|  |  |  |  |
| --- | --- | --- | --- |
| NPRR Number | [1064](http://www.ercot.com/mktrules/issues/NPRR1064) | NPRR Title | Identification of Chronic Congestion |
| Date Posted | January 26, 2021 |
|  |  |
| Requested Resolution  | Normal |
| Nodal Protocol Sections Requiring Revision  | 3.20, Identification of Chronic Congestion3.20.1, Evaluation of Chronic Congestion3.20.2, Topology and Model Verification |
| Related Documents Requiring Revision/Related Revision Requests | None |
| Revision Description | The Nodal Protocol Revision Request (NPRR) better conforms Protocol language to ERCOT’s as-built systems with respect to the evaluation and reporting of chronic congestion. This NPRR also clarifies ERCOT’s expectations and processes regarding the verification of modeling information for elements that are included in the chronic congestion report.  |
| Reason for Revision |  Addresses current operational issues. Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/wcm/lists/144926/ERCOT_Strategic_Plan_2019-2023.pdf) or directed by the ERCOT Board). Market efficiencies or enhancements Administrative Regulatory requirements Other: (explain)*(please select all that apply)* |
| Business Case | ERCOT reports chronically congested elements in the operations report presented at each meeting of the Reliability Operations Subcommittee (ROS). ERCOT’s systems, as-built, identify elements for inclusion in this report when a constraint has been active or binding for three or more days within a calendar month. However, existing Protocol language describes chronic congestion as a constraint that is active or binding for three or more days in a rolling 30-day period. This NPRR revises Section 3.20 to better conform to ERCOT’s as-built system for tracking chronic congestion. ERCOT has conducted a review and determined that, for 2020, tracking elements using a rolling 30-day period metric would have resulted in only a slight increase in the number of elements included on the chronic congestion report. Because changing ERCOT’s systems to conform to the rolling 30-day period metric would be costly, and appears unnecessary because it would not result in a material difference to the contents of the report, ERCOT proposes conforming Section 3.20 to existing systems. This NPRR revises the description of chronic congestion to include only binding constraints, rather than both active and binding constraints, in order to focus the evaluation and verification process set forth in Section 3.20.2 on those Transmission Elements that are of greatest concern. Additionally, ERCOT proposes revisions to Section 3.20.1 and paragraph (1) of Section 3.20.2 to clarify ERCOT’s expectations with respect to verification of model data for elements that appear on the chronic congestion report. ERCOT relies on Transmission Service Providers (TSPs) and Resource Entities to submit accurate model data. Accordingly, this NPRR clarifies that, if notified, TSPs and Resources Entities must verify that the model data associated with elements included in the report is accurate. Futher, in conjunction with this NPRR, ERCOT is proposing a System Change Request (SCR) that will prompt an Entity that submits modelling information for a jointly-rated element to verify it coordinated on the submission with the other entities responsible for the element, in order to better ensure accuracy of the network model. ERCOT also proposes revisions to paragraph (2) of Section 3.20.2 to make clear that if ERCOT has reason to believe model data is not accurate, it will coordinate with the relevant TSP(s) or Resource Entity to ensure the data is correct. Finally, ERCOT proposes deleting paragraph (3) of Section 3.20.2, as it is redundant of language in paragraph (5) of Section 3.10, Network Operations Modeling and Telemetry, that requires consistency between operational and planning models that are intended to represent the same system state.  |

|  |
| --- |
| Sponsor |
| Name | Freddy Garcia |
| E-mail Address | Freddy.garcia@ercot.com |
| Company | ERCOT |
| Phone Number | 512-248-4245 |
| Cell Number |  |
| Market Segment | Not applicable |

|  |
| --- |
| **Market Rules Staff Contact** |
| **Name** | Cory Phillips |
| **E-Mail Address** | cory.phillips@ercot.com |
| **Phone Number** | 512-248-6464 |

|  |
| --- |
| Proposed Protocol Language Revision |

3.20 Identification of Chronic Congestion

(1) A constraint that has been binding in Real-Time on three or more Operating Days within a calendar month shall be considered to be experiencing chronic congestion.

3.20.1 Evaluation of Chronic Congestion

(1) ERCOT shall evaluate chronic congestion monthly and shall report the results of its evaluation to the appropriate Technical Advisory Committee (TAC) subcommittee(s). The report must identify the constraint(s) causing the chronic congestion.

3.20.2 Topology and Model Verification

(1) For constraints identified in the report required by Section 3.20.1, Evaluation of Chronic Congestion, ERCOT shall notify the appropriate Transmission Service Provider(s) (TSPs) or Resource Entity. The TSP or Resource Entity must verify that the data in the Network Operations Model and Updated Network Model is accurate, including the Ratings of the Transmission Facility causing the binding transmission constraint.

|  |
| --- |
| ***[NPRR857: Replace paragraph (1) above with the following upon system implementation:]***(1) For constraints identified in the report required by Section 3.20.1, Evaluation of Chronic Congestion, ERCOT shall notify the appropriate Transmission Service Provider(s) (TSPs), Direct Current Tie Operator (DCTO), or Resource Entity. The TSP, DCTO, or Resource Entity must verify that the data in the Network Operations Model and Updated Network Model is accurate, including the Ratings of the Transmission Facility causing the binding transmission constraint. |

(2) If ERCOT determines that the Network Operations Model, the Updated Network Model, or the configuration of the Transmission Facility may be inaccurate, ERCOT shall coordinate with the owner of the Transmission Facility to determine if the Ratings should be updated, as provided by paragraph (3) of Section 3.10, Network Operations Modeling and Telemetry.