



Item 6: TAC Report

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2016 TAC Chair

Board of Directors Meeting

ERCOT Public
August 9, 2016

Summary of TAC Update

Revision Requests Recommended for Approval by TAC – Unopposed (Vote):

- NPRR747, Revision of Voltage Control Requirements
- NPRR767, Commitment by RUC for Long Lead Time Resource
- NPRR770, Addition of Outaged Resource Capacity to the Ancillary Services Capacity Monitor
- NPRR771, Clarifications to New ESI ID Creation Process
- NPRR774, Remove Duplicate Language to Calculate Seasonal Transmission Loss Factors
- PGRR046, Addition of Geomagnetically Induced Current (GIC) Model Building Requirements
- RRGR009, Adding Voltage Limit Sets, Relay Loadability, MLSE, and GMD Data
- SCR789, Update NMMS Topology Processor to PSSE 34 Capability

Revision Requests Recommended for Approval by TAC – With Opposing Votes (Vote):

- NPRR696, Price Correction Process Following a SCED Failure
- NPRR738, ERS Performance Calculations During TDSP Outages

Summary of TAC Update

July TAC Highlights

- TAC did not meet in June due to a light agenda and instead email voted time sensitive Revision Requests
- July 7, 2016 EMS Event
- Appeal of NPRR784, Mitigated Offer Caps for RMR Units

Update on 2016 TAC Goals

Guide Revisions Approved by TAC

- NOGRR155, Voltage Ride-Through Requirements Clarification
- NOGRR156, Alignment with NPRR762, Removal of Language Related to Responsive Reserve Provided by DC Ties
- RMGRR138, Revision to Oncor's Requirement for REPs to Send Prepay ESI ID Lists

Revision Requests with Opposing Votes (Vote)

NPRR696, Price Correction Process Following a SCED Failure

Purpose (Reliant Energy)	This NPRR establishes a price correction policy which uses the last good price for the intervals covering the first 15 minutes following a Security-Constrained Economic Dispatch (SCED) failure.
TAC Vote	On 7/28/16, TAC voted via roll call vote to recommend approval of NPRR696 as recommended by PRS in the 7/14/16 PRS Report. There were seven opposing votes from the Consumer (5) and Independent Power Marketer (IPM) (2) Market Segments; and four abstentions from the Independent Retail Electric Provider (IREP) (1) and Investor Owned Utility (IOU) (3) Market Segments.
ERCOT Opinion	ERCOT supports approval of NPRR696 because it provides a 15-minute stabilization period after any SCED failure so as to minimize the impact of manual actions when stabilizing the system following a SCED failure.
Effective Date/Priority	September 1, 2016.
ERCOT Impact	ERCOT business processes and grid operations and practices will be updated.
Business Case Highlights	This NPRR improves price transparency following SCED failures, removes potential for inaccurate prices resulting from influence of manual actions when stabilizing the system following a SCED failure; and improves price transparency following SCED failures.

NPRR738, ERS Performance Calculations During TDSP Outages

Purpose (MP2 Energy)	This NPRR excludes intervals from performance calculations for which an Emergency Response Service (ERS) Generator is unable to meet its obligations due to Transmission and/or Distribution Service Provider (TDSP) Outages.
TAC Vote	On 7/28/16, TAC voted to recommend approval of NPRR738 as recommended by PRS in the 6/16/16 PRS Report. There was one opposing vote from the IPM Market Segment.
ERCOT Opinion	ERCOT supports NPRR738 as it is a reasonable approach to handling compliance for ERS Resources impacted during TDSP events.
Effective Date/Priority	Upon system implementation.
ERCOT Impact	Less than \$10k (O&M); impacts to ERS System; ERCOT business processes will be updated.
Business Case Highlights	This NPRR eliminates the risk of non-compliance associated with TDSP Outages negatively impacting ERS Generator performance during tests or events, for Qualified Scheduling Entities (QSEs) representing ERS Generators. Failure to meet ERS obligations may result in reduced ERS payments as well as a Public Utility Commission of Texas (PUCT) notice of violation with corresponding financial penalties (\$25,000 per day/per event).

July TAC Highlights

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July 7, 2016 EMS Event

At the July 28, 2016 TAC meeting, ERCOT Staff provided an overview of the July 7th EMS event including lessons learned and an update on Settlement impacts. Stakeholders discussed issues around the communication of the EMS event including timing and level of detail of the Market Notices. TAC assigned the Wholesale Market Subcommittee (WMS) to examine the issues and provide recommendations as to how the communication process can be improved.

July TAC Highlights

Appeal of NPRR784, Mitigated Offer Caps for RMR Units

On 7/14/16, the PRS motion to recommend approval of NPRR784 as revised by PRS failed via roll-call vote. There were 10 opposing votes from the Consumer (3), Cooperative (5), Independent Retail Electric Provider (IREP) (1), and Investor Owned Utility (IOU) (1), Market Segments, and three abstentions from the IREP, IOU, and Municipal Market Segments. Due to lack of a subsequent passing vote, NPRR649 was deemed rejected by PRS pursuant to Section 21.4.4, Protocol Revision Subcommittee Review and Action.

On 7/21/16, NRG filed an appeal of the PRS decision to TAC.

On 7/28/16, the TAC motion to grant the NRG appeal of NPRR784 failed by roll-call vote. There were 12 opposing votes from the Consumer (6), Cooperative (4), IREP (1) and IOU (1) Market Segments, and four abstentions from the IOU (3) and Municipal (1) Market Segments. Due to lack of a subsequent passing vote, NPRR748 was deemed rejected by TAC pursuant to Section 21.4.8, Technical Advisory Committee Vote.

Update on 2016 TAC Goals

2016 TAC Goals

1. Align TAC and Subcommittee Goals with the ERCOT Board of Directors' strategic vision to work with ERCOT Staff to achieve the Board's vision for ERCOT.
2. Maintain rules that support ERCOT system reliability, promote market solutions, and are consistent with PURA, PUC, and NERC Reliability Standards.
3. Monitor resource adequacy and make improvements as necessary.
4. Collaborate with ERCOT Staff on current trends in fuel prices and installed resource costs through market changes.
5. Develop and implement needed market design corrections and improvements which are cost effective.
6. Pursue the appropriate implementation of load participation.
7. Pursue the appropriate implementation of emerging technologies.
8. Implement Retail Market improvements and requirements.
9. 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.
10. Improve settlement processes to facilitate changes in the ERCOT market design.
11. Collaborate with ERCOT Staff on the review of ancillary service needs and implement changes as necessary.
12. Maintain market rules that support open access to the ERCOT markets and transmission network.
13. Work with ERCOT Staff to develop Protocols and market improvements that support increased data transparency and data availability to the market.
14. Work with ERCOT Staff to ensure appropriate credit and collateral rules exist or are created to facilitate market changes.



Alignment of TAC Goals and Approved Revision Requests with ERCOT Strategic Pillars

Request Type	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5	Goal 6	Goal 7	Goal 8	Goal 9	Goal 10	Goal 11	Goal 12	Goal 13	Goal 14
NOGRR		3			1									
NPRR		5	1		10			1		1			5	2
RMGRR								1						
SCR					1								2	
LPGRR														
VCMRR				2										
COPMGRR													1	
Grand Total		8	1	2	12			2		1			8	2

Revision Requests approved to date and alignment with ERCOT Strategic Pillars:

- Committee Strategic Alignment – 0%
- **Operational Reliability** – 25%
- **Flexible Market Design** – 53%
- **Data Transparency and Access** – 22%



Notice of Guide Revisions Approved by TAC

NOGRR155, Voltage Ride-Through Requirements Clarification

This Nodal Operating Guide Revision Request (NOGRR) clarifies Voltage Ride-Through (VRT) performance requirements for all Generation Resources immediately following a fault. This NOGRR stipulates that, in addition to remaining On-Line and connected to the transmission system following a fault, Generation Resources must also maintain real power.

NOGRR156, Alignment with NPRR762, Removal of Language Related to Responsive Reserve Provided by DC Ties

This NOGRR removes references to the provision of Responsive Reserve (RRS) across the Direct Current Ties (DC Ties).

RMGRR138, Revision to Oncor's Requirement for REPs to Send Prepay ESI ID Lists

This Retail Market Guide Revision Request (RMGRR) removes the requirement for Retail Electric Providers (REPs) serving prepay Customers to provide a weekly list of prepay Electric Service Identifiers (ESI IDs) to Oncor and replaces it with a requirement to provide the prepay ESI ID list upon request by Oncor.