**AGENDA**

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

Thursday, May 4, 2023 / 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2554 305 7110

Password: #nyUz263

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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 (Possible Vote) | Chase Smith |  |
|  | * April 6, 2023 |  |  |
| 4. | Technical Advisory Committee (TAC) Update | Chase Smith | 9:35 a.m. |
| 5. | ERCOT Reports |  | 9:40 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | Ping Yan |  |
|  | * Transient Security Assessment Tool (TSAT) Model Update | Yunzhi Cheng |  |
|  | * Generic Transmission Constraint (GTC) Update | Yunzhi Cheng |  |
| 5.5 | Urgency Vote(s) (Waive Notice – Possible Vote) | Chase Smith |  |
|  | * NOGRR253, Related to NPRR1178, Expectations for Resources Providing ERCOT Contingency Reserve Service |  |  |
| 6. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | Chase Smith | 9:55 a.m. |
|  | * **NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding** |  |  |
| 7. | **ROS Revision Requests (Vote)** | Chase Smith | 10:10 a.m. |
|  | ***Language Review*** |  |  |
|  | * **RRGRR035, Related to NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding** |  |  |
|  | * **NOGRR250, Related to NPRR1171, Requirements for DGRs and DESRs on Circuits Subject to Load Shedding** |  |  |
|  | * **NOGRR251, Add Cold Weather Conditions to Template for Emergency Operations Plan** |  |  |
|  | * **PGRR105, Deliverability Criteria for DC Tie Imports** |  |  |
|  | * **PGRR106, Clarify Projects Included in Transmission Project Information and Tracking (TPIT) Report** |  |  |
|  | ***Impact Analysis*** |  |  |
|  | * **NOGRR215, Limit Use of Remedial Action Schemes** |  |  |
|  | * **PGRR103, Establish Time Limit for Generator Commissioning Following Approval to Synchronize** |  |  |
| 8. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith | 10:45 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * NOGRR230, WAN Participant Security |  |  |
|  | * NPRR1150, Related to NOGRR230, WAN Participant Security |  |  |
|  | Break |  | 10:45 a.m. |
| 9. | Operations Working Group (OWG) | Rickey Floyd | 10:55 a.m. |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote) |  |  |
|  | * NOGRR245, Inverter-Based Resource (IBR) Ride-Through Requirements (OWG, DWG, IBRTF) (Possible Vote) |  |  |
|  | * NOGRR247, Change UFLS Stages and Load Relief Amounts (OWG, DWG, PDCWG, SPWG) (Possible Vote) |  |  |
|  | * NOGRR249, Communication of System Operating Limit Exceedances (Possible Vote) (OWG) |  |  |
| 10. | Inverter Based Resources Task Force (IBRTF) | Mohammad Albaijat | 11:25 a.m. |
| 11. | Dynamics Working Group (DWG) | Javier Martinez | 11:35 a.m. |
|  | * **DWG Procedure Manual (Vote)** |  |  |
| 12. | Performance Disturbance Compliance Working Group (PDCWG) | Jimmy Jackson | 11:45 a.m. |
| 13. | System Protection Working Group (SPWG) | Jon Snellgrove | 11:55 a.m. |
| 14. | Network Data Support Working Group (NDSWG) | Aniruddha Khedlekar | 12:05 p.m. |
|  | * NPRR1164, Black Start and Isochronous Control Capable Identification (Possible Vote) (NDSWG) (SPWG) |  |  |
|  | * RRGRR033, Related to NPRR1164, Black Start and Isochronous Control Capable Identification (Possible Vote) (NDSWG) (SPWG) |  |  |
| 15. | **Combo ballot (Vote)** | Chase Smith | 12:25 p.m. |
| 16. | Steady State Working Group (SSWG) | Joshua Wichers | 12:30 p.m. |
| 17. | Other Business | Chase Smith | 12:40 p.m. |
|  | * April 6, 2023 RRS-PFR Limits Study Workshop Update | Nitika Mago |  |
|  | * Review Open Action Items List |  |  |
|  | * No Report |  |  |
|  | * Black Start Working Group (BSWG) |  |  |
|  | * Operations Training Working Group (OTWG) |  |  |
|  | * Planning Working Group (PLWG) |  |  |
|  | * Voltage Profile Working Group (VPWG) |  |  |
|  | Adjourn | Chase Smith | 12:50 p.m. |
|  | Future ROS Meetings |  |  |
|  | * June 8, 2023 |  |  |
|  | * July 6, 2023 – Webex Only |  |  |

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| Open Action Items | Responsible | Assigned |
| Inverter-Based Resource Issue 3, Voltage Ride through | 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  Update: effort restarted and being reviewed next few meetings | NDSWG | 04/01/2021 Update  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 |
| Summer Assessment Item: Non-Frequency Responsive Capacity (NFRC) versus Physical Responsive Capability (PRC) reserves when Gen RRS is released | PDCWG | 01/06/2022 |
| ~~Review potential reliability benefits associated with DC Ties and assess if planning criteria changes are needed to realize those benefits. Assignment includes consideration of 1/27/22 PUCT Open meeting discussion relating to the potential addition of interconnection and planning issues associated with DC Ties and lines to an upcoming PUCT rulemaking to implement Senate bill 1281.~~ | ROS – completed item  ~~PLWG~~ | 04/06/2023  ~~02/07/2022~~ |
| 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 |
| TAC Assignment: Remaining KTCs from Battery Energy Storage Task Force (BESTF)   * KTC 15-5 Black Start Service * KTC 15-6 RMR and MRA Services * KTC 15-9 Governor Dead-band Telemetry as a Concept | ROS  BSWG  PLWG  PDCWG/DWG | 04/29/2021 |
| TAC Assignment: CSAPR NOx Season Allowance Issues | ROS/WMS | 01/05/2023 |
| TAC Assignment: Calculating Loads/Load Shedding in Real-Time (related to NOGRR243). Awaiting TOs to meet and PUCT rulemaking – for concepts to be brought forward for ROS review. | ROS | 01/05/2023 |