



2006 TAC Subcommittee Review

ERCOT Board

February 21, 2006

Technical Advisory Committee (TAC)

Functions of TAC (ERCOT Bylaws Section 5.2)

TAC shall:

- a. Through its subcommittees make such studies & plans as it deems appropriate to accomplish the purposes of ERCOT, the duties of its subcommittees and policies of the Board,
- b. Report the results of such studies & plans to the Board as required by the Board,
- c. Review & coordinate the activities & reports of its subcommittees,
- d. Make such recommendations to the Board as it deems appropriate or as required by the Board,
- e. Perform such other duties as directed by the Board, and
- f. Make recommendations regarding ERCOT expenditures and projects.

Technical Advisory Committee (TAC)

- **TAC, comprised of stakeholders, makes recommendations to the Board and is assisted by five subcommittees:**
 - Commercial Operations Subcommittee (COPS)
 - Protocol Revisions Subcommittee (PRS)
 - Reliability and Operations Subcommittee (ROS)
 - Retail Market Subcommittee (RMS)
 - Wholesale Market Subcommittee (WMS)
- **Consumers are represented on all committees.**
- **Numerous task forces and working groups reporting to these major subcommittees also meet regularly.**

- **Responsibilities:**

- Addresses the processes through which ERCOT market data is translated into financial settlements.
- Helps improve commercial operations by integrating the retail variance and wholesale market settlements processes, including dispute resolution.
 - Commercial operations include the application of load profiles, data aggregation, data extract variances; transmission congestion rights settlements; qualified scheduling entity settlements; invoicing; and dispute resolution.
- Addresses the settlements calendar; settlement-related performance metrics and tracking; market participant data needs for shadow settlements; and the market's overall needs for data extracts, delivery and presentation.

Commercial Operations Subcommittee (COPS)

- **2006 Goals:**
 - Data Extracts Working Group working with two System Change Requests (SCRs) which will be implemented in the coming months for coordination and transparency (SCR738 Enhancements to FasTrak Tools and SCR740 Enhancements to SCR727 Extracts).
 - Load Research Study being done in Profiling Working Group – changes could have settlement impacts so trying to provide more visibility to work of study.
 - Funding issues for data extracts.

Protocol Revisions Subcommittee (PRS)

- **Responsibilities:**

- Reviews and recommends action on formally submitted Protocol Revision Requests (PRRs) and System Change Requests (SCRs).
- Recommends to TAC assignments of Project Priority for each Guide Revision that requires a change to ERCOT's computer systems or staffing.

Protocol Revisions Subcommittee (PRS)

- **2006 Goals:**

- Provide clarity to administrative process for handling Nodal transitory period PRRs.
- Continued improvement to the project prioritization process.
 - Approach to Zonal PRRs during the transition period to Nodal.
 - Other approaches for desirable projects that remain unfunded because they cannot compete against projects that have high reliability value.
 - Review the manner in which projects that fall below the cut-line should be addressed and presented to TAC.

Reliability and Operations Subcommittee (ROS)

- **Responsibilities:**

- Develops, reviews and maintains operating guides and planning criteria.
- Reviews ERCOT reports and procedures related to the reliable operation of the ERCOT system in relation to system security and emergency operations, including:
 - planning assessment; blackout restoration procedures; coordination of protective relay settings; operational communication facilities; operating reserve obligations; emergency operations; abnormal system conditions; transmission interconnections to generation; coordination of outage schedules; and other activities.
- Reviews ERCOT Protocol revisions and performs Protocol-required reviews of ancillary service provisions and commercially significant constraints.

Reliability and Operations Subcommittee (ROS)

- **2006 Goals:**
 - Address frequency control issue (i.e. Schedule Control Error, governor response – expectation on how things will work).
 - Annual engineering work .
 - Fuel and winter issue review.

- **Responsibilities:**

- Provides a forum for issue resolution in regards to retail market matters directly affecting ERCOT and ERCOT Protocols.
- Monitors Public Utility Commission (PUCT) rulings as they would apply to retail markets and retail Market Participants and ensure that PUCT requirements are reflected in the Retail Market Guides, protocols and Texas Standard Electronic Transaction (Texas SET).
- Defines processes for changes to retail transactions, profiling, and competitive metering.

Retail Market Subcommittee (RMS)

- **2006 Goals:**
 - Complete work to shorten timeframe for moving ESI IDs in mass transition scenarios. Keep abreast and instep with current POLR rulemaking.
 - Review of retail systems:
 - Follow work/monitoring from SCR745 Retail Market Outage Evaluation and Resolution.
 - Analyze any single points of failure in retail systems with ERCOT and create appropriate changes if necessary.
 - FasTrak implementation: Coordination to cut-over of new system; Review what reporting can now be leveraged from new tool to see what market issues need to be addressed.
 - Terms & Conditions (T&Cs) Task Force creation (short-term/long-term changes to support any changes from new T&Cs).

Wholesale Market Subcommittee (WMS)

- **Responsibilities:**

- Helps ensure an efficient and nondiscriminatory wholesale market for all Market Participants.
- Reviews issues related to the operation of the wholesale market in the ERCOT region and makes recommendations for improvement.
- Monitors Public Utility Commission of Texas rulings as they apply to wholesale markets and Market Participants.
- Provides input into the methodology of Commercially Significant Constraints, changes to Ancillary Services (AS) and the evaluation of Resource adequacy in the ERCOT region.
- Monitors the AS market operations and management of Zonal and Local Congestion.

Wholesale Market Subcommittee (WMS)

- **2006 Goals:**
 - Frequency Task Force to complete analysis of how do you allocate regulation cost to Schedule Control Error violators and of governor response issue.
 - Demand side product for capacity for reserve margin calculations and for emergency situations.
 - Develop criteria for what constitutes a market event so WMS can review market events as ROS does.

Questions?