



Reliability Compliance Update

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November 2021
NERC Compliance

Standards	NERC Reliability Guideline	Action	End Date
Draft Reliability Guideline	<p data-bbox="295 289 2007 396"><u>Draft Reliability Guideline</u> – DER Forecasting Practices and Relationship to DER Modeling for BPS Planning Studies</p> <p data-bbox="295 461 596 508">Background:</p> <ul data-bbox="295 518 2007 1278" style="list-style-type: none"> <li data-bbox="295 518 2007 611">➤ This Reliability Guideline identifies two large categories of forecasting strategies used in load forecasting: <li data-bbox="295 651 2007 743">➤ <i>Top down approach</i> creates projections over a wide area and can ignore local behavior to focus on the behavior of the whole <li data-bbox="295 783 2007 876">➤ <i>Bottom up approach</i> creates projections of individual component behavior before aggregating those impacts to the level desired <li data-bbox="295 916 2007 1061">➤ For both large categories, a large amount of data typically feeds the projection. If this data is not of high quality, the projection, if used as the forecasted values, will provide misleading, useless results. <li data-bbox="295 1100 2007 1278">➤ Comment Matrix (matrix is in Excel format): https://www.nerc.com/comm/RSTC_Reliability_Guidelines/Comment_Matrix_Reliability_Guideline_Reliability_Guideline_DER_Forecasting_Practices_and_Relationship_to_DER_Modeling_for_BPS_Planning_Studies.xlsx 	Comments via email	11/20/2021

- FERC and ERO Enterprise [Webinar](#)
 - Real-time Assessments ([full report](#))
 - December 8, 2021 1:00 – 3:00 p.m. Eastern

- 2022 Annual Update to Compliance Monitoring and Enforcement Program Implementation Plan ([2022 CMEP IP](#))

- [Compliance Guidance Update](#) – Practice Guide Updates
 - Evaluating Blackstart Documented Procedures
 - Cold Weather Preparedness

- ReliabilityFirst

- Technical Talks with RF

- November 15, 2021 2:00 p.m. – 3:30 p.m.

- December 13, 2021 2:00 p.m. – 3:30 p.m.

- SERC Reliability Corporation

- SERC 2021 Fall Technical Seminar: Growing Variable Energy Resources and Grid Reliability

- November 16, 2021 1:00 p.m. – 4:00 p.m.

- November 17, 2021 9:00 a.m. – 1:00 p.m.

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Appendix



U.S. Effective Dates of NERC Standards

Effective Date	Standards
January 1, 2022	PRC-012-2 Remedial Action Schemes (Requirement R9)
July 1, 2022	CIP-012-1 Cyber Security Communications between Control Centers PRC-002-2 Disturbance Monitoring and Reporting Requirements (100% compliance for Requirements R2-R4, R6-R11)

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

Effective Date	Standards
April 1, 2023 NEWLY ADDED	EOP-011-2 Emergency Preparedness and Operations IRO-010-4 Reliability Coordinator Data Specification & Collection TOP-003-5 Operational Reliability Data
July 1, 2023	TPL-001-5.1 Transmission System Planning Performance Requirements I Implementation Plan
January 1, 2024	TPL-007-4 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)