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| NPRR Number | [961](http://www.ercot.com/mktrules/issues/NPRR961) | NPRR Title | Related to NOGRR194, Relocate Black Start Training Attendance Requirements to Nodal Operating Guides |
| Date of Decision | | October 8, 2019 | |
| Action | | Approved | |
| Timeline | | Normal | |
| Effective Date | | November 1, 2019 | |
| Priority and Rank Assigned | | Not applicable | |
| Nodal Protocol Sections Requiring Revision | | 3.14.2, Black Start | |
| Related Documents Requiring Revision/Related Revision Requests | | Nodal Operating Guide Revision Request (NOGRR) 194, Relocate Black Start Training Attendance Requirements to Nodal Operating Guides | |
| Revision Description | | This Nodal Protocol Revision Request (NPRR) aligns the Protocols with changes proposed in NOGRR194. | |
| 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 | | This NPRR eliminates potential confusion with regard to system operations training requirements found in the Nodal Protocols and Nodal Operating Guides by consolidating all requirements to the Nodal Operating Guides. | |
| Credit Work Group Review | | ERCOT Credit Staff and the Credit Work Group (Credit WG) have reviewed NPRR961 and do not believe that it requires changes to credit monitoring activity or the calculation of liability. | |
| PRS Decision | | On 8/15/19, PRS unanimously voted to recommend approval of NPRR961 as revised by PRS. All Market Segments were present for the vote.  On 9/12/19, PRS unanimously voted to endorse and forward to TAC the 8/15/19 PRS Report and the Impact Analysis for NPRR961. All Market Segments were present for the vote. | |
| Summary of PRS Discussion | | On 8/15/19, some participants expressed a preference that paragraph (5) of Section 3.14.2 remain intact.  On 9/12/19, there was no discussion. | |
| TAC Decision | | On 9/25/19, TAC unanimously voted to recommend approval of NPRR961 as recommended by PRS in the 9/12/19 PRS Report. All Market Segments were present for the vote. | |
| Summary of TAC Discussion | | On 9/25/19, there was no discussion. | |
| ERCOT Opinion | | ERCOT supports approval of NPRR961. | |
| Board Decision | | On 10/8/19, the ERCOT Board approved NPRR961 as recommended by TAC in the 9/25/19 TAC Report. | |

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| Market Segment | Not applicable |

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| **Comments Received** | |
| Comment Author | **Comment Summary** |
| None |  |

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| Market Rules Notes |

Please note that the following NPRR(s) also propose revisions to the following section(s):

* NPRR950, Switchable Generation Resources Providing Black Start Service
  + Section 3.14.2

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| Proposed Protocol Language Revision |

3.14.2 Black Start

(1) Each Generation Resource providing BSS must meet the requirements specified in North American Electric Reliability Corporation (NERC) Reliability Standards and the Operating Guides.

(2) Each Generation Resource providing BSS must meet technical requirements specified in Section 8.1.1, QSE Ancillary Service Performance Standards, and Section 8.1.1.1, Ancillary Service Qualification and Testing.

(3) Bids for BSS are due on or before February 15th of each two year period. Bids must be evaluated based on evaluation criteria attached as an appendix to the request for bids and contracted by December 31st for the following two year period. ERCOT shall ensure BSSs are arranged, provided, and deployed as necessary to reenergize the ERCOT System following a Blackout or Partial Blackout.

(a) Resources shall disclose any weather-related limitations that could affect the Resource’s ability to provide BSS using the form provided in Section 22, Attachment M, Generation Resource Disclosure Regarding Bids for Black Start Service, as part of a bid to provide BSS.

(b) When a Resource is selected to provide BSS, the Black Start Resource shall be required to complete all applicable testing requirements as specified in Section 8.1.1.2.1.5, System Black Start Capability Qualification and Testing.

(c) ERCOT shall provide a list of all prospective Black Start Resources that responded to the Request for Proposal for BSS to the impacted TSPs no later than seven days after the date on which bids for BSS are due. Any feedback from affected TSPs shall be limited to the identification of transmission constraints that may adversely impact the ability of the Black Start Resource to energize the Next Start Resource and shall be due to ERCOT by March 1st of that year. ERCOT shall share the feedback with the QSE representing the prospective Black Start Resource as soon as practicable. The QSE representing the Black Start Resource shall have the option to provide a response to any feedback provided by an affected TSP.

(4) ERCOT may schedule unannounced Black Start testing, to verify that BSS is operable as specified in Section 8.1.1.2.1.5, System Black Start Capability Qualification and Testing.

(5) QSEs representing Generation Resources contracting for BSSs shall participate in training and restoration drills coordinated by ERCOT.



(6) ERCOT shall periodically determine and review the location and number of Black Start Resources required, as well as any special transmission or voice communication needs required. ERCOT and providers of this service shall meet the requirements as specified in the Operating Guides and in NERC Reliability Standards.

(7) A Resource Entity representing a Black Start Resource may request that an alternate Generation Resource which is connected to the same black start primary and secondary cranking path as the original Black Start Resource be substituted in place of the original Black Start Resource during the two year term of an executed Standard Form Black Start Agreement (Section 22, Attachment D, Standard Form Black Start Agreement) if the alternate Generation Resource meets testing and verification under established qualification criteria to ensure BSS.

(a) ERCOT, in its sole discretion, may reject a Resource Entity’s request for an alternate Generation Resource and will provide the Resource Entity an explanation of such rejection.

(b) If ERCOT accepts the alternative Generation Resource as the substituted Black Start Resource, such acceptance shall not affect the original terms, conditions and obligations of the Resource Entity under the Standard Form Black Start Agreement. The Resource Entity shall submit to ERCOT an Amendment to Standard Form Black Start Agreement (Section 22, Attachment I, Amendment to Standard Form Black Start Agreement) after qualification criteria has been met.

(8) For the purpose of the Black Start Hourly Standby Fee as described in Section 6.6.8.1, Black Start Hourly Standby Fee, the Black Start Service Availability Reduction Factor shall be determined by using the availability for the original Black Start Resource and any substituted Black Start Resource(s), as appropriate for the rolling 4380 hour period of the evaluation.

(9) Each Generation Resource selected to provide BSS shall be prepared and able to provide BSS at any time as may be required by ERCOT, subject only to the limitations described in ERCOT Protocols or the Black Start Agreement.