**AGENDA**

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

**Thursday, March 4, 2021 / 9:30 a.m.**

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 142 916 1891

Password: SmX95#

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|  | Validation for ROS Standing Representatives | Suzy Clifton | 9:00 a.m. |
| 1. | Antitrust Admonition | Chase Smith | 9:30 a.m. |
| 2. | Agenda Review | Chase Smith |  |
| 3. | TAC Request: List of ROS Related Items from February 2021 Weather Event | Chase Smith | 9:35 a.m. |
| 4. | **Approval of ROS Meeting Minutes (Vote)** | Chase Smith | 10:35 a.m. |
|  | * **February 4, 2021** |  |  |
| 5. | ERCOT Reports |  | 10:40 a.m. |
|  | * Operations Report Questions only | ERCOT Staff |  |
|  | * System Planning Report Questions only | Ping Yan |  |
|  | * Generic Transmission Constraint (GTC) Update | ERCOT Staff |  |
|  | * RRGRR021 TSAT Update | Prabhu Gnanam |  |
| 6. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | Chase Smith | 11:10 a.m. |
|  | * **NPRR1063, Dynamic Rating Transparency** |  |  |
|  | * **NPRR1064, Identification of Chronic Congestion** |  |  |
| 7. | Revision Requests Tabled at PRS, Referred to ROS (Possible Vote) | Chase Smith | 11:30 a.m. |
|  | * NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols |  |  |
|  | * NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification (OWG/PLWG) |  |  |
| 8. | **ROS Revision Requests (Vote)** | Chase Smith | 11:35 a.m. |
|  | ***Impact Analysis Review*** |  |  |
|  | * **RRGRR028, Transformer Impedance Clarifications** |  |  |
|  | ***Language Review*** |  |  |
|  | * **NOGRR223, Add Phasor Measurement Recording Equipment Requirement to Modified Generating Facilities in Interconnection Process – Waive Notice** |  |  |
| 9. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith | 11:40 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions * PGRR088, Include Financial Security Amount in the Monthly Generator Interconnection Status Report |  |  |
|  | * NOGRR199, Related to NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols |  |  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (OWG) |  |  |
| 10. | Performance Disturbance Compliance Working Group (PDCWG) | Chad Mulholland | 11:50 a.m. |
|  | * OBDRR025, Clarification for the RRS Limit on Individual Non-Thermal Generation Resources (Possible Vote) |  |  |
| 11. | Steady State Working Group (SSWG) | Chenyan Guo | 12:00 p.m. |
|  | * **SSWG Procedure Manual (Vote)** |  |  |
| 12. | **Combo Ballot (Vote)** | Chase Smith | 12:10 p.m. |
| 13. | Dynamic Working Group (DWG) | Sam Jung | 12:15 p.m. |
| 14. | Other Business | Chase Smith | 12:25 p.m. |
|  | * Posted Reports for Working Groups |  |  |
|  | * + System Protection Working Group (SPWG) |  |  |
|  | * No Report: |  |  |
|  | * + Black Start Working Group (BSWG) |  |  |
|  | * + Dynamic Working Group (DWG) |  |  |
|  | * + Network Data Support Working Group (NDSWG) |  |  |
|  | * + Operations Working Group (OWG) |  |  |
|  | * + Operations Training Working Group (OTWG) |  |  |
|  | * + Planning Geomagnetic Disturbance Task Force (PGDTF) |  |  |
|  | * + Planning Working Group (PLWG) |  |  |
|  | * + Voltage Profile Working Group (VPWG) |  |  |
|  | Adjourn | Chase Smith | 12:30 p.m. |
|  | Future ROS Meetings |  |  |
|  | * April 1, 2021 |  |  |
|  | * April 29, 2021 |  |  |

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| Open Action Items | Responsible | Assigned |
| Inverter-Based Resource Issue 3, Voltage Ride through | DWG | 07/11/2019 |
| Inverter-Based Resource Issue 4, Dynamic Models | 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 | NDSWG | 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   * Issues related to study of frequency overshoot and LRs UFR setting * Margin between min RRS Procurement & Contingency Reserve Requirements   Address issues related to NSRS and Regulation Service | ROS  DWG  PDCWG (OWG complete 1/7/21)  PDCWG | 01/07/2021  03/07/2019 |
| TAC Assignment: Summer Assessment Items   * Non-Frequency Responsive Capacity (NFRC) versus Physical Responsive Capability (PRC) reserves when Gen RRS is released | PDCWG | 12/05/2019 |