**AGENDA**

**ERCOT Reliability Operations Subcommittee (ROS) Meeting by Webex Only**

**Thursday, July 7, 2021 / 9:30 a.m.**

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 182 456 3513

Password: 3KBbp#

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|  | Validation for ROS Standing Representatives | Suzy Clifton | 9:15 a.m. |
| 1. | Antitrust Admonition | Chase Smith | 9:30 a.m. |
| 2. | Agenda Review | Chase Smith |  |
| 3. | **Approval of ROS Meeting Minutes (Vote)** | Chase Smith | 9:35 a.m. |
|  | * **June 3, 2021** |  |  |
| 4. | Technical Advisory Committee (TAC) Update | Chase Smith | 9:40 a.m. |
|  | * June 23, 2021 * June 30, 2021 |  |  |
| 5. | ERCOT Reports |  | 10:00 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | Ping Yan |  |
|  | * Generic Transmission Constraint (GTC) Update | Yunzhi Cheng |  |
|  | * TSAT Model Update | Mehdi Daryabak |  |
| 6. | **Southern Cross Transmission Directive #9, Determination regarding modifications to Ancillary Services Whitepaper (Vote)** | Nitika Mago | 10:35 a.m. |
| 7. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | Chase Smith | 10:50 a.m. |
|  | * **NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs** |  |  |
| 8. | **ROS Revision Requests (Vote)** | Chase Smith | 11:05 a.m. |
|  | ***Impact Analysis Review*** |  |  |
|  | * **PGRR091, FIS Application Completion 60-Day Limit** |  |  |
|  | ***Language Review*** |  |  |
|  | * **RRGRR030, Allow New Voltage Levels in Resource Registration Information** |  |  |
|  | * **RRGRR031, Related to NPRR995, RTF-6 Create Definition and Terms for Settlement Only Energy Storage** |  |  |
|  | * **PGRR093, Replace Inadvertent Deletions in Section 5** |  |  |
| 9. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith | 11:25 p.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | Break |  | 11:30 a.m. |
| 10. | Planning Working Group (PLWG) | Charles DeWitt | 11:40 a.m. |
|  | * PGRR090, Additional Flexibility for Updates to Seasonal Net Max Sustainable Rating (Possible Vote) |  |  |
|  | * NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification (Possible Vote) (OWG/PLWG) |  |  |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote) |  |  |
| 11. | Operations Working Group (OWG) | Rickey Floyd | 11:55 a.m. |
|  | * PGRR092, Related to NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs (OWG, PLWG) (Possible Vote) |  |  |
|  | * RRGRR029, Related to NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs (OWG, PLWG) (Possible Vote) |  |  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (Possible Vote) |  |  |
|  | * NOGRR223, Add Phasor Measurement Recording Equipment Requirement to Modified Generating Facilities in Interconnection Process (Possible Vote) |  |  |
|  | * NOGRR227, Add Phasor Measurement Recording Equipment Location for Main Power Transformer for Intermittent Renewable Resource (IRR) (Possible Vote) |  |  |
|  | * NOGRR226, Revision to 5% Transmission Operator (TO) Load Shedding Relay Point (DWG, OWG, PDCWG) (Possible Vote) |  |  |
| 12. | Dynamic Working Group (DWG) | Sam Jung | 12:25 p.m. |
| 13. | Performance Disturbance Compliance Working Group (PDCWG) | Chad Mulholland | 12:40 p.m. |
| 14. | Network Data Support Working Group (NDSWG) | J-M Yatar | 12:50 p.m. |
|  | * SCR813, NMMS Jointly-Rated Equipment Coordination Confirmation (Possible Vote) |  |  |
| 15. | **Combo Ballot (Vote)** | Chase Smith | 1:00 p.m. |
| 16. | Steady State Working Group (SSWG) | Chenyan Guo | 1:05 p.m. |
| 17. | Planning Geomagnetic Disturbance Task Force (PGDTF) | Chu Liang | 1:1 p.m. |
| 18. | Voltage Profile Working Group (VPWG) | Scot Williams | 1:25 p.m. |
| 19. | Operations Training Working Group (OTWG) | James Ballard | 1:35 p.m. |
| 20. | Other Business | Chase Smith | 1:45 p.m. |
|  | * Review Open Action Items List |  |  |
|  | * No Report: |  |  |
|  | * + Black Start Working Group (BSWG) |  |  |
|  | * + System Protection Working Group (SPWG) |  |  |
|  | Adjourn | Chase Smith | 1:50 p.m. |
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|  | Future ROS Meetings |  |  |
|  | * August 5, 2021 |  |  |
|  | * September 2, 2021 |  |  |

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| Open Action Items | Responsible | Assigned |
| Inverter-Based Resource Issue 3, Voltage Ride through | DWG | 07/11/2019 |
| ERCOT Nodal ICCP Communication Handbook – update to include review of what is binding and what is nonbinding, consider what is in reference material, OBD and Operating Guide, and then figure out repository  Update: effort restarted and being reviewed next few meetings | NDSWG | 04/01/2021 Update  05/02/2019  04/04/2019 |
| Evaluating and improving ERCOT’s Dynamic Frequency Response Model | PDCWG | 07/11/2019 |
| Review the total amount of RRS and PFR that can come from Energy Storage Resources (ESRs), and with ERCOT determine if there will be any limits applied to ESRs so that Stakeholders can identify restrictions applicable to developing projects | PDCWG | 11/05/2020 |
| ROS Assignments from 08/21/2020 Transmission for Generation Workshop:   * Joint Meeting with OWG/CMWG * ERCOT requested stakeholders provide ideas on non-discriminatory criteria that could be used to allow a limited number of RASs and avoid ERCOT’s identified concerns * Stakeholders requested ERCOT provide historic information on RAS mis-operations and failures to operate | OWG | 09/03/2020 |
| *Southern Cross Directives*  Directive 9, Ancillary Services   * Margin between min RRS Procurement & Contingency Reserve Requirements * Address issues related to NSRS and Regulation Service | ROS  PDCWG (OWG complete 1/7/21)  PDCWG | 01/07/2021  03/07/2019 |
| TAC Assignment: [Emergency Conditions List Review](http://www.ercot.com/committee/tac) | ROS | 03/24/2021 |
| TAC Assignment: Remaining KTCs from Battery Energy Storage Task Force (BESTF)   * KTC 15-3 Switchable Resources * KTC 15-4 Provisions Associated with Delayed Outages * KTC 15-5 Black Start Service * KTC 15-6 RMR and MRA Services * KTC 15-9 Governor Dead-band Telemetry as a Concept | ROS  OWG  OWG  BSWG  PLWG  PDCWG/DWG | 04/29/2021 |