



Item 10: TAC Report

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2021 Technical Advisory Committee (TAC) Chair

Urgent Board of Directors Meeting

ERCOT Public

June 7-8, 2021

Summary of TAC Update

Revision Requests Recommended for Approval by TAC – Unopposed

- NPPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols
- NPPRR1062, Modify IDR Meter Requirement and Eliminate IDR Meter Requirement Report
- NPPRR1064, Identification of Chronic Congestion
- NPPRR1071, Minor Revisions to the Reporting of Demand Response by Retail Electric Providers and Non-Opt-In Entities
- NPPRR1074, “mp” Definition Revision - URGENT
- LPGRR068, Add BUSLRG and BUSLRGDG Profile Types
- NOGRR199, Related to NPPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols
- PGRR088, Include Financial Security Amount in the Monthly Generator Interconnection Status Report
- RMGRR164, Related to NPPRR1062, Modify IDR Meter Requirement and Eliminate IDR Meter Requirement Report

Revision Requests Recommended for Approval by TAC – Non-Unanimous

- NPPRR1075, Update Telemetered HSL and/or MPC for ESRs in Real-Time to Meet Ancillary Service Resource - URGENT

Summary of TAC Update

April/May TAC Highlights

- May 3, 2021 Summer Preparedness Workshop
- 2021 TAC Goals and Strategic Initiatives
- 2021 RMS, ROS, and PRS Goals

Guide Revisions Approved by TAC

- OBDRR026, Revisions to Demand Response Data Definitions and Technical Specifications

Revision Requests with Opposing Votes (Vote)

NPRR1075, Update Telemetered HSL and/or MPC for ESRs in Real-Time to Meet Ancillary Service Resource Responsibility - URGENT

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| Purpose (Key Capture Energy) | <p>This Nodal Protocol Revision Request (NPRR) allows ESRs to update their High Sustained Limit (HSL) and/or Maximum Power Consumption (MPC) in Real-Time for the purposes of maintaining sufficient energy to meet an Ancillary Service Resource Responsibility. The ability for ESRs to update their Real-Time HSL and/or MPC would expire at the earlier of system implementation of Real-Time Co-Optimization (RTC) or implementation of a Mitigated Offer Cap (MOC) for ESRs other than the System-Wide Offer Cap (SWCAP).</p> |
| TAC Vote | <p>On 5/26/21, TAC voted via roll call to recommend approval of NPRR1075 as recommended by PRS in the 5/13/21 PRS Report, and the Impact Analysis for NPRR1075, with a recommended effective date of upon ERCOT Board approval. There were two opposing votes from the Consumer (CMC Steel Texas, Air Liquide) Market Segment and one abstention from the Independent Generator (Calpine) Market Segment.</p> |
| ERCOT Opinion | <p>ERCOT supports approval of NPRR1075</p> |
| Effective Date/Priority | <p>Upon ERCOT Board approval – June 9, 2021</p> |
| ERCOT Impact | <p>There are no additional budget or system impacts beyond what was captured in Real-Time Co-Optimization (RTC) and NPRR1014, BESTF-4 Energy Storage Resource Single Model.</p> |
| Business Case Highlights | <p>This NPRR clarifies that ESRs are allowed to update their Real-Time telemetered HSL and/or MPC in order to ensure sufficient state of charge (stored energy) to meet Ancillary Service Obligations. Without the ability to modify Real-Time telemetered HSL and/or MPC for this purpose, an ESR cannot prevent dispatch and depletion of state of charge when prices rise to the SWCAP. Because the MOC for ESRs is currently set to the SWCAP, ESRs gain no financial benefit from the ability to modify their Real-Time HSL. This NPRR would remove the allowance for ESRs to modify Real-Time HSL at the earlier of RTC implementation or implementation of a different MOC than the SWCAP.</p> |



April/May TAC Highlights

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Summer Preparedness Workshop. On 5/3/21, TAC held a special workshop to discuss summer preparedness. ERCOT provided a presentation that covered summer expectations and readiness.

TAC Goals and Strategic Initiatives. On 4/28/21, TAC unanimously approved the 2021 TAC Goals and Strategic Initiatives.

2021 TAC Goals:

- Align TAC and Subcommittee Goals with the ERCOT Board of Director's strategic vision to work with ERCOT Staff to achieve the Board's vision for ERCOT.
- Maintain rules that support ERCOT system reliability, promote market solutions, and are consistent with PURA, PUC, and NERC Reliability Standards.
- Pursue clarifications to market rules and guides, which enhance the transparency of resource registration and requirements and clarify the entry process for new resources, with the explicit understanding that no changes will be made that discriminately affects the rights and obligations of resources currently participating in the wholesale and ancillary services markets.
- Improve the monitoring of resource adequacy by ensuring that studies and reports provide a representative view of evolving risks to resource adequacy as a fundamental element of system reliability and resiliency. Recommend market improvements to support resource adequacy.



April/May TAC Highlights

2021 TAC Goals (continued):

- Collaborate with ERCOT Staff on current trends in fuel prices and installed resource costs through market changes.
- Develop and implement needed market design corrections and improvements, which are cost effective and compatible with the Passport project.
- Pursue policies and market rules that encourage the appropriate implementation of load participation.
- Pursue policies and market rules that encourage the appropriate implementation of emerging technologies.
- Implement Retail Market improvements and requirements.
- Facilitate market improvements necessary to leverage the capabilities of Advanced Metering Systems (AMS) in the retail market and improve the integrity and availability of AMS data to Market Participants.
- Improve settlement processes to facilitate changes in the ERCOT market design.
- Collaborate with ERCOT Staff on the review of ancillary service needs and implement changes as necessary.
- Maintain market rules that support open access to the ERCOT markets and transmission network.
- Work with ERCOT Staff to develop Protocols and market improvements that support increased data transparency and data availability to the market.
- Work with ERCOT Staff to ensure appropriate credit and collateral rules exist or are created to facilitate market participation. Review available means to eliminate or substantially mitigate default uplift.



April/May TAC Highlights

2021 TAC Goals (continued):

- Develop a Passport Implementation Working Group or Task Force to address supporting details and market participant needs related to Passport development and implementation (Real-Time Co-optimization, ECRS, BES Single Model, DGR, and EMS upgrade). Assign identified Passport policy and analysis items to the appropriate Subcommittee.
- Develop, maintain, and facilitate changes and prioritization to the Emergency Conditions Issues List. Work with ERCOT, Stakeholders, Subcommittees and Working Groups to ensure that the items on the Emergency Conditions Issues List are addressed in a timely manner and that recommendations and Revision Requests that arise from those discussions are developed and provided to the Board.

2021 TAC Strategic Initiatives:

- Load participation in price formation – WMS/RMS
- Switchable Generation – WMS
- Distributed Energy Resources – RMS/ROS/WMS
- Passport Implementation – TAC
- DC Tie considerations – ROS/WMS
- Review of Planning Processes – ROS
- Process for integrating or transitioning Load in ERCOT – RMS/WMS
- Improve utilization of the stakeholder process – PRS
- Good Cause Exception Rules – RMS/ROS/WMS



April/May TAC Highlights

Subcommittee Goals. On 4/28/21 and 5/26/21, TAC unanimously voted to approve the 2021 Subcommittee Goals for PRS, ROS and RMS.

Notice of Guide Revisions Approved by TAC

OBDRR029, Revisions to Demand Response Data Definitions and Technical Specifications. This Other Binding Document Revision Request (OBDRR) incorporates minor edits to the Other Binding Document, Demand Response Data Definitions and Technical Specifications. The changes include modifications to the Excel templates of Appendix B, NOIE Submission File Template, and Appendix C, REP Event File Template, to improve ease of use and to clarify that numbers of Electric Service Identifiers (ESI IDs) are to be provided as opposed to lists of ESI IDs. Changes also include combining the Other Binding Document's error descriptions and suggested fixes into a single table, accompanied by additional clarity.