**AGENDA**

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

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

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 182 575 6160

Password: uvRB5

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|  | Validation for ROS Standing Representatives | S. Clifton | 9:15 a.m. |
| 1. | Antitrust Admonition | C. Smith | 9:30 a.m. |
| 2. | Agenda Review | C. Smith |  |
| 3. | **Approval of ROS Meeting Minutes (Vote)** | C. Smith |  |
|  | * **January 7, 2021** |  |  |
| 4. | Technical Advisory Committee (TAC) Update | C. Smith | 9:40 a.m. |
| 5. | **2021 ROS Working Group/Task Force Leadership (Vote)** | C. Smith |  |
| 6. | 2021 ROS Goals (Possible Vote) | C. Smith | 9:45 a.m. |
| 7. | ERCOT Reports |  | 9:50 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | P. Yan |  |
|  | * Generic Transmission Constraint (GTC) Update | ERCOT Staff |  |
|  | * ERCOT GTC Exit Alternatives Overview | J. Schmall |  |
|  | * South Texas Stability Assessment Update | J. Schmall |  |
| 8. | Revision Requests Tabled at PRS, Referred to ROS (Possible Vote) | C. Smith | 10:40 a.m. |
|  | * NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols |  |  |
| 9. | **ROS Revision Requests (Vote)** | C. Smith | 10:45 a.m. |
|  | ***Impact Analysis Review*** |  |  |
|  | * **RRGRR028, Transformer Impedance Clarifications** |  |  |
|  | * **NOGRR219, Related to NPRR1045, Transmission Operator Definition and Designation** |  |  |
| 10. | Revision Requests Tabled at ROS (Possible Vote) | C. Smith | 10:55 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 |  |  |
| 11. | Operations Working Group (OWG) | OWG Leadership | 11:05 a.m. |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (Possible Vote) |  |  |
|  | * NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification (OWG/PLWG) (Possible Vote) |  |  |
| 12. | Planning Working Group (PLWG) | PLWG Leadership | 11:55 a.m. |
| 13. | Performance Disturbance Compliance Working Group (PDCWG) | PDCWG Leadership | 12:05 p.m. |
|  | * OBDRR025, Clarification for the RRS Limit on Individual Non-Thermal Generation Resources (Possible Vote) |  |  |
| 14. | Dynamic Working Group (DWG) | DWG Leadership | 12:30 p.m. |
|  | * **DWG Procedure Manual (Vote)** |  |  |
| 15. | **Combo Ballot (Vote)** | C. Smith | 12:40 p.m. |
| 16. | Black Start Working Group (BSWG) | BSWG Leadership | 12:45 p.m. |
| 17. | Planning Geomagnetic Disturbance Task Force (PGDTF) | PGDTF Leadership | 12:55 p.m. |
| 18. | Operations Training Working Group (OTWG) | OTWG Leadership | 1:05 p.m. |
| 19. | Other Business | C. Smith | 1:15 p.m. |
|  | * February 19, 2021 Unregistered Distributed Generation (DG) Workshop I | B. Blevins |  |
|  | * Review Open Action Items |  |  |
|  | * No Report: |  |  |
|  | * + Network Data Support Working Group (NDSWG) |  |  |
|  | * + Steady State Working Group (SSWG) |  |  |
|  | * + System Protection Working Group (SPWG) |  |  |
|  | * + Voltage Profile Working Group (VPWG) |  |  |
|  | Adjourn | C. Smith | 1:25 p.m. |
|  | Future ROS Meetings |  |  |
|  | * March 4, 2021 |  |  |
|  | * April 1, 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 |