



Reliability Compliance Update

Becky Davis
December 2021
NERC Compliance

- FERC - NERC – Regional Entity Staff Report:
 - The February 2021 Cold Weather Outages in Texas and the South Central United States
 - *Full Announcement:*
 - <https://www.nerc.com/news/Headlines%20DL/FERC%20NERC%20freeze%20release%20FINAL%2011621.pdf>
 - *Joint Report:*
 - <https://www.ferc.gov/media/february-2021-cold-weather-outages-texas-and-south-central-united-states-ferc-nerc-and>

Standards	Project	Action	End Date
BAL EOP IRO TOP PRC & Other Standards as Identified	<p><u>Project 2021-07</u> Extreme Cold Weather Grid Operations, Preparedness, and Coordination – <u>Standard Authorization Request (SAR)</u></p> <p>Background:</p> <ul style="list-style-type: none"> ➤ To enhance reliability of the BES through improved operations, preparedness, and coordination during extreme weather, as described by the Federal Energy Regulatory Commission (FERC), NERC, and Regional Entity Joint Staff Inquiry into the February 2021 Cold Weather Grid Operations. ➤ The Project Scope addresses nine recommendations for new or enhanced NERC Reliability Standards proposed by <i>The February 2021 Cold Weather Outages in Texas and the South Central United States</i> report: https://www.ferc.gov/media/february-2021-cold-weather-outages-texas-and-south-central-united-states-ferc-nerc-and ➤ Link to Submit Nominations for SAR Drafting Team Members: https://nerc.checkboxonline.com/2bada4c4-e245-4a11-a9d7-dab1f5ca0533 	Formal Comment Period & Nominations for SAR Drafting Team Members	12/21/21

Standards	Project	Action	End Date
<p>PRC-005</p>	<p><u>Project 2019-04</u> Modifications to PRC-005-6</p> <p>Background:</p> <ul style="list-style-type: none"> ➤ Provide clear, unambiguous applicability of PRC-005 to protective functions and provide the specificity needed for the industry to consistently identify and implement the required maintenance activities. ➤ Provide for the use of alternative Protection System station DC supply technologies, battery-based and non-battery-based, and ensure that they are subject to maintenance requirements. ➤ This project would modify Reliability Standard PRC-005 to be consistent with the FERC-approved changes to registration as part of the RBR initiative and to add UFLS-only DPs in the Applicability Section. ➤ Submit nominations via the Project page and electronic form submittal. https://nerc.checkboxonline.com/5BC332AB-2567-4BCB-B992-BB71EB8B58A6 	<p>Standard Drafting Team Nominations</p>	<p>12/15/2021</p>

Standards	Project	Action	End Date
MOD-025 MOD-026 MOD-027 PRC-019 PRC-024	<p>Project 2020-02 Transmission-connected Dynamic Reactive Resources – Standard Authorization Request (SAR) drafting team members request</p> <p>Purpose/Industry Need:</p> <ul style="list-style-type: none"> ➤ Dynamic reactive resources used to provide Essential Reliability Services (ERS) in the BES include generation resources (rotating machine and inverter-based) as well as transmission connected dynamic reactive resources (power-electronics based). Existing Reliability Standards for verifying the capability, modeling and performance of dynamic reactive resources are only applicable to Facilities comprising generation resources. Augmenting the applicability of these standards to include (nongeneration) transmission-connected reactive resources, both rotating machine (i.e. synchronous condenser) and power-electronics based, will enhance the BES reliability by ensuring that the capability, models and performance are verified and validated for all varieties of dynamic reactive resources utilized in providing ERS in the BES. ➤ Submit nominations via the Project page and electronic form https://nerc.checkboxonline.com/8f3ea3a2-c9ad-431d-9815-2d0d1060d325 	SAR Drafting Team Nominations	12/20/2021

- NERC: Compliance Monitoring and Enforcement Program and Organization Registration and Certification Program Quarterly Report
 - [Q3 2021](#)

- ReliabilityFirst
 - Technical Talks with RF
 - December 13, 2021 2:00 p.m. – 3:30 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)



U.S. Effective Dates of NERC Standards

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



U.S. Effective Dates of NERC Standards

Effective Date	Standards
April 1, 2023	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)