**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**
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|  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)**
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|  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**
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|  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
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|  | * NPRR1040, Compliance Metrics for Ancillary Service Supply Responsibility
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|  12. | **ROS Revision Requests (Vote)**  | K. Bunch  | 12:15 p.m.  |
|  | ***Impact Analyses*** |  |  |
|  | * **NOGRR220, Greybox Baseline Updates re NOGRR212**
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|  | * **PGRR081, Related to NPRR1026, BESTF-7 Self-Limiting Facilities and Self-Limiting Resources**
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|  | * **PGRR082, Revise Section 5 and Establish Small Generation Interconnection Process**
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|  | ***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
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|  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)
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|  15. | Operations Working Group (OWG) | R. Floyd |  1:00 p.m. |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (Possible Vote)
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|  | * NOGRR219, Related to NPRR1045, Transmission Operator Definition and Designation (Possible Vote)
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|  16. | Planning Working Group (PLWG)  | T. Cook |  1:20 p.m. |
|  | * PGRR085, Dynamic Model Improvements (Possible Vote) (PLWG)(DWG)
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|  | * RRGRR027, Clarify Models Required to Proceed with an FIS (Possible Vote)
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|  | * PGRR086, Related to RRGRR027, Clarify Models Required to Proceed with an FIS (Possible Vote)
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|  | * PGRR087, Remedial Action Scheme Planning Assumptions (Possible Vote)
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|  17. | Planning Geomagnetic Disturbance Task Force (PGDTF) | A. Kandah |  1:40 p.m. |
|  | * **PGDTF Scope (Vote)**
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|  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
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|  | * No Report:
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|  | * + Black Start Working Group (BSWG)
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|  | * + Dynamic Working Group (DWG)
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|  | * + Operations Training Working Group (OTWG)
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|  | * + System Protection Working Group (SPWG)
	+ Steady State Working Group (SSWG)
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|  | Adjourn | K. Bunch  |  2:30 p.m.  |
|  | Future ROS Meetings |  |  |
|  | * December 3, 2020
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|  | * January 7, 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 | 05/02/201904/04/2019 |
| 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 RestrictionsDirective 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 PDCWGDWGOWG/PDCWGPDCWG | 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
 | ROSROS PDCWG | 12/05/2019  |