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| NPRR Number |  | NPRR Title |  |
| Date Posted |  |
|  |  |
| Requested Resolution  | Normal or Urgent, and justification for Urgent status |
| Nodal Protocol Sections Requiring Revision  | Include Section No. and Title |
| Related Documents Requiring Revision/Related Revision Requests | Include title of document to be revised (i.e. Operating Guide, Telemetry Standards, etc.) or related Revision Request number and title. |
| Revision Description | Describe the basic function of the Revision Request. |
| Reason for Revision |  Addresses current operational issues. Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/news/presentations/2013/ERCOT%20Strat%20Plan%20FINAL%20112213.pdf) or directed by the ERCOT Board). Market efficiencies or enhancements Administrative Regulatory requirements Other: (explain)*(please select all that apply)* |
| Business Case | Describe qualitative benefits (Examples: satisfies regulatory requirements, data transparency enhancement, etc.), quantitative benefits (benefit calculations), impacts to market segments and other information relating to the impacts or benefits of the NPRR. |

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| Sponsor |
| Name |  |
| E-mail Address |  |
| Company |  |
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| Market Segment |  |

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| **Market Rules Staff Contact** |
| **Name** |  |
| **E-Mail Address** |  |
| **Phone Number** |  |

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| Proposed Protocol Language Revision |

## DEFINITIONS

Initial Energization

The first time an All-Inclusive Generation Resource facility’s equipment connects to the ERCOT system. This occurs prior to any Commercial Operations Dates or Resource Commissioning Dates as defined in these Protocols.

Initial Synchronization

The first time an All-Inclusive Generation Resource facility’s equipment produces power, for testing purposes, to the ERCOT system, during its commissioning. This occurs prior to any Commercial Operations Dates or Resource Commissioning Dates as defined in these Protocols.

1.3.3 Expiration of Confidentiality

(1) If PUCT Substantive Rules or other sections of the ERCOT Protocols require public posting (or posting to all Market Participants) of information identified as Protected Information in Section 1.3.1.1, Items Considered Protected Information, the Protected Information status of such information shall expire at the time such information is required to be posted.

(2) ERCOT shall make the following information available on the MIS Public Area in a standard reporting format:

(a) Ancillary Service Obligation and Ancillary Service Supply Responsibility for each QSE. This information shall be made available 180 days after the Operating Day; and

(b) Complete COP data for each QSE snapshot on each hour. This information shall be made available 60 days after the Operating Day.

(3) ERCOT shall make available the AML for each QSE by LSE, by Load Zone and by Settlement Interval, from the True-Up settlement. This data shall be made available within two Business Days of the 180 day expiration of confidentiality date. Data for the posting will remain accessible for six months after such data are posted.

(4) The Protected Information status of the following information related to generation interconnection requests expires once ERCOT receives a request from an Interconnecting Entity (IE) for a Full Interconnection Study (FIS):

(a) County in which the Facility is located;

(b) Facility fuel type(s);

(c) Facility nameplate capacity;

(d) Anticipated Commercial Operations Date(s);

(e) Facility name;

(f) Identity of the IE; and

(g) The security screening study.

Information related to items (a) through (f) above will be updated and posted at least once per month on the ERCOT MIS Public Area.

 (5) Upon the expiration of the Protected Information status of any data specified in Section 1.3.1.1, which does not have specific posting requirements, that data must be made available to the extent required under Section 12, Market Information System.

(6) Information that is no longer Protected Information, but not posted, including Dispatch Instructions, is available on request under the ERCOT Request for Records and Information Policy. Requested information must be provided within a reasonable timeframe. For Dispatch Instructions, the information may be requested with respect to a specific Resource, where applicable, and by service type and Settlement Interval or as integrated over each Settlement Interval for Dispatch Instructions with sub-Settlement Interval frequency.

3.10.1 Time Line for Network Operations Model Changes

(1) ERCOT shall perform periodic updates to the Network Operations Model. Market Participants may provide Network Operations Model updates to ERCOT to implement planned transmission and Resource construction one year before the required submittal date below. TSPs and Resource Entities must timely submit Network Operations Model changes pursuant to the schedule in this Section to be included in the updates.

(2) For a facility addition, revision, or deletion to be included in any Network Operations Model update, all technical modeling information must be submitted to ERCOT pursuant to the ERCOT NOMCR process or the applicable Resource Registration process for Resource Entities. Resource Entities must meet the conditions of Planning Guide Section 6.9 for inclusion in the planning models before submitting data to add a new, or increase the capacity of, an All-Inclusive Generation Resource to the Network Operations Model.

3.10.7.6 Use of Generic Transmission Constraints and Generic Transmission Limits

(1) For the sole purpose of creating transmission flow constraints between areas of the ERCOT Transmission Grid in ERCOT applications that are unable to recognize non-thermal operating limits (such as system stability limits and voltage limits on Electrical Buses), ERCOT may create new Generic Transmission Constraints (GTCs) or modify existing GTCs for use in reliability and market analysis. GTCs created or modified as described in this Section shall be used in the SCED application. ERCOT shall not use GTCs in ERCOT applications to replace other constraints already capable of being directly modeled in the SCED application.

(2) During the ERCOT triannual assessment, performed pursuant to Section 5.9 of the Planning Guide, if ERCOT determines a GTC is necessary for a new All-Inclusive Generation Resource due to localized stability issues associated with the output of the interconnecting All-Inclusive Generation Resource, the GTL for the GTC shall be set to the lowest non-zero limit for all system condition outside those in which the limit is zero, unless a Remedial Action Scheme (RAS) has been implemented pursuant to Section 5.4.5(6)(d) of the Planning Guide.

(3) Except as provided in paragraph (6) below, ERCOT shall post a description of each new or modified GTC to the MIS Secure Area as soon as possible, but no later than the day prior to the GTC or GTC modification becoming effective in any ERCOT application. Posting of each new or modified GTC shall include:

(a) The description of the new or modified GTC including the GTL or description of the data and studies used to calculate the GTL associated with each new or modified GTC;

(b) The effective date of the new or modified GTC;

(c) The identity of all constrained Transmission Elements that make up the GTC, including the defined interface where applicable; and

(d) Detailed information on the development of each GTC, including the defined constraint or interface where applicable; and data and studies used for development of each new or modified GTC, including the GTL associated with each new or modified GTC. This information shall be redacted or omitted to protect the confidentiality of certain stability-related GTCs.

(4) Market Participants may review and comment on each new or modified GTC. Within seven days following receipt of any comments, ERCOT shall post the comments to the MIS Secure Area as part of the information related to the subject GTC. ERCOT shall review any comments and may modify any part of a given GTC in response to any comments received.

(5) Anticipated GTLs, except those determined pursuant to paragraph (5) below, shall be posted to the MIS Secure Area no later than one day before the Operating Day.

(6) If an unexpected change to ERCOT System conditions requires the creation of a new GTC or the modification of an existing GTC to manage ERCOT System reliability, and the GTC has not been posted pursuant to paragraph (2) above, ERCOT shall issue an Operating Condition Notice (OCN) and post on the MIS Secure Area the new or modified GTC and its associated GTL(s), including the detailed information described in paragraphs (2) and (4) above. ERCOT shall include an explanation regarding why it did not post the GTC or modification on the previous day.

(7) No later than 180 days after the effective date of a new GTC (or December 31, 2017 for GTCs effective before December 31, 2016), ERCOT shall post a report listing alternatives for exiting the GTC to the MIS Secure Area. The listed alternatives may include but are not limited to the implementation or modification of a Remedial Action Scheme (RAS) or a transmission improvement project.

3.11.6 Generation Interconnection Process

(1) The generation interconnection process facilitates the interconnection of new generation units in the ERCOT Region by assessing the transmission upgrades necessary for new generating units to operate reliably. The process to study interconnecting new generation or modifying an existing generation interconnection to the ERCOT Transmission Grid is covered in the Planning Guide. The generation interconnection study process primarily addresses the direct connection of generation Facilities to the ERCOT Transmission Grid and directly-related projects. Projects that are identified through this process and are regional in nature may be reviewed through the RPG Project Review process upon recommendation by the TSP or ERCOT, subject to the confidentiality provisions in Protocol Section 1.3, Confidentiality.

(2) ERCOT shall perform an independent economic analysis of the transmission projects that are identified through this process that are expected to cost more than $25,000,000. This economic analysis is performed only for informational purposes; as such, no ERCOT endorsement will be provided. The results of the economic analysis shall be included in the interconnection study posting.

(3) Additional upgrades to the ERCOT Transmission Grid that might be cost-effective as a result of new or modified generation may be initiated by any stakeholder through the RPG Project Review procedure described in Section 3.11.4, Regional Planning Group Project Review Process, at the appropriate time, subject to the confidentiality provisions of the generation interconnection procedure.

16.5 Registration of a Resource Entity

(1) A Resource Entity owns or controls an All-Inclusive Resource connected to the ERCOT System. Each Resource Entity operating in the ERCOT Region must register with ERCOT. To become registered as a Resource Entity, an Entity must execute a Standard Form Market Participant Agreement (using the form in Section 22, Attachment A, Standard Form Market Participant Agreement), designate Resource Entity Authorized Representatives, contacts, and a User Security Administrator (USA) (per the Application for Registration as a Resource Entity), and demonstrate to ERCOT’s reasonable satisfaction that it is capable of performing the functions of a Resource Entity under these Protocols. The Resource Entity shall provide Resource Registration data pursuant to Planning Guide Section 6.8.2, Resource Registration Process, for each All-Inclusive Resource through ERCOT registration, except for Distributed Generation (DG) with an installed capacity equal to or lower than the DG registration threshold. A Resource Entity may submit a proposal to register the aggregation of non-Intermittent Renewable Resource (IRR) generators as an Aggregate Generation Resource (AGR) which ERCOT may grant at its sole discretion.

(2) Prior to commissioning, Resources Entities will regularly update the data necessary for modeling. These updates will reflect the best available information at the time submitted.

(3) Following ERCOT’s receipt of a new or amended Standard Generation Interconnection Agreement (SGIA) or a letter from a duly authorized official from the Municipally Owned Utility (MOU) or Electric Cooperative (EC), ERCOT shall review the description of the proposed All-Inclusive Generation Resource in Exhibit “C” (or similar exhibit) to the SGIA and the data submitted pursuant to Planning Guide Section 6.9, Addition of Proposed Generation Resources to the Planning Models, to assess whether the Resource, as proposed, would violate any operational standards established in the Protocols, Planning Guide, Nodal Operating Guides, and Other Binding Documents. ERCOT must provide its determination to the Transmission Service Provider (TSP) and the owner of the proposed All-Inclusive Generation Resource within 90 days of the date ERCOT receives the new or amended SGIA or letter from a duly authorized official from the MOU or EC, and All-Inclusive Generation Resource has met the conditions of Planning Guide Section 6.9 for inclusion in the planning models. Notwithstanding the foregoing, this determination shall not preclude ERCOT from subsequently determining that the Resource violates any operational standards established in the Protocols, Planning Guide, Nodal Operating Guides, and Other Binding Documents or from taking any appropriate action based on that determination.

(4) ERCOT shall not permit Initial Synchronziation of an All-Inclusive Generation Resource if any of the following occur:

(a) Pursant to paragraph (3) above, ERCOT reasonably determines that the All-Inclusive Generation Resource may violate operational standards established in the Protocols, Planning Guide, Nodal Operating Guides, ERCOT procedures, and Other Binding Documents, unless the Resource Entity can demonstrate that the All-Inclusive Generation Resource can comply with the standards indicated in paragraph (3) above to ERCOT’s satisfaction; or

(b) The requirements of Sections 5.4 and 5.9 of the Planning Guide have not been completed for the All-Inclusive Generation Resource.

(5) DG with an installed capacity greater than one MW, the DG registration threshold, which exports energy into a Distribution System, must register with ERCOT. ERCOT shall produce quarterly reports on the total unregistered installed capacity of DG as specified in Commercial Operations Market Guide Section 10.3, Unregistered Distributed Generation Reports.