**AGENDA**

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

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

Thursday, September 1, 2022 / 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2559 330 9113

Password: ueM#43

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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 |  |
|  | * **August 10, 2022** |  |  |
| 4. | ERCOT Reports |  | 9:40 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | Ping Yan |  |
|  | * 2022 Under-Frequency Load Shed (UFLS) Survey Results | Daniel Sanchez |  |
| 5. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | Chase Smith | 10:10 a.m. |
|  | * **NPRR1143, Provide ERCOT Flexibility to Determine When ESRs May Charge During an EEA Level 3** |  |  |
| 6. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith | 10:20 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * NOGRR230, WAN Participant Security |  |  |
| 7. | Operations Working Group (OWG) | Rickey Floyd | 10:20 a.m. |
|  | * **Major Transmission Elements (MTE) list (Vote)** |  |  |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (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) (Possible Vote) |  |  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (OWG) (Possible Vote) * NPRR1138, Communication of Capability and Status of Online IRRs at 0 MW Output (OWG, IBRTF) (Possible Vote) |  |  |
|  | * NOGRR226, Revision to 5% Transmission Operator (TO) Load Shedding Relay Point (DWG, OWG, PDCWG) (Possible Vote) |  |  |
| 8. | Inverter Based Resources Task Force (IBRTF) | Mohammad Albaijat | 10:35 a.m. |
|  | * **Revised IBRTF Scope (Vote)** * NPRR1138, Communication of Capability and Status of Online IRRs at 0 MW Output (IBRTF, OWG) (Possible Vote) |  |  |
|  | Break |  | 10:50 a.m. |
| 9. | Dynamics Working Group (DWG) | Zhenhua Wang | 11:05 a.m. |
| 10. | Performance Disturbance Compliance Working Group (PDCWG) | Jimmy Jackson | 11:15 a.m. |
| 11. | **Combo Ballot (Vote)** | Chase Smith | 11:25 a.m. |
| 12. | Black Start Working Group (BSWG) | Rutul Patel | 11:30 a.m. |
| 13. | Network Data Support Working Group (NDSWG) | Kenesha King | 11:40 a.m. |
| 14. | Steady State Working Group (SSWG) | Ross Cloninger | 11:50 a.m. |
| 15. | Planning Working Group (PLWG) | Charles DeWitt | 12:00 p.m. |
| 16. | Voltage Profile Working Group (VPWG) | Maribel Khayat | 12:10 p.m. |
| 17. | Other Business | Chase Smith | 12:20 p.m. |
|  | * Annual TAC Subcommittee Structural Review |  |  |
|  | * 2023 Meeting Schedule |  |  |
|  | * Review Open Action Items List |  |  |
|  | * No Report |  |  |
|  | * Operations Training Working Group (OTWG) |  |  |
|  | * System Protection Working Group (SPWG) |  |  |
|  | Adjourn | Chase Smith | 12:30 p.m. |
|  | Future ROS Meetings |  |  |
|  | * September 29, 2022 by Webex Only |  |  |
|  | * November 7, 2022 by 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. | 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 |