

NPRR219 – Grey-Boxed Language

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NPRR Number	219	NPRR Title	Resolution of Alignment Items A33, A92, A106, and A150 - TSPs Must Submit Outages for Resource Owned Equipment and Clarification of Changes in Status of Transmission Element Postings
Nodal Protocol Sections Grey-Boxed		3.1.3.1, Transmission Facilities 3.1.5.1, ERCOT Evaluation of Planned Outage and Maintenance Outage of Transmission Facilities 3.3.2.1, Information to Be Provided to ERCOT 8.3, TSP Performance Monitoring and Compliance	

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3.1.3.1 Transmission Facilities

- (1) Each TSP shall provide to ERCOT a Planned Outage or Maintenance Outage plan in an ERCOT-provided format for the next 12 months updated monthly. Planned Outage or Maintenance Outage scheduling data for Transmission Facilities must be kept current. Updates must identify all changes to any previously proposed Planned Outages or Maintenance Outages and any additional Planned Outages or Maintenance Outage anticipated over the next 12 months. ERCOT shall coordinate in-depth reviews of the 12-month plan with each TSP at least twice per year.

[NPRR219: Insert paragraph (2) upon system implementation:]

- (2) ERCOT shall report statistics on how TSP Planned Outages compare with actual TSP Outages, post those statistics to the MIS Secure Area, and report those statistics to ERCOT subcommittees twice per year. However, to the extent Outages are required to repair or improve telemetry accuracy or failures, the Outage must not be counted against the TSP in its performance of planning Outages, because such Outages cannot reasonably be forecasted 12 months in advance.

3.1.5.1 ERCOT Evaluation of Planned Outage and Maintenance Outage of Transmission Facilities

- (1) TSPs and Resource Entities shall request a Planned Outage or Maintenance Outage for their respective Transmission Facilities (i.e. Transmission Facilities owned by such Entities) that are part of the ERCOT Transmission Grid and defined in the Network Operations Model. For Resource Entities within a Private Use Network, this only includes Transmission Facilities at the Point of Interconnection (POI). Specifically, such requests shall be made when a relevant Transmission Facility will be removed from its normal service. For TSP requests, the TSPs shall enter such requests in the Outage Scheduler. For Resource Entity requests, ERCOT shall enter such requests in the Outage

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Scheduler on behalf of the Resource Entity. ERCOT's obligation to enter outage requests for Resource Entities is valid only for the purposes of Transmission Facilities Outage Scheduler entry requirements prescribed by the ERCOT Protocols and Operating Guides. ERCOT's obligations hereunder do not create any legal obligation or responsibility related to any other legal obligations applicable to a Resource Entity. ERCOT's obligation shall terminate upon the implementation of system changes that enable Resource Entities to perform this function. Planned Outages or Maintenance Outages for Electrical Buses will be treated as consequentially outaged Transmission Elements. In those cases where a TSP enters the breaker and switch statuses associated with an Electrical Bus, a downstream topology processor will evaluate the breakers and switches associated with the applicable Electrical Bus to determine if the Electrical Bus is consequentially outaged, and to thereby designate the status of the Electrical Bus. Proposed Transmission Planned Outage or Maintenance Outage information submitted by a TSP or Resource Entity in accordance with this Section constitutes a request for ERCOT's approval of the Outage Schedule associated with the Planned Outage or Maintenance Outage. ERCOT is not deemed to have approved the Outage Schedule associated with the Planned Outage or Maintenance Outage until ERCOT notifies the TSP or Resource Entity of its approval under procedures adopted by ERCOT. Once ERCOT posts a Resource Entity Transmission Facility Outage request on the MIS Secure Area, the Resource Entity shall review the submitted Outage for accuracy and request that ERCOT submit modifications if necessary. ERCOT shall evaluate requests under Section 3.1.5.11, Evaluation of Transmission Facilities Planned Outage or Maintenance Outage Requests.

[NPRR219: Replace paragraph (1) above with the following upon system implementation:]

- (1) A TSP or Resource Entity shall request a Planned Outage or Maintenance Outage when any Transmission Facility that is part of the ERCOT Transmission Grid and defined in the Network Operations Model will be removed from its normal service. For Resource Entities within a Private Use Network, this only includes Transmission Facilities at the Point of Interconnection (POI). For TSP requests, the TSPs shall enter such requests in the Outage Scheduler. For Resource Entity requests, the Resource Entity shall enter such requests in the Outage Scheduler. Planned Outages or Maintenance Outages for Electrical Buses will be treated as consequentially outaged Transmission Elements. In those cases where a TSP enters the breaker and switch statuses associated with an Electrical Bus, a downstream topology processor will evaluate the breakers and switches associated with the applicable Electrical Bus to determine if the Electrical Bus is consequentially outaged, and to thereby designate the status of the Electrical Bus. Proposed Transmission Planned Outage or Maintenance Outage information submitted by a TSP or Resource Entity in accordance with this Section constitutes a request for ERCOT's approval of the Outage Schedule associated with the Planned Outage or Maintenance Outage. ERCOT is not deemed to have approved the Outage Schedule associated with the Planned Outage or Maintenance Outage

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until ERCOT notifies the TSP or Resource Entity of its approval under procedures adopted by ERCOT. ERCOT shall evaluate requests under Section 3.1.5.11, Evaluation of Transmission Facilities Planned Outage or Maintenance Outage Requests.

- (2) ERCOT shall review and approve Planned Outages and Maintenance Outages of Transmission Facilities schedules. ERCOT shall transmit its approvals and rejections to TSPs via the ERCOT Outage Scheduler. Once approved, ERCOT may not withdraw its approval except under the conditions described in Section 3.1.5.7, Withdrawal of Approval and Rescheduling of Approved Planned Outages and Maintenance Outages of Transmission Facilities.
- (3) Private Use Network Outage requests submitted pursuant to this Section shall not be publicly posted.

3.3.2.1 Information to Be Provided to ERCOT

- (1) The energization or removal of a Transmission Facility or Generation Resource in the Network Operations Model requires an entry into the Outage Scheduler by a TSP or Resource Entity. The Resource Entity shall make entries in the Outage Scheduler for Outages of new or relocated Generation Resources. ERCOT shall submit entries into the Outage Scheduler on behalf of the Resource Entity, for any energization or removal of Transmission Facilities owned by the Resource Entity. Once ERCOT posts a Resource Entity Transmission Facility Outage request on the MIS Secure Area, the Resource Entity shall review the submitted Outage for accuracy of information and request that ERCOT submit modifications if necessary. If any changes in system topology or telemetry are expected, then the TSP or Resource Entity shall notify ERCOT in accordance with the schedule in Section 3.3.1, ERCOT Approval of New or Relocated Facilities. Information submitted pursuant to Section 3.3.2.1 for Transmission Facilities within a Private Use Network shall not be publicly posted.
- (2) If a Resource Entity within a Private Use Network is adding or removing a Transmission Facility at the Point of Interconnection (POI), it shall inform and determine with ERCOT whether any corresponding Network Operations Model updates are necessary. If ERCOT and the Resource Entity determine that updates are needed, the process set forth in paragraph (1) above shall be used to incorporate the update into the Network Operations Model and Outage Scheduler. Information submitted pursuant to paragraph (1) above shall not be publicly posted.

[NPRR219: Replace paragraphs (1) and (2) above with the following upon system implementation:]

- (1) The energization or removal of a Transmission Facility or Generation Resource in the Network Operations Model requires an entry into the Outage Scheduler by a TSP or Resource Entity. For TSP requests, the TSPs shall enter such requests in the Outage

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Scheduler. For Resource Entity requests, the Resource Entity shall enter such requests in the Outage Scheduler. If any changes in system topology or telemetry are expected, then the TSP or Resource Entity shall notify ERCOT in accordance with the schedule in Section 3.3.1, ERCOT Approval of New or Relocated Facilities. Information submitted pursuant to this subsection for Transmission Facilities within a Private Use Network shall not be publicly posted.

- (2) If a Resource Entity within a Private Use Network is adding or removing a Transmission Facility at the Point of Interconnection (POI), it shall inform and determine with ERCOT whether any corresponding Network Operations Model updates are necessary. If ERCOT and the Resource Entity determine that updates are needed, the process set forth in paragraph (1) above shall be used to incorporate the update into the Network Operations Model. Information submitted pursuant to this paragraph (1) above shall not be publicly posted.
- (3) TSPs and Resource Entities shall submit any changes in system topology or telemetry in accordance with the Network Operations Model Change Request (NOMCR) process or other ERCOT-prescribed process applicable to Resource Entities and according to the requirements of Section 3.10.1, Time Line for Network Operations Model Changes. The submittal shall include the following:
 - (a) Proposed energize date;
 - (b) TSPs or Resource Entities performing work;
 - (c) TSPs or Resource Entities responsible for rating affected Transmission Element(s);
 - (d) For Resource Entities, data and information required by Section 16.5, Registration of a Resource Entity;
 - (e) Station identification code;
 - (f) Identification of existing Transmission Facilities involved and new Transmission Facilities (if any) being added or existing Transmission Facilities being permanently removed from service;
 - (g) Ratings of existing Transmission Facilities involved and new Transmission Facilities (if any) being added;
 - (h) Outages required (clearly identify each Outage if multiple Outages are required), including sequence of Outage and estimate of Outage duration;
 - (i) General statement of work to be completed with intermediate progress dates and events identified;

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- (j) SCADA modification work, including descriptions of the telemetry points or changes to existing telemetry, providing information on equipment being installed, changed, or monitored;
- (k) Additional data determined by ERCOT and TSPs, or Resource Entities as needed to complete the ERCOT model representation of existing Transmission Facilities involved and new Transmission Facilities (if any) being added;
- (l) Statement of completion, including:
 - (i) Statement to be made at the completion of each intermediate stage of project; and
 - (ii) Statement to be made at completion of total project.
- (m) Drawings, including:
 - (i) Existing status;
 - (ii) Each intermediate stage; and
 - (iii) Proposed final configuration.

8.3 TSP Performance Monitoring and Compliance

- (1) ERCOT shall develop a Technical Advisory Committee (TAC)- and ERCOT Board-approved Transmission Service Provider (TSP) monitoring program to be included in the Operating Guides for TSPs prior to the Texas Nodal Market Implementation Date, which shall include the following:
 - (a) Real-Time data:
 - (i) Telemetry performance;
 - (b) Compliance with model update requirements, including provision of network data in Common Informational Model (CIM) compatible format and consistency with the Transmission Element naming convention developed in accordance under Section 3, Management Activities for the ERCOT System;
 - (c) Compliance with valid Dispatch Instructions.

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[NPRR219 & 257: Replace or insert applicable paragraphs of Section 8.3, TSP Performance Monitoring and Compliance, above, with the following upon system implementation:]

8.3 TSP Performance Monitoring and Compliance

- (1) ERCOT shall develop a Technical Advisory Committee (TAC)- and ERCOT Board-approved Transmission Service Provider (TSP) monitoring program to be included in the Operating Guides for TSPs prior to the Texas Nodal Market Implementation Date, which shall include the following:
 - (a) Transmission Element ratings methodology as required by ERCOT:
 - (i) Timely submittal of ratings, required information on methodology, and updates as requested by ERCOT; and
 - (ii) Timely response to ERCOT requests to review rating methodology;
 - (b) Real-Time data:
 - (i) Telemetry performance; and
 - (ii) Communications system performance;
 - (c) Outage scheduling and coordination; TSP Outage planning and scheduling statistics must have less weight the further out these statistics are from the Planned Outage date;
 - (d) Compliance with model update requirements, including provision of network data in Common Informational Model (CIM) compatible format and consistency with the Transmission Element naming convention developed in accordance under Section 3, Management Activities for the ERCOT System;
 - (e) Staffing plan for a backup control facility or procedures in the event that the primary facility is unusable, for TSPs; and
 - (f) Compliance with valid Dispatch Instructions.