

# Operations Training Working Group (OTWG)

June 13th, 2019

ERCOT 800 Airport Drive, Taylor, Building TCC 1, Room 252/WebEx

0900-1200

* **Anti-trust Admonition**

To avoid raising concerns about antitrust liability, participants in ERCOT activities should refrain from proposing any action or measure that would exceed ERCOT’s authority under federal or state law. For additional information, stakeholders should consult the Statement of Position on Antitrust Issues for Members of ERCOT Committees, Subcommittees, and Working Groups, which is posted on the ERCOT website.

* **Disclaimer**

All presentations and materials submitted by Market Participants or any other Entity to ERCOT staff for this meeting are received and posted with the acknowledgement that the information will be considered public in accordance with the ERCOT Websites Content Management Operating Procedure.

* **Previous meeting minutes**

Motions to pass

**CURRENT/UPCOMING EVENTS**

* NERC Exam Working Group (EWG)
  + Hosted in St. Louis MO; contact Josh Aldredge if interested
* NERC Personnel Subcommittee meeting (5/14-15/2019)
  + Hosted in Atlanta GA; report back from Erik Johnson
* Texas Power Reliability Conference (7/18-19/2019)
  + Hosted in Austin TX by Electric Utility Consultants Inc (EUCI)

<https://www.euci.com/event_post/0719-texas-power-reliability/>

**OPERATIONS NOTICES, NOGRRs and NPRRs**

* No pertinent NOGRR’s or NPRR’s at this time
* No additional news to report

**ITEMS FOR DISCUSSION**

* ERCOT Initial Operator Training Program
  + J. Aldridge update
    - We are on hold until the NERC EWG and PCGC finalize requirements for a single certification as opposed to the current setup. Once that is done, we will revisit the program direction and make adjustments as necessary.
* ERCOT Certification Exam
* J. Aldridge update
  + At this time ERCOT Legal does not agree to allow non-ERCOT personnel to take the certification. It is closed to anyone not currently represented by an ERCOT market participant. A review will be conducted as time is available, most likely during Cycle 4.The exam schedule has resumed normal test times as they were prior to Black Start Training. Please let me know if there are any items or situations that need attention during the review.
* ERCOT Fundamentals manual
  + Need reviews of the fundamentals manual
  + Redlines to suggest changes/updates for incorrect/confusing information and more in-depth “how” where needed
  + Red-line copy under review (A.Ballew)
* Human Performance Improvement (HPI) Task Force
  + HPITF will be a sub-group of OTWG
    - Membership ▪ Startup
  + Mark Henry (TRE) suggested HPI training should be offered to other employees beyond system operators
  + NERC has developed a new HPI training workshop
  + Awaiting update (B.Legg)

**TRAINING EVENTS**

* 2019 Black Start and Restoration Training
  + After Action Report released by BSWG
    - Additional information regarding future improvements to this training (stage and/or role exercises) may be

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* + MarTech Summary for CEH awards – see NERC SOCCED
* 35th Annual ERCOT Region Operator Training Seminar
  + Schedule and agenda are shown below
  + Registration/Accomodations in Market Notice to go out June 21st
  + 17.5 CEHs available: 3.5 CBT, 14 ILT
  + Material due date timeline went out 6/10/19
* 2019 Other Training
  + WSD – week 2 of cycle 6 (10/24/19 1-5pm)
    - Onsite
  + GridEX – week 5 of cycle 6 (11/13-11/14/2019)

**New Business**

* + Solicit new business

**Adjourn**

Next Meeting Dates (Information will be updated by the meeting)

<http://www.ercot.com/committees/board/tac/ros/otwg/>

* + July 18th (9am) TCC 1, RM 252 / WebEx
  + August 8th (9am) TCC 1, RM 252 / WebEx
  + *~~September 12~~~~th~~ ~~(9am) TCC 1, RM 252 / WebEx~~*
  + October 10th (9am) TCC 1, RM 252 / WebEx
  + November 7th (9am) TCC 1, RM 252 / WebEx
  + December 12th (9am) TCC 1, RM 252 / WebEx

Operator Training Seminar ○ Pilot: August 13th-15th

* + - * + Week 1: August 27th – 29th
        + Week 2: September 3rd – 5th
        + Week 3: September 10th – 12th
        + Week 4: September 17th – 19th
        + Week 5: September 24th – 26th
        + Week 6: October 1st – October 3rd

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| --- | --- | --- | --- | --- | --- |
| **CEHs** | **Day** | **Time** | **Topic** | **Subtopics** | **Presenter/Backup** |
| 0 | **TUE** | 1300 | CEO Report |  | Magness/Rickerson |
| 1 |  | 1400 | Near Misses/ Lessons Learned | External Lessons Learned | Henry/Collins  (TexasRE) |
| 2 |  | 1500 -1700 | Human Performance Improvement | Situational Awareness  Coping with Shiftwork | Legg (LCRA) |
|  | | | | | |
| 1 | **WED** | 0700 | Emerging Technologies | New  Distributed Energy & Demand Response  Switchable Generation  Storage | Stice/Thomas |
| 1 |  | 0800 | Wind | Technologies & Capabilities  Requirements & Integration  Forecast & Scheduling  TOP Operations Experience | Adams/Spinner |
| 1 |  | 0900 | Planning Updates & Trends | Far West TX Project  Lubbock Integration  DC Tie Projects | Fred Huang |
| 1 |  | 1000 | Inertia | Inertia and Frequency Bias Calculation | Mago/Sharma |
|  |  | 1100 | **L U N C H** |  |  |
| 1 |  | 1200 | GMD | GMD effects on Transmission | Mike Juricek (ONCOR) |
| 2 |  | 1300-1500 | Voltage Control | Understanding Voltage Control  Reactive Support  Sympathy Trips & Collapse | Rainwater/  Solis |
|  | | | | | |
| 0 | **THU** | 0700 | Weather |  | Coleman |
| 1 |  | 0800 | Congestion Management | Responding to Post-Contingency Overloads, IROLs and SOLs  Congestion Management Actions | Thompson/Mohanadhas |
| 1 |  | 0900 | ERCOT Security Plans | CIP (cyber)  Sabotage (physical)  Operator Roles w/Security | Hasha |
| 1 |  | 1000 | Emergency Operations | TBD | Chilton/CNP rotation |
| 1 |  | 1100-1200 | Black Start Plans: Creation & Implementation |  | Butler/Garcia |
|  | | | | | |
| 2 | On-line |  | System Protection | Generation  Transmission | MarTech/Johnson |