**AGENDA**

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

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

Thursday, June 2, 2022 / 9:30 a.m.

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 2556 334 1869

Password: DPm55#

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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 |  |
|  | * **May 5, 2022** |  |  |
| 4. | Technical Advisory Committee (TAC) Update | Chase Smith |  |
| 5. | ERCOT Reports |  | 9:40 a.m. |
|  | * Operations Report *- Questions Only* | ERCOT Staff |  |
|  | * System Planning Report *- Questions Only* | Ping Yan |  |
|  | * Transient Security Assessment Tool (TSAT) Model Update | ERCOT Staff |  |
|  | * **Southern Cross Directive 1, Registration and Market Segment (Vote)** | ERCOT Staff |  |
|  | * **Southern Cross Directive 11, Cost Allocation (Vote)** | ERCOT Staff |  |
|  | * **Southern Cross Directive 12, QSE Costs (Vote)** | ERCOT Staff |  |
| 6. | **New Protocol Revision Subcommittee (PRS) Referrals (Vote)** | Chase Smith | 10:45 a.m. |
|  | * **NPRR1132, Communicate Operating Limitations during Cold and Hot Weather Conditions** |  |  |
| 7. | **ROS Revision Requests (Vote)** | Chase Smith | 11:00 a.m. |
|  | ***Impact Analysis Review*** |  |  |
|  | * **NOGRR241, Related to NPRR1127, Clarification of ERCOT Hotline Uses** |  |  |
|  | ***Language Review*** |  |  |
|  | * **RRGRR032, Related to NPRR1132, Communicate Operating Limitations during Cold and Hot Weather Conditions** |  |  |
|  | * **PGRR101, Related to NPRR1133, Clarify Responsibilities for Submission of Planning Model Data for DC Ties** |  |  |
| 8. | **NPRR1133, Clarify Responsibilities for Submission of Planning Model Data for DC Ties (Vote)** | Chase Smith | 11:25 a.m. |
| 9. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith | 11:30 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * NOGRR230, WAN Participant Security |  |  |
|  | Break |  | 11:30 a.m. |
| 10. | Planning Working Group (PLWG) | Charles DeWitt | 11:45 a.m. |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote) |  |  |
| 11. | Operations Working Group (OWG) | Rickey Floyd | 11:55 a.m. |
|  | * NPRR1084, Improvements to Reporting of Resource Outages and Derates (Possible Vote) |  |  |
|  | * NPRR1085, Ensuring Continuous Validity of Physical Responsive Capability (PRC) and Dispatch through Timely Changes to Resource Telemetry and Current Operating Plans (COPs) (OWG, PDCWG) (Possible Vote) |  |  |
|  | * NPRR1118, Clarifications to the OSA Process (Possible Vote) |  |  |
|  | * SCR821, Voltage Set Point Target Information for Distribution Generation Resource (DGR) or Distribution Energy Storage Resource (DESR) (OWG, NDSWG, VPWG) (Possible Vote) |  |  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (Possible Vote) |  |  |
|  | * NOGRR226, Revision to 5% Transmission Operator (TO) Load Shedding Relay Point (DWG, OWG, PDCWG) (Possible Vote) |  |  |
| 12. | Performance Disturbance Compliance Working Group (PDCWG) | Jimmy Jackson | 12:25 p.m. |
|  | * NPRR1128, Allow FFR Procurement up to FFR Limit Without Proration (Possible Vote) |  |  |
| 13. | Voltage Profile Working Group (VPWG) | Maribel Khayat | 12:45 p.m. |
| 14. | Steady State Working Group (SSWG) | Ross Cloninger | 12:55 p.m. |
|  | * **SSWG Procedure Manual (Vote)** |  |  |
| 15. | Planning Geomagnetic Disturbance Task Force (PGDTF) | Jorge Canamar | 1:05 p.m. |
|  | * **Disband PGDTF (Vote)** |  |  |
| 16. | **Combo Ballot (Vote)** | Chase Smith | 1:15 p.m. |
| 17. | Inverter Based Resources Task Force (IBRTF) | Mohammad Albaijat | 1:20 p.m. |
| 18. | Network Data Support Working Group (NDSWG) | Kenesha King | 1:30 p.m. |
| 19. | Other Business | Chase Smith | 1:40 p.m. |
|  | * Review Open Action Items List |  |  |
|  | * No Report |  |  |
|  | * Black Start Working Group (BSWG) |  |  |
|  | * Dynamics Working Group (DWG) |  |  |
|  | * Operations Training Working Group (OTWG) |  |  |
|  | * System Protection Working Group (SPWG) |  |  |
|  | Adjourn | Chase Smith | 1:45 p.m. |
|  | Future ROS Meetings |  |  |
|  | * July 7, 2022 |  |  |
|  | * August 10, 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: Following the 12/16/21 PUCT approval of NPRR1105, Option to Deploy Distribution Voltage Reduction Measures Prior to Energy Emergency Alert (EEA), review and evaluate the effectiveness and criteria to use when deploying voltage reduction before EEA | OWG | 12/02/2021 |
| 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 |