\_051922.pdf](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Initial%20Ballot_EOP-012-1_clean_051922.pdf)

Implementation Plan: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Implementation%20Plan\\_051922.pdf](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Implementation%20Plan_051922.pdf)

EOP-011-3 Technical Rationale: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Draft%20Technical%20Rationale%20for%20EOP-011-3\\_051922.pdf](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Draft%20Technical%20Rationale%20for%20EOP-011-3_051922.pdf)

EOP-012-1 Technical Rationale: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Draft%20Technical%20Rationale%20for%20EOP-012-1\\_051922.pdf](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07%20Draft%20Technical%20Rationale%20for%20EOP-012-1_051922.pdf)

Comment Form: [https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07\\_Unofficial\\_Comment\\_Form\\_051922.docx](https://www.nerc.com/pa/Stand/Project202107ExtremeColdWeatherDL/2021-07_Unofficial_Comment_Form_051922.docx)



Project 2020-06 project page: [https://www.nerc.com/pa/Stand/Pages/Project-2020\\_06-Verifications-of-Models-and-Data-for-Generators.aspx](https://www.nerc.com/pa/Stand/Pages/Project-2020_06-Verifications-of-Models-and-Data-for-Generators.aspx)

MOD-026-2: [https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020-06\\_MOD-026-2\\_Draft\\_1\\_clean\\_05202022.pdf](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020-06_MOD-026-2_Draft_1_clean_05202022.pdf)

Implementation Plan: [https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020-06\\_MOD-026-2\\_Implementation\\_Plan\\_05202022.pdf](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020-06_MOD-026-2_Implementation_Plan_05202022.pdf)

Comment Form: [https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020-06\\_Unofficial\\_Comment\\_Form\\_05202022.docx](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020-06_Unofficial_Comment_Form_05202022.docx)

VRF/VSL Justifications: [https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020-06\\_MOD-026-2\\_VRF\\_VSL\\_Justifications\\_05202022.pdf](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020-06_MOD-026-2_VRF_VSL_Justifications_05202022.pdf)

Mapping Document: [https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020-06\\_Mapping\\_Document\\_05202022.pdf](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020-06_Mapping_Document_05202022.pdf)

Technical Rationale: [https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020-06\\_MOD-026-2\\_Technical\\_Rationale\\_05202022.pdf](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020-06_MOD-026-2_Technical_Rationale_05202022.pdf)

Standard Authorization Request (IBR):

[https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020\\_06%20IBR%20SAR%20clean\\_072021.pdf](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020_06%20IBR%20SAR%20clean_072021.pdf)

Standard Authorization Request (transmission-connected dynamic reactive resources):

[https://www.nerc.com/pa/Stand/Project\\_2020\\_06\\_Verifications\\_of\\_Models\\_and\\_Data\\_f/2020\\_06%20TCDRR%20SAR%20clean\\_072021.pdf](https://www.nerc.com/pa/Stand/Project_2020_06_Verifications_of_Models_and_Data_f/2020_06%20TCDRR%20SAR%20clean_072021.pdf)



# U.S. Effective Dates of NERC Standards

Effective Date	Standards
July 1, 2022	<p><a href="#">CIP-012-1</a> Cyber Security Communications between Control Centers</p> <p><a href="#">PRC-002-2</a> Disturbance Monitoring and Reporting Requirements (100% compliance for Requirements R2-R4, R6-R11)</p>



# U.S. Effective Dates of NERC Standards

Effective Date	Standards
October 1, 2022	<a href="#">CIP-005-7</a> Cyber Security Electronic Security Perimeter(s) <a href="#">CIP-010-4</a> Cyber Security Configuration Change Management and Vulnerability Assessments <a href="#">CIP-013-2</a> Cyber Security Supply Chain Risk Management <a href="#">PRC-024-3</a> Frequency and Voltage Protection Settings for Generating Resources
January 1, 2023	<a href="#">TPL-007-4</a> 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)



# U.S. Effective Dates of NERC Standards

Effective Date	Standards
April 1, 2023	<a href="#">EOP-011-2</a> Emergency Preparedness and Operations <a href="#">IRO-010-4</a> Reliability Coordinator Data Specification & Collection <a href="#">TOP-003-5</a> Operational Reliability Data
July 1, 2023	<a href="#">TPL-001-5.1</a> Transmission System Planning Performance Requirements I Implementation Plan
January 1, 2024	<a href="#">TPL-007-4</a> 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, 11.3.1-11.3.2, 11.4, 11.4.3-11.4.3, 11.5, and 11.5.1)



# U.S. Effective Dates of NERC Standards

Effective Date	Standards
April 1, 2024	<a href="#">FAC-003-5</a> Transmission Vegetation Management <a href="#">FAC-011-4</a> System Operating Limits Methodology for the Operations Horizon <a href="#">FAC-014-3</a> Establish and Communicate System Operating Limits <a href="#">IRO-008-3</a> Reliability Coordinator Operational Analyses and Real-time Assessments <a href="#">PRC-023-5</a> Transmission Relay Loadability Implementation Plan <a href="#">PRC-002-3</a> Disturbance Monitoring and Reporting Requirements Implementation Plan <a href="#">PRC-026-2</a> Relay Performance During Stable Power Swings Implementation Plan <a href="#">TOP-001-6</a> Transmission Operations

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