**AGENDA**

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

**Thursday, September 2, 2021 / 9:30 a.m.**

<https://ercot.webex.com>

Teleconference: 877-668-4493

Meeting number: 142 165 9295

Password: dwJ64#

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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.  |
|  | * **August 5, 2021**
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|  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 |  |
|  | * 2021 UFLS Survey Results
 | Daniel Sanchez |  |
|  | * May 9, 2021 Loss of Generation Event
 | Stephen Solis |  |
|  6. | **ROS Revision Requests (Vote)**  | Chase Smith |  10:50 a.m.  |
|  | ***Impact Analyses Review*** |  |  |
|  | * **PGRR093, Replace Inadvertent Deletions in Section 5**
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|  | * **PGRR094, Clarify Notification Requirement for Generator Construction Commencement or Completion**
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|  | * **NOGRR223, Add Phasor Measurement Recording Equipment Requirement to Modified Generating Facilities in Interconnection Process**
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|  | ***Language Review*** |  |  |
|  | * **NOGRR230, WAN Participant Security**
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|  | * **NOGRR231, Update ERCOT Regional Map**
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|  7. | Revision Requests Tabled at ROS (Possible Vote) | Chase Smith |  11:20 a.m.  |
|  | * PGRR073, Related to NPRR956, Designation of Providers of Transmission Additions
 |  |  |
|  | Break |  |  11:20 a.m.  |
|  8. | Planning Working Group (PLWG) | Charles DeWitt |  11:30 a.m.  |
|  | * NPRR1056, Market Impact Generic Transmission Constraint (GTC) Notification (OWG/PLWG) (Possible Vote)
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|  | * NPRR1070, Planning Criteria for GTC Exit Solutions (OWG/PLWG) (Possible Vote)
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|  10. | Operations Working Group (OWG)  | Rickey Floyd |  11:45 a.m.  |
|  | * NOGRR215, Limit Use of Remedial Action Schemes (Possible Vote)
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|  | * NOGRR226, Revision to 5% Transmission Operator (TO) Load Shedding Relay Point (DWG, OWG, PDCWG) (Possible Vote)
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|  | * NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs (OWG) (Possible Vote)
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|  | * PGRR092, Related to NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs (OWG) (Possible Vote)
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|  | * RRGRR029, Related to NPRR1077, Extension of Self-Limiting Facility Concept to Settlement Only Generators (SOGs) and Telemetry Requirements for SOGs (OWG) (Possible Vote)
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|  | * NPRR1084, Improvements to Reporting of Resource Outages and Derates (Possible Vote)
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|  | * 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)
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|  | * Major Transmission Elements (MTE) list (Possible Vote)
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|  11.  | Performance Disturbance Compliance Working Group (PDCWG) | Chad Mulholland |  12:05 p.m.  |
|  12.  | Dynamics Working Group | Sam Jung |  12:15 p.m.  |
|  13. | Operations Training Working Group (OTWG) | OTWG Leadership |  12:25 p.m.  |
|  | * **OTWG Leadership (Vote)**
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|  | **Chair: Tamme Chilton, CenterPoint Energy** |  |  |
|  14. | **Combo Ballot (Vote)** | Chase Smith |  12:30 p.m.  |
|  15. | Steady State Working Group (SSWG) | Ross Cloninger |  12:35 p.m.  |
|  17. | Voltage Profile Working Group (VPWG) | Scot Williams |  12:45 p.m.  |
|  18. | Other Business | Chase Smith |  12:55 p.m.  |
|  | * Review Open Action Items List
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|  | * Annual TAC Subcommittee Structural Review
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|  | * No Report:
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|  | * + Black Start Working Group (BSWG)
	+ Network Data Support Working Group (NDSWG)
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|  | * + Planning Geomagnetic Disturbance Task Force (PGDTF)
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|  | * + System Protection Working Group (SPWG)
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|  | Adjourn | Chase Smith |  1:15 p.m.  |
|  | Future ROS Meetings |  |  |
|  | * October 7, 2021
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|  | * November 4, 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 repositoryUpdate: effort restarted and being reviewed next few meetings  | NDSWG | 04/01/2021 Update05/02/201904/04/2019 |
| 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 15-3 Switchable Resources
* KTC 15-4 Provisions Associated with Delayed Outages
* KTC 15-5 Black Start Service
* KTC 15-6 RMR and MRA Services
* KTC 15-9 Governor Dead-band Telemetry as a Concept
 | ROSOWGOWGBSWGPLWGPDCWG/DWG | 04/29/2021 |