**AGENDA**

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

**Thursday, October 7, 2021 / 9:30 a.m.**

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 182 706 0459

Password: hP#373

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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. |
|  | * **September 2, 2021** |  |  |
| 4. | Technical Advisory Committee (TAC) Update | Chase Smith | 9:40 a.m. |
| 5. | ERCOT Reports |  | 10:00 a.m. |
|  | * Operations Report | ERCOT Staff |  |
|  | * System Planning Report | Ping Yan |  |
|  | * Generic Transmission Constraint (GTC) Update | Yunzhi Cheng |  |
|  | * TSAT Model Update | Mehdi Daryabak |  |
| 6. | **ROS Revision Requests (Vote)** | Chase Smith | 10:35 a.m. |
|  | ***Impact Analyses Review*** |  |  |
|  | * **PGRR092, Related to NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs** |  |  |
|  | * **RRGRR029, Related to NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs** |  |  |
|  | ***Language Review*** |  |  |
|  | * **NOGRR233, Related to NPRR1094, Allow Under Frequency Relay Load to be Manually Shed During EEA3** |  |  |
|  | * **PGGR095, Establish Minimum Deliverability Criteria** |  |  |
|  | * **PGRR096, Achieve Consistent Representation of Distributed Generation in Steady-State Models** |  |  |
| 7. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith | 11:10 a.m. |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions |  |  |
|  | * NOGRR230, WAN Participant Security |  |  |
|  | * NOGRR231, Update ERCOT Regional Map |  |  |
|  | Break |  | 11:35 a.m. |
| 8. | Planning Working Group (PLWG) | Charles DeWitt | 11:45 a.m. |
|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote) |  |  |
| 9. | Operations Working Group (OWG) | Rickey Floyd | 11:55 a.m. |
|  | * 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) |  |  |
|  | * 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) |  |  |
| 10. | Performance Disturbance Compliance Working Group (PDCWG) | Jimmy Jackson | 12:15 p.m. |
| 11. | Black Start Working Group (BSWG) | Tony Kroskey | 12:25 p.m. |
|  | * **BSWG Scope (Vote)** |  |  |
| 12. | **Combo Ballot (Vote)** | Chase Smith | 12:30 p.m. |
| 13. | Steady State Working Group (SSWG) | Ross Cloninger | 12:35 p.m. |
| 14. | Voltage Profile Working Group (VPWG) | Scot Williams | 12:45 p.m. |
| 15. | Planning Geomagnetic Disturbance Task Force (PGDTF) | Chu Liang | 12:55 p.m. |
| 16. | Network Data Support Working Group (NDSWG) | J-M Yatar | 1:05 p.m. |
| 17. | Other Business | Chase Smith | 1:15 p.m. |
|  | * TAC Emergency Conditions List Item #35, Procedures during Natural Gas Supply Emergency Update | Chad Thompson |  |
|  | * 2022 ERCOT Membership/Segment Representative Elections | Suzy Clifton |  |
|  | * Review Open Action Items List |  |  |
|  | * No Report: |  |  |
|  | * + Dynamics Working Group (DWG) |  |  |
|  | * + Operations Training Working Group (OTWG) |  |  |
|  | * + System Protection Working Group (SPWG) | Vincent Roberts/Glenn Callaghan |  |
|  | Adjourn | Chase Smith | 1:35 p.m. |
|  | Future ROS Meetings |  |  |
|  | * November 4, 2021 |  |  |
|  | * December 2, 2021 |  |  |

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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 |
| 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: [Emergency Conditions List Review](http://www.ercot.com/committee/tac) | ROS | 03/24/2021 |
| TAC Assignment: Review the issues raised along with the impacts of OBDRR031 and return to the October 27, 2021 TAC meeting with recommendations:   * Review RRS increase to 2800MW * Assess Impact of Ancillary Service changes over summer/report to TAC * Analyze methodology for determining Non-Spinning Reserve (Non-Spin) requirements and value provided in non-peak times * Account for Responsive Reserve Service (RRS) High Ancillary Service Limit (HASL) release in non-spin deployment * How to define high/med/low variability? * Should Non-Controllable Load Resource (NCLR) be allowed to provide Non-Spin? * Should higher RRS or ERCOT Contingency Reserve Service (ECRS) be procured? * Review the impact to cycling resource before it is really needed in peak summer | PDCWG | 07/08/2021 |
| 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 |