**AGENDA**

**ERCOT Reliability Operations Subcommittee (ROS) Meeting**

ERCOT Austin / 8000 Metropolis Drive (Building E), Suite 100 / Austin, Texas 78744

Wednesday, August 10, 2022 / 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2557 366 0159

Password: m73bJ#

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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 |  |
|  | * **June 2, 2022** |  |  |
| 4. | Technical Advisory Committee (TAC) Update | Chase Smith |  |
| 5. | ERCOT Reports |  | 9:40 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | Ping Yan |  |
|  | * Generic Transmission Constraint (GTC) Update | Yunzhi Cheng |  |
|  | * Transient Security Assessment Tool (TSAT) Model Update | ERCOT Staff |  |
| 6. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | Chase Smith | 10:00 a.m. |
|  | * **NPRR1138, Communication of Capability and Status of Online IRRs at 0 MW Output** |  |  |
| 7. | **ROS Revision Requests (Vote)** | Chase Smith | 10:15 a.m. |
|  | ***Impact Analysis Review*** |  |  |
|  | * **NOGRR242, Update POIB References** |  |  |
| 8. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith | 10:30 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * NOGRR230, WAN Participant Security |  |  |
|  | * NOGRR241, Related to NPRR1127, Clarification of ERCOT Hotline Uses |  |  |
|  | Break |  | 10:40 a.m. |
| 9. | Operations Working Group (OWG) | Shawn McCreary | 10:50 a.m. |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote) |  |  |
|  | * NPRR1084, Improvements to Reporting of Resource Outages and Derates (OWG) (Possible Vote) |  |  |
|  | * NPRR1118, Clarifications to the OSA Process (OWG) (Possible Vote) |  |  |
|  | * NPRR1132, Communicate Operating Limitations during Cold and Hot Weather Conditions (OWG) (Possible Vote) |  |  |
|  | * RRGRR032, Related to NPRR1132, Communicate Operating Limitations during Cold and Hot Weather Conditions (OWG) |  |  |
|  | * SCR821, Voltage Set Point Target Information for Distribution Generation Resource (DGR) or Distribution Energy Storage Resource (DESR) (OWG, NDSWG) (Possible Vote) |  |  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (OWG) (Possible Vote) |  |  |
|  | * NOGRR226, Revision to 5% Transmission Operator (TO) Load Shedding Relay Point (DWG, OWG, PDCWG) (Possible Vote) |  |  |
| 10. | Network Data Support Working Group (NDSWG) | Kenesha King | 11:20 a.m. |
| 11. | Dynamics Working Group (DWG) | Zhenhua Wang | 11:30 a.m. |
| 12. | Performance Disturbance Compliance Working Group (PDCWG) | Jimmy Jackson | 11:40 a.m. |
|  | * NPRR1128, Allow FFR Procurement up to FFR Limit Without Proration (Possible Vote) |  |  |
| 13. | Planning Geomagnetic Disturbance Task Force (PGDTF) | Jorge Canamar | 11:50 a.m. |
|  | * **GIC System Model Procedure Manual Update (Vote)** |  |  |
|  | * **Methodology for Assessing GMD Impacts on ERCOT Power Systems (Vote)** |  |  |
|  | * **Disband PGDTF (Vote)** |  |  |
| 14. | **Steady State Working Group (SSWG)** | Ross Cloninger | 12:15 p.m. |
|  | * **SSWG Procedure Manual (Vote)** |  |  |
| 15. | **Combo Ballot (Vote)** | Chase Smith | 12:30 p.m. |
| 16. | Inverter Based Resources Task Force (IBRTF) | Stephen Solis | 12:35 p.m. |
| 17. | System Protection Working Group (SPWG) | Jon Snellgrove | 12:45 p.m. |
| 18. | Operations Training Working Group (OTWG) | James Ballard | 1:00 p.m. |
| 19. | Other Business | Chase Smith | 1:10 p.m. |
|  | * Annual TAC Subcommittee Structural Review |  |  |
|  | * 2023 Meeting Schedule |  |  |
|  | * Reschedule Dates for October and November ROS meeting |  |  |
|  | * Review Open Action Items List |  |  |
|  | * No Report |  |  |
|  | * Black Start Working Group (BSWG) |  |  |
|  | * Planning Working Group (PLWG) |  |  |
|  | * Voltage Profile Working Group (VPWG) |  |  |
|  | Adjourn | Chase Smith | 1:25 p.m. |
|  | Future ROS Meetings |  |  |
|  | * September 1, 2022 |  |  |
|  | * October 6, 2022 |  |  |

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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 |
| PGDTF transition the modeling, maintenance of data, and studies of Geomagnetic Disturbance (GMD) events to PLWG and SSWG, specifically assist in developing updated scope to include Geomagnetic Disturbance Vulnerability Assessment (GMDVA) planning, study processes and future study results to PLWG and SSWG, and modeling responsibilities to ERCOT and PLWG. | PGDTF/SSWG/PLWG | 02/07/2022 |
| 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. | PLWG | 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 |