**AGENDA**

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

**Thursday, April 1, 2021 / 9:30 a.m.**

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 182 095 4942

Password: JsM34#

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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.  |
|  | * **March 4, 2021**
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|  4. | Technical Advisory Committee (TAC) Update | Chase Smith |  9:40 a.m.  |
|  | * Emergency Conditions Issues List
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|  5. | ERCOT Reports |  |  9:55 a.m. |
|  | * Operations Report
 | ERCOT Staff |  |
|  | * System Planning Report
 | Ping Yan |   |
|  6. | Reliability Standard CIP-012 Update | Christine Hasha |  10:05 a.m.  |
|  7. | M-A031821-01 Application for Critical Load Serving Electric Generation and Cogeneration |  |  10:35 a.m. |
|  8. | Revision Requests Tabled at PRS, Referred to ROS (Possible Vote) | Chase Smith |  10:50 a.m.  |
|  | * NPRR1063, Dynamic Rating Transparency
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|  9.  | System Protection Working Group (SPWG) | Vincent Roberts |  11:05 a.m.  |
|  10. | **ROS Revision Requests (Vote)**  | Chase Smith |  11:15 a.m.  |
|  | ***Impact Analysis Review*** |  |  |
|  | * **RRGRR028, Transformer Impedance Clarifications**
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|  | * **NOGRR199, Related to NPRR979, Incorporate State Estimator Standards and Telemetry Standards into Protocols**
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|  | ***Language Review*** |  |  |
|  | * **PGRR089, Planning Data and Information Updates for Planning Posting**
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|  11. | 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
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|  12. | Planning Working Group (PLWG) | Charles DeWitt |  11:50 a.m.  |
|  | * NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification (Possible Vote) (OWG/PLWG)
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|  13. | Operations Working Group (OWG)  | Rickey Floyd |  12:00 p.m.  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (Possible Vote)
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|  | * NOGRR223, Add Phasor Measurement Recording Equipment Requirement to Modified Generating Facilities in Interconnection Process (Possible Vote)
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|  | * NPRR1064, Identification of Chronic Congestion (Possible Vote) (OWG/NDSWG)
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|  14. | Network Data Support Working Group (NDSWG) | J-M Yatar |  12:10 p.m.  |
|  15. | **Combo Ballot (Vote)** | Chase Smith |  12:20 p.m.  |
|  16. | Performance Disturbance Compliance Working Group (PDCWG)  | Chad Mulholland |  12:25 p.m. |
|  17. | Dynamic Working Group (DWG)  | Sam Jung  |  12:35 p.m. |
|  18. | Planning Geomagnetic Disturbance Task Force (PGDTF) | Chu Liang |  12:45 p.m. |
|  19. | Operations Training Working Group (OTWG) | James Ballard |  12:55 p.m. |
|  20. | Steady State Working Group (SSWG) | Chenyan Guo |  1:05 p.m.  |
|  21. | Voltage Profile Working Group (VPWG) | Scot Williams |  1:15 p.m.  |
|  22. | Notice of Withdrawal | Chase Smith |  1:25 p.m. |
|  | * OBDRR025, Clarification for the RRS Limit on Individual Non-Thermal Generation Resources.
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|  23. | Other Business | Chase Smith |  1:30 p.m.  |
|  | * Review Open Action Items List
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|  | * No Report:
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|  | * + Black Start Working Group (BSWG)
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|  | Adjourn | Chase Smith |  1:40 p.m.  |
|  | Future ROS Meetings |  |  |
|  | * April 29, 2021
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|  | * June 3, 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 |
| 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 DWGPDCWG (OWG complete 1/7/21)PDCWG | 01/07/202103/07/2019 |
| 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  |