**AGENDA**

**ERCOT Reliability Operations Subcommittee (ROS) Meeting – by WebEx Only**

**Thursday, November 5, 2020 / 9:30 a.m.**

[Webex Conference](https://ercot.webex.com/)



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|  | Log in and validation for ROS Standing Representatives | S. Clifton | 9:15 a.m. |
| 1. | Antitrust Admonition | K. Bunch | 9:30 a.m. |
| 2. | Agenda Review | K. Bunch |  |
| 3. | **Approval of ROS Meeting Minutes (Vote)** | K. Bunch | 9:35 a.m. |
|  | * **October 8, 2020** |  |  |
| 4. | Technical Advisory Committee (TAC) Update | K. Bunch | 9:40 a.m. |
| 5. | ERCOT Reports |  | 9:45 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | P. Yan |  |
|  | * Downstream Production Change (DPC) Review | B. Blevins/ D. Maggio |  |
|  | * **Proposed Changes to AS Methodology for 2021 (Vote)** | N. Mago |  |
|  | * Annual update on unannounced testing | N. Mago |  |
| 6. | **Southern Cross Directive #3 Ramp Rate Restrictions Whitepaper (Vote)** | N. Mago | 10:50 a.m. |
| 7. | RTCTF Update | M. Mereness | 11:10 a.m. |
| 8. | **Urgency Vote(s)** | K. Bunch | 11:15 a.m. |
|  | * **NOGRR211, RTC – NOG 2 and 9: System Operations and Control Requirements and Monitoring Programs (Vote)** |  |  |
| 9. | OBDRR025, Clarification for the RRS Limit on Individual Non-Thermal Generation Resources (Possible Vote) | K. Bunch | 11:20 a.m. |
| 10. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | K. Bunch | 11:30 a.m. |
|  | * **NPRR1044, Enhancement of SSR Mitigation Requirement** |  |  |
|  | * **NPRR1045, Transmission Operator Definition and Designation** |  |  |
| 11. | Revision Requests Tabled at PRS, Referred to ROS (Possible Vote) | K. Bunch | 12:00 p.m. |
|  | * NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols |  |  |
|  | * NPRR1040, Compliance Metrics for Ancillary Service Supply Responsibility |  |  |
| 12. | **ROS Revision Requests (Vote)** | K. Bunch | 12:15 p.m. |
|  | ***Impact Analyses*** |  |  |
|  | * **NOGRR220, Greybox Baseline Updates re NOGRR212** |  |  |
|  | * **PGRR081, Related to NPRR1026, BESTF-7 Self-Limiting Facilities and Self-Limiting Resources** |  |  |
|  | * **PGRR082, Revise Section 5 and Establish Small Generation Interconnection Process** |  |  |
|  | ***Language Review*** |  |  |
|  | * **PGRR088, Include Financial Security Amount in the Monthly Generator Interconnection Status Report** |  |  |
| 13. | Revision Requests Tabled at ROS (Possible Vote) | K. Bunch | 12:35 p.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * NOGRR199, Related to NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols |  |  |
| 14. | Performance Disturbance Compliance Working Group (PDCWG) | C. Mulholland | 12:45 p.m. |
|  | * NPRR1034, Frequency-Based Limits on DC Tie Imports or Exports (Possible Vote) |  |  |
| 15. | Operations Working Group (OWG) | R. Floyd | 1:00 p.m. |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (Possible Vote) |  |  |
|  | * NOGRR219, Related to NPRR1045, Transmission Operator Definition and Designation (Possible Vote) |  |  |
| 16. | Planning Working Group (PLWG) | T. Cook | 1:20 p.m. |
|  | * PGRR085, Dynamic Model Improvements (Possible Vote) (PLWG)(DWG) |  |  |
|  | * RRGRR027, Clarify Models Required to Proceed with an FIS (Possible Vote) |  |  |
|  | * PGRR086, Related to RRGRR027, Clarify Models Required to Proceed with an FIS (Possible Vote) |  |  |
|  | * PGRR087, Remedial Action Scheme Planning Assumptions (Possible Vote) |  |  |
| 17. | Planning Geomagnetic Disturbance Task Force (PGDTF) | A. Kandah | 1:40 p.m. |
|  | * **PGDTF Scope (Vote)** |  |  |
| 18. | **Combo Ballot (Vote)** | K. Bunch | 1:55 p.m. |
| 19. | Network Data Support Working Group (NDSWG) | J. Yatar | 2:00 p.m. |
| 20. | Voltage Profile Working Group (VPWG) | B. Mathew | 2:10 p.m. |
| 21. | Other Business | K. Bunch | 2:20 p.m. |
|  | * 2021 ERCOT Membership/Segment Representative Elections | S. Clifton |  |
|  | * Review Open Action Items |  |  |
|  | * No Report: |  |  |
|  | * + Black Start Working Group (BSWG) |  |  |
|  | * + Dynamic Working Group (DWG) |  |  |
|  | * + Operations Training Working Group (OTWG) |  |  |
|  | * + System Protection Working Group (SPWG)   + Steady State Working Group (SSWG) |  |  |
|  | Adjourn | K. Bunch | 2:30 p.m. |
|  | Future ROS Meetings |  |  |
|  | * December 3, 2020 |  |  |
|  | * January 7, 2021 |  |  |

| 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 |
| TAC Assignment: Reliability considerations regarding Outage Activity Related to Operating Condition Notice (OCN) | OWG review Operating Guides to confirm consistent after WMS/WMWG review the issues | 07/11/2019 |
| Evaluating and improving ERCOT’s Dynamic Frequency Response Model | PDCWG | 07/11/2019 |
| Develop Methodology for ESR and below studies as requested by Battery Energy Storage Task Force (BESTF)   * Outage Coordination Studies – OWG * Operational Studies – PLWG/OWG   Transmission Planning Studies – PLWG/OWG | OWG/PLWG | 03/05/2020 |
| 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*  SCT Directive 3: Determination of Ramp Rate Restrictions  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  PDCWG  DWG  OWG/PDCWG  PDCWG | 03/07/2019 |
| TAC Assignment: Summer Assessment Items   * Emergency Response Service (ERS)   3/5/2020 ROS Information Session OWG reported TAC/ROS/OWG assignment completed – Pending is ROS Leadership need to report to TAC at next in person meeting then remove   * Process for Summer demand response study (RMS,WMS then ROS) * Non-Frequency Responsive Capacity (NFRC) versus Physical Responsive Capability (PRC) reserves when Gen RRS is released | ROS  ROS  PDCWG | 12/05/2019 |