**Section 1:**

NPRR902 – ERCOT Critical Energy Infrastructure Information

This Nodal Protocol Revision Request (NPRR) clarifies parties’ responsibilities regarding ERCOT Critical Energy Infrastructure Information (ECEII). This NPRR defines ECEII, adds lists of items that are considered ECEII, specifies the restrictions imposed upon parties that receive or create ECEII, allows Market Participants to restrict individual access to ECEII within their organizations through the use of ECEII-eligible Digital Certificates, and provides a framework for the submission of ECEII to ERCOT.

Revised Subsections: 1.3, 1.3.1, 1.3.1.1, 1.3.1.2, 1.3.2, 1.3.3, 1.3.2 (new), 1.3.2.1 (new), 1.3.2.2 (new), 1.3.3 (new), 1.3.4, 1.3.5, 1.3.6, 1.3.8, and 1.3.9 (delete) [effective upon system implementation, but no earlier than July 1, 2020]

NPRR928 – Cybersecurity Incident Notification

This Nodal Protocol Revision Request (NPRR) establishes Market Participant notification responsibilities with respect to Cybersecurity Incidents. Market Participant notification of Cybersecurity Incidents will provide ERCOT with awareness of cybersecurity impacts and vulnerabilities to networks and systems that interface with ERCOT, which will help ERCOT mitigate and prevent injury to the ERCOT System and ERCOT’s ability to perform the functions of an independent organization under the Public Utility Regulatory Act (PURA).

Revised Subsections: 1.3.1.1, 1.3.4, 1.3.5, and 1.3.6 [effective upon system implementation]

**Section 2:**

NPRR902 – ERCOT Critical Energy Infrastructure Information

*See Section 1 above.*

Revised Subsections: 2.1 [effective upon system implementation, but no earlier than July 1, 2020] and 2.2

NPRR928 – Cybersecurity Incident Notification

*See Section 1 above.*

Revised Subsection: 2.1 [effective upon system implementation]

NPRR957 – RTF-4 Definition of Energy Storage Resource and Related Registration and Telemetry Requirements

This Nodal Protocol Revision Request (NPRR) establishes the terms “Energy Storage System” (ESS) and “Energy Storage Resource” (ESR), with ESS serving as an “umbrella term” for storage assets in general, and ESR corresponding to ESSs that are eligible to participate in Security-Constrained Economic Dispatch (SCED) and/or provide Ancillary Services; adds new Section 3.8.6, Energy Storage Resources, to clarify that the Resource Entity and Qualified Scheduling Entity (QSE) representing an ESR are responsible for following all requirements associated with Generation Resources and Controllable Load Resources; adds new paragraph (12) to Section 6.5.5.2, Operational Data Requirements, to specify telemetry requirements unique to ESRs; and adds new paragraph (6) to Section 16.5, Registration of a Resource Entity, to provide greater transparency of ERCOT’s current practice of requiring a Resource Entity to register an ESR as both a Generation Resource and a Controllable Load Resource.

Revised Subsections: 2.1 and 2.2

**Section 3:**

NPRR849 – Clarification of the Range of Voltage Set Points at a Generation Resource’s POI

This Nodal Protocol Revision Request (NPRR) revises Section 3.15, Voltage Support, to clarify the range of voltages at the Point of Interconnection (POI) and circumstances for which a Generation Resource’s reactive capability must be designed to meet.

Revised Subsection: 3.15

NPRR902 – ERCOT Critical Energy Infrastructure Information

*See Section 1 above.*

Revised Subsections: 3.10, 3.10.2, 3.10.3, and 3.10.4 [effective upon system implementation, but no earlier than July 1, 2020]

NPRR941 – Create a Lower Rio Grande Valley Hub

This Nodal Protocol Revision Request (NPRR) creates a trading Hub “Lower Rio Grande Valley 138/345 kV Hub (LRGV 138/345)” in the ERCOT lower Rio Grande Valley. The NPRR also excludes this new Hub from the existing ERCOT-wide Hub average and Bus average calculations in Section 3.5.2.6, ERCOT Hub Average 345 kV Hub (ERCOT 345), and Section 3.5.2.7, ERCOT Bus Average 345 kV Hub (ERCOT 345 Bus).

Revised Subsections: 3.5.2.6 (new), 3.5.2.6, and 3.5.2.7 [effective upon system implementation]

NPRR957 – RTF-4 Definition of Energy Storage Resource and Related Registration and Telemetry Requirements

*See Section 2 above.*

Revised Subsections: 3.8 and 3.8.6 (new)

**Section 6:**

NPRR937 – Distribution Voltage Level Block Load Transfer (BLT) Deployment

This Nodal Protocol Revision Request (NPRR) removes distribution-level and non-Settlement metered Block Load Transfers (BLTs) from Energy Emergency Alert (EEA) Level 2 deployment.

Revised Subsections: 6.5.9.4.2 and 6.5.9.5

NPRR957 – RTF-4 Definition of Energy Storage Resource and Related Registration and Telemetry Requirements

*See Section 2 above.*

Revised Subsection: 6.5.5.2

NPRR968 – Revise EEA Level 3 Triggers from 1375 MW to 1430 MW to Align with New Most Severe Single Contingency Value

This Nodal Protocol Revision Request (NPRR) updates Protocol language for compliance with North American Electric Reliability Corporation (NERC) Reliability Standards BAL-002-3, Disturbance Control Standard – Contingency Reserve for Recovery from a Balancing Contingency Event, and EOP-011-1, Emergency Operations. The NPRR language changes the Physical Responsive Capability (PRC) trigger for EEA Level 3 to match a new Most Severe Single Contingency of 1,430 MW effective January 1, 2020.

Revised Subsection: 6.5.9.4.2

**Section 8:**

NPRR965 – GREDP Shutdown Exemption

This Nodal Protocol Revision Request (NPRR) excludes from the Generation Resource Energy Deployment Performance (GREDP) calculation the five-minute intervals in which a Quick Start Generation Resource (QSGR) is engaging in the decommitment process under Section 3.8.3.1, Quick Start Generation Resource Decommitment Decision Process, or telemetering SHUTDOWN status.

Revised Subsection: 8.1.1.4.1 [effective upon system implementation]

**Section 12:**

NPRR902 – ERCOT Critical Energy Infrastructure Information

*See Section 1 above.*

Revised Subsections: 12.1 and 12.3 [effective upon system implementation, but no earlier than July 1, 2020]

**Section 16:**

NPRR902 – ERCOT Critical Energy Infrastructure Information

*See Section 1 above.*

Revised Subsection: 16.12 [effective upon system implementation, but no earlier than July 1, 2020]

NPRR928 – Cybersecurity Incident Notification

*See Section 1 above.*

Revised Subsection: 16.19 [effective upon system implementation]

NPRR957 – RTF-4 Definition of Energy Storage Resource and Related Registration and Telemetry Requirements

*See Section 2 above.*

Revised Subsection: 16.5

**Section 17:**

NPRR902 – ERCOT Critical Energy Infrastructure Information

*See Section 1 above.*

Revised Subsections: 17.3.2 and 17.4 [effective upon system implementation, but no earlier than July 1, 2020]

**Section 18:**

NPRR877 – Use of Actual Interval Data for IDR ESI IDs for Initial Settlement

This Nodal Protocol Revision Request (NPRR) provides a process to allow for the use of actual metered interval data for initial Settlement of an Operating Day for Electric Service Identifiers (ESI IDs) that currently require BUSIDRRQ Load Profiles.

Revised Subsection: 18.6.1 [unboxed due to system implementation]

**Section 19:**

NPRR969 – Clean-up of Protocol 19.8, Retail Market Testing

This Nodal Protocol Revision Request (NPRR) clarifies language regarding ERCOT’s role in qualifying Market Participants.

Revised Subsection: 19.8

**Section 23:**

NPRR928 – Cybersecurity Incident Notification

*See Section 1 above.*

Revised Forms: A, B, E, G, I, J, M, and O (new) [effective upon system implementation]

**Administrative Changes:**

Non-substantive administrative changes were made such as spelling corrections, formatting, and correcting Section numbering and references.

Revised Subsections: 3.10.7.2, 3.10.5.1, 3.10.7.5.2, 4.4.9.2.2, 17.1, 17.2, 17.3, 17.3.1, 17.3.2, 17.3.4, 17.3.5, 17.4, 17.5, and 17.6