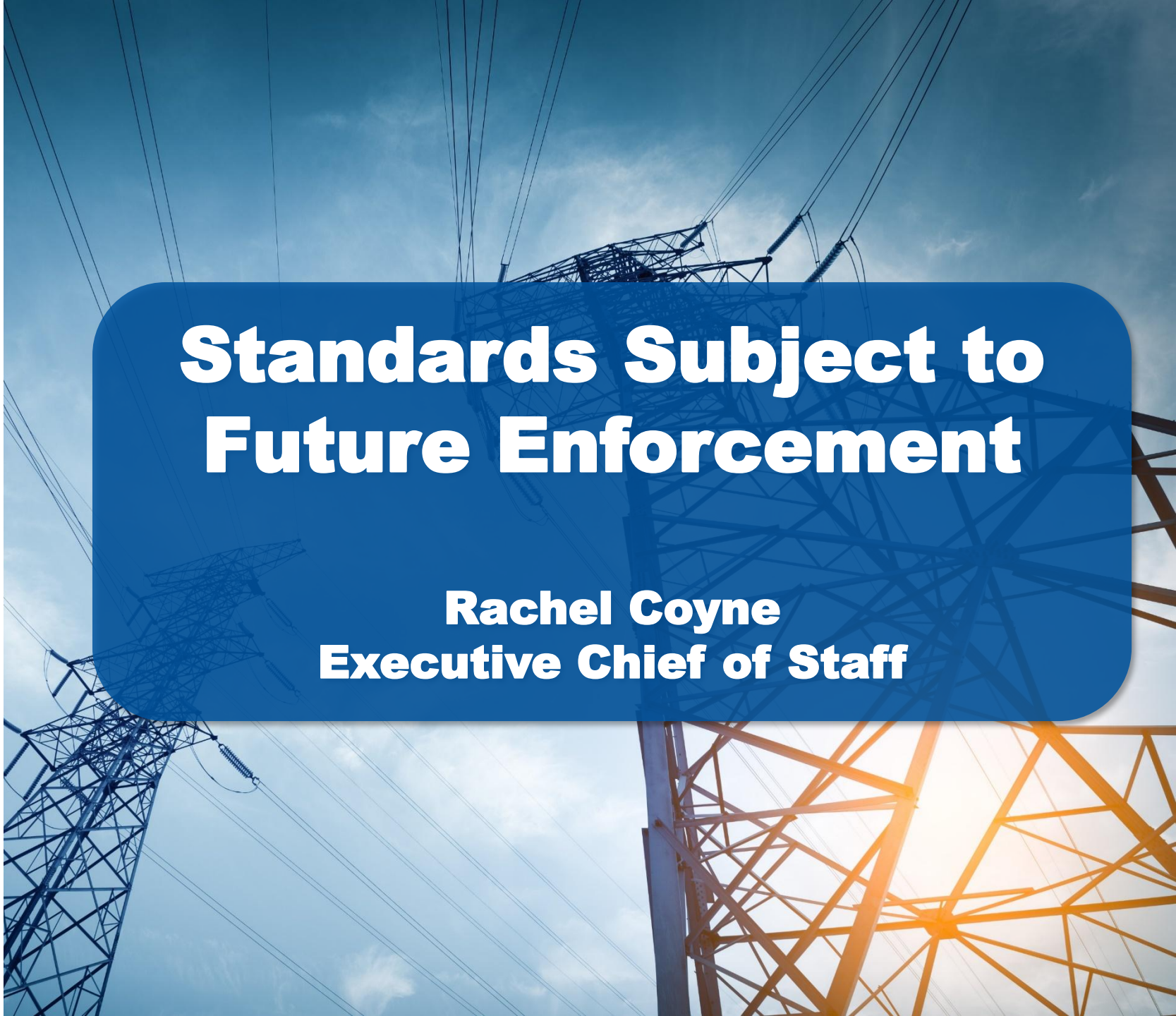
TEXAS RE



Standards Subject to Future Enforcement

Rachel Coyne
Executive Chief of Staff

Currently Posted Projects

Project	Action	End Date
Modernization of Standards Processes and Procedures (MSPP) Task Force White Paper	Comment Period	8/27/20025
2021-01 System Model Validation with IBRs (MOD-033-3)	Additional Ballot and Comment Period	9/10/2025
2022-02 Uniform Modeling Framework for IBRs (MOD-032-2, IRO-010-6, TOP-003-8)	Additional Ballot and Comment Period	9/10/2025
2020-06 Verifications of Models and Data for Generators (MOD-026-2)	Additional Ballot and Comment Period	9/10/2025

Recently Effective

Standard	Effective Date	Implementation Plan
IRO-010-5	7/1/2025	Implementation Plan
TOP-003-6.1	7/1/2025	Implementation Plan
ACE Definition Changes*	7/1/2025	Implementation Plan
TPL-001.5.1 Requirement R2, Part 2.7 - Develop CAPs for failures to meet Table 1 performance requirements for the revised P5	7/1/2025	Implementation Plan

*List of Terms

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
TOP-002-5	10/1/2025

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
PRC-012-2 R4 (Initial Performance)	1/1/2026

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
CIP-003-9	4/1/2026
TPL-008-1	4/1/2026

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
CIP-012-2	7/1/2026

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
PRC-012-2 R8 (Initial Performance)	1/1/2027

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
TOP-003-7	10/1/2026
PRC-029-1	10/1/2026
PRC-030-1	10/1/2026

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
BAL-007-1	4/1/2027

Standards Upcoming Enforcement/Effective Dates

Standard/Requirement	Enforcement Date
CIP-015-1	10/1/2028

EOP-011-4 Implementation Dates

Effective Date:	1st day of first calendar quarter 6 months following regulatory approval		10/1/2024	
Requirement		**Implementation Plan**	**Compliance Date**	**Notes**
Part 1.2.5	Compliant by	30 months after the Effective Date	10/1/2024	Manual load shed - 10/1/2024 effective date UVLS and UFLS - 4/1/2027 effective date
Part 1.2.5.1	Compliant by	Effective Date	10/1/2024	
Part 1.2.5.2	Compliant by	Effective Date	10/1/2024	Manual load shed - 10/1/2024 effective date UVLS and UFLS - 4/1/2027 effective date
Part 1.2.5.3	Compliant by	Effective Date	10/1/2024	
Part 1.2.5.4	Compliant by	Effective Date	10/1/2024	
Part 1.2.5.5	Compliant by	30 months after the Effective Date	4/1/2027	
Part 2.2.8	Compliant by	30 months after the Effective Date	4/1/2027	
Part 2.2.9	Compliant by	30 months after the Effective Date	10/1/2024	Manual load shed - 10/1/2024 effective date UVLS and UFLS - 4/1/2027 effective date
R8	Compliant by	30 months after the Effective Date	4/1/2027	

EOP-012-2 Implementation Plan Dates

Effective Date of EOP-012-2	the first day of the first calendar quarter that is 3 months after the effective date of the applicable governmental authority's order approving the standard	10/1/2024
Requirement	**Implementation Plan**	**Compliance Date**
R1	EOP-012-2 Effective Date	10/1/2024 (initial performance)
R2	EOP-012-2 Effective Date	10/1/2024
R3	12 months after the effective date of EOP-012-2	10/1/2025
R4	EOP-012-2 Effective Date	10/1/2024
R5	EOP-012-2 Effective Date	10/1/2024
R6	EOP-012-2 Effective Date	10/1/2024
R7	EOP-012-2 Effective Date	10/1/2024
R8	EOP-012-2 Effective Date	10/1/2024

PRC-005-6 Implementation Dates

- Implementation Plan
- Implementation Plan – Calendar View
- Implementation Plan – Requirements View

PRC-012-2 Initial Performance Dates

Effective Date	First day of first calendar quarter 36 months after effective date of the Order	1/1/2021
Requirement No.	**Initial Performance verbiage in IP**	**Initial Performance by**
R1	N/A	N/A
R2	N/A	N/A
R3	N/A	N/A
R4	For existing RAS, initial performance must be completing within 5 full calendar years after the effective date of PRC-012-2. For new or functionally modified RAS, initial performance must be completed within 5 full calendar years after the date the RAS is approved by the RC under Requirement R3	1/1/2026 date RC approves RAS
R5	N/A	N/A
R6	N/A	N/A
R7	N/A	N/A
R8	For each RAS not designated as limited impact, initial performance of obligations under Requirement R8 must be completed at least once within six (6) full calendar years after the effective date for PRC-012-2, as described above. For each RAS designated as limited impact, initial performance of obligations under Requirement R8 must be completed at least once within twelve (12) full calendar years after the effective date for PRC-012-2, as described above.	1/1/2027
R9	For each Reliability Coordinator that does not have a RAS database, the initial obligation under Requirement R9 is to establish a database by the effective date of PRC-012-2. Each Reliability Coordinator will perform the obligation of Requirement R9 within twelve full calendar months after the effective date of PRC-012-2, as described above.	1/1/2022

PRC-025-2 Phased-In Dates

Effective Date: 7/1/2018

Load-Responsive protective relays subject to the standard			
Requirement	Applicability	Implementation Date	Date
R1	Each GO, TO, and DP shall apply settings that are in accordance with PRC-025-2 Attachment 1: Relay Settings, on each load-responsive protective relay while maintaining reliable protection	Where determined by the GO, TO, or DP that replacement or removal is not necessary, the later of 10/1/19 or 12 months after effective date except as noted in Attachment 1 Table 1	10/1/2019 or Table 1 dates
		Where determined by the GO, TO, or DP that replacement or removal is necessary, the later of 10/1/19 or 36 months after effective date except as noted in Attachment 1 Table 1	7/1/21 or Table 1 dates

PRC-025-2 Phased-in Implementation of specific Table 1 Relay Loadability Evaluation Criteria Options

Option	Application and Relay Type	Implementation Date	Date
Option 5b	Asynchronous generating unit(s) (including inverter-based installations), including Elements utilized in the aggregation of dispersed power producing resources applying any phase of overcurrent relay (e.g. 51, or 51V-R - voltage-restrained)	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 24 months after effective date	7/1/2020
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 48months after effective date	7/1/2022
Options 2a, 2b, and 2c (50 element only)	Synchronous generating unit(s), including Elements utilized in the aggregation of dispersed power producing resources applying, specifically the phase of overcurrent relay 50 element.	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 60 months after effective date	7/1/2023
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 84 months after effective date	7/1/2025
Options 5a and 5b (50 element only)	Asynchronous generating unit(s) (including inverter-based installations), including Elements utilized in the aggregation of dispersed power producing resources applying specifically the phase overcurrent relay 50 element.	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 60 months after effective date	7/1/2023
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 84 months after effective date	7/1/2025

PRC-025-2 Phased-in Implementation of specific Table 1 Relay Loadability Evaluation Criteria Options

Options 8a , 8b, and 8c (50 element only)	Generator step-up transformer(s) connected to synchronous generators applying, specifically the phase overcurrent relay 50 element installed on generatorside of the GSU transformer	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 60 months after effective date	7/1/2023
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 84 months after effective date	7/1/2025
Option 11	Generator step-up transformer(s) connected to asynchronous generators only (including inverter-based installations) applying, specifically the phase overcurrent 50 element - installed on generator-side of the GSU transformer	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 60 months after effective date	7/1/2023
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 84 months after effective date	7/1/2025
Options 13a and 13b (50 element only)	Unit auxiliary transformer(s) (UAT) applying, specifically the phase overcurrent 50 element applied at the high-side terminals of the UAT, for which operation of the relay will cause the associated generator to trip	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 60 months after effective date	7/1/2023
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 84 months after effective date	7/1/2025

PRC-025-2 Phased-in Implementation of specific Table 1 Relay Loadability Evaluation Criteria Options

Option 14b	Relays installed on the high-side of the GSU transformer, including relays installed on the remote end of line, for Elements that connect the GSU transformer(s) to the Transmission system that are used exclusively to export energy directly from a BES generating unit or generating plant (except that Elements may also supply generating plant loads) – connected to synchronous generators applying a phase distance relay (e.g., 21) – directional toward the Transmission system	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 24 months after effective date	7/1/2020
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 48 months after effective date	7/1/2022
Option 15b	Relays installed on the high-side of the GSU transformer, including relays installed at the remote end of the line, for Elements that connect the GSU transformer(s) to the Transmission system that are used exclusively to export energy directly from a BES generating unit or generating plant (except that Elements may also supply generating plant loads) – connected to synchronous generators applying a phase instantaneous overcurrent supervisory element (e.g., 50) – associated with current-based, communication-assisted schemes where the scheme is capable of tripping for loss of communications and/or phase time overcurrent relay (e.g., 51)	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 24 months after effective date	7/1/2020
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 48 months after effective date	7/1/2022

PRC-025-2 Phased-in Implementation of specific Table 1 Relay Loadability Evaluation Criteria Options

Option 16b	Relays installed on the high-side of the GSU transformer, including relays installed at the remote end of the line, for Elements that connect the GSU transformer(s) to the Transmission system that are used exclusively to export energy directly from a BES generating unit or generating plant (except that Elements may also supply generating plant load.) – connected to synchronous generators applying Phase directional instantaneous overcurrent supervisory element (e.g., 67) – associated with current-based, communication assisted schemes where the scheme is capable of tripping for loss of communications directional toward the Transmission system and/or phase directional time overcurrent relay (e.g., 67) – directional toward the Transmission system	Where determined by the GO, TO, or DP that replacement or removal is not necessary, 24 months after effective date	7/1/2020
		Where determined by the GO, TO, or DP that replacement or removal is necessary, 48 months after effective date	7/1/2022

PRC-025-2

For load-responsive protective relays which become applicable to the standard.			
Requirement	Applicability	Implementation Dates	Date
R1	Each Generator Owner, To, and DP shall apply settings that are in accordance with PRC-025-2 - Attachment 1: Relay Settings, on each load responsive protective relay while maintaining reliable fault protection.	Where determined by the GO, TO, or DP that replacement or removal is not necessary, the first day 60 months beyond the date of the load-responsive protective relays become applicable to the standard	7/1/2023
		Where determined by the GO, TO, or DP that replacement or removal is necessary, the first day 84 months beyond the date of the load-responsive protective relays become applicable to the standard	7/1/2025

PRC-028-1

Effective Date	first day of the first calendar quarter after the effective date of the Applicable Governmental Authority's order approving the standard	4/1/2025
Requirement No.	IP Verbiage	**Compliance Date - BES IBR - commercial operation on or before effective date**
R1 - R7	50% of BES IBR within 3 calendar years of the effective date	4/1/2028 (or 12/31/2028?)
R1 - R7	100% of BES IBR	1/1/2030
		Compliance Date - BES IBR - commercial operation on or before effective date - One IBR
R1 - R7	within 3 calendar years of effective date	4/1/2028
		Compliance Date - BES IBR - commercial operation after effective date - One IBR
R1 - R7	within 15 calendar months after effective date	7/1/2026
		Compliance Date - BES-IBR
R8	no later than 9 months after effective date	1/1/2026
		Compliance Date - Non-BES IBR - commercial operation on or before May 15, 2026
R1 - R7	100% of non-BES IBR	1/1/2030
		Compliance Date - Non-BES IBR - commercial operation after May 15, 2026
R1 - R7	within 15 calendar months after effective date or commercial operation, whichever is later	within 15 calendar months after effective date or commercial operation, whichever is later
		Compliance Date - non-BES IBR
R8		4/1/2027

PRC-029-1

Effective Date	First day of the first calendar quarter 12 months after the effective date of the Applicable Governmental Authority's order approving the standard	10/1/2026
Requirement No.	**IP Verbiage**	**Compliance Date - Capability-based BES IBR**
All	Shall comply with the portion of Requirements R1, R2, R3 relating to the design by the effective date of the standard	10/1/2026
		Compliance Date - Capability-based applicable non-BES IBRs
	Shall comply with the portion of R1, R2, R3 relating to design later of: (1) January 1, 2027; or (2) the effective date of the standard	1/1/2027
		Compliance Date - Performance-based all applicable IBRS
	Entities shall not be required to comply with the portion of Requirements R1, R2, and R3 relating to the operation of IBRs to meet the requirements until the entity has established the required disturbance monitoring equipment capabilities for those IBRs in accordance with the implementation plan for Reliability Standard PRC-028-1	
		Compliance Date - BES IBRs
R4	effective date of the standard	10/1/2026
		Compliance Date - Non-BES IBRs
R4	later of: (1) January 1, 2027; or (2) the effective date of the standard	1/1/2027

PRC-030-1

Effective Date	Later of 1) the first day of the first calendar quarter that is twelve (12) months after the effective date of the applicable governmental authority's order approving the standard; or 2) the first day of the first calendar quarter that is twelve (12) months after the effective date of the applicable governmental authority's order approving Reliability Standard PRC-029-1	10/1/2026
Requirement No.	**IP Verbiage**	**Compliance Date - BES IBRs**
All	initially comply with all requirements by the effective date of the standard	10/1/2026
		Compliance Date - applicable non-BES IBRs
R1 - R4	later of: (1) January 1, 2027; or (2) the effective date of the standard	1/1/2027

TPL-001-5

Effective Date	First day of first calendar quarter that is 36 months after the effective date of the order	7/1/2023
Requirement No.	**IP Verbiage**	**Effective/Enforcement Date**
R1	First day of first calendar quarter that is 36 months after the effective date of the order	7/1/2023
R2	First day of first calendar quarter that is 36 months after the effective date of the order	7/1/2023
R3	No changes from v4	
R4	First day of first calendar quarter that is 36 months after the effective date of the order	7/1/2023
R5	No changes from v4	
R6	No changes from v4	
R7	No changes from v4	
R8	No changes from v4	
Table 1	First day of first calendar quarter that is 36 months after the effective date of the order	7/1/2023
Table 1 CAPs for category P5 Events	First day of first calendar quarter that is 60 months after the effective date of the order	7/1/2025
Fully Enforceable Date	First day of first calendar quarter that is 108 months after the effective date of the order	7/1/2029

TPL-008-1

Effective Date		first day of first calendar quarter 12 months after the effective date	4/1/2026
Requirement		**Implementation Plan**	**Compliance Date**
R1	Compliant by	upon effective date	4/1/2026
R2	Compliant by	24 months after effective date	4/1/2028
R3	Compliant by	24 months after effective date	4/1/2028
R4	Compliant by	24 months after effective date	4/1/2028
R5	Compliant by	24 months after effective date	4/1/2028
R6	Compliant by	24 months after effective date	4/1/2028
R7	Compliant by	48 months after effective date	4/1/2030
R8	Compliant by	48 months after effective date	4/1/2030
R9	Compliant by	48 months after effective date	4/1/2030
R10	Compliant by	48 months after effective date	4/1/2030
R11	Compliant by	48 months after effective date	4/1/2030

Extreme Temperature Assessment	Initial Performance	No later than 48 months after effective date	4/1/2030
	Subsequent assessments	Bo later than 5 years following the first one	

Recent NERC Filings

On July 25, 2025, NERC submitted a Request for Clarification of Order 907 regarding the term CIP-networked environment.

On July 31, 2025, NERC submitted a compliance filing regarding revisions to its Rules of Procedure (ROP) Appendix 4E.

On August 4, 2025, NERC submitted a progress update on its Inverter-Based Resources (IBR) Work Plan as directed by FERC in its November 17, 2022 Order.

Recent FERC Filings

On July 24, 2025, FERC issued Order No. 909 approving proposed Reliability Standards PRC-024-4, PRC-029-1, and the definition of the term Ride-through.

- FERC directs NERC, within 12 months of the effective date of the order, to determine whether, and if so how, to account for
  - (1) the equipment limitations of HVDC-connected IBRs with choppers and (2) the long-lead time between adopting IBR design specifications and placing the IBR in-service.
  - Submit an informational filing 18 months after the conclusion of the exemption request period in proposed Reliability Standard PRC-029-1, Requirement R4 that assesses the reliability impact of the exemptions to the standard.
  - Modify PRC-029-1 to clarify acceptable types of evidence for legacy hardware equipment that prevent IBR from meeting the ride-through requirements in PRC-029-1.
- Effective Date PRC-029-1 = 10/1/2026 (Implementation Plan)
- Effective Date PRC-030-1 = 10/1/2026 (Implementation Plan)
- Link to PRC-029-1

On August 11, 2025, FERC issued a Delegated Letter Order accepting the June 16, 2025 Compliance filing submitted in response to FERC's Order Approving the 2024 Five-Year Performance Assessment.

Upcoming Texas RE Events

- 8/21/2025 – NSRF Meeting
- 8/26/2025 – Talk with Texas RE: Data Breach Response
- 9/9/2025 – Talk with Texas RE: Internal Controls
- 9/17/2025 – MRC and Board Meetings (Virtual Only)
- 9/18/2025 – NSRF Meeting

All Texas RE outreach is posted to the Texas RE calendar on its website.

Resources

- NERC Standards Webpage
  - One-Stop-Shop Spreadsheet
  - Functional Applicability Spreadsheet
  - Balloting and Commenting

- **IBR Initiatives**
  - Quick Reference Guide: IBR Registration Initiative
  - Quick Reference Guide: Inverter-Based Resource Activities

TEXAS RE
Ensuring electric reliability for Texans