

# Operations Training Working Group (OTWG)

April 20th, 2017

ERCOT 810 Airport Drive, Taylor, Building TCC 2, Room 130A

1400-1600

* 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.

* Approval of Meeting Notes – March
* 2017 Black Start Training Completed
  + All Hazards Restoration Stages Framework
  + Extra Day of Black Start and Restoration Training (CEHs)
* 2017 Operator Training Seminar (14 CEH)
  + Delivery Schedule
    - ~~Pilot January 17-19, 2017~~
    - ~~Session1 March 28-30, 2017~~
    - ~~Session2 April 4-6, 2017~~
    - ~~Session3 April 11-13, 2017~~
    - ~~Session4 April 18-20, 2017~~
    - Session5 April 25-27
    - Session6 May 2-4, 2017
* Winter Storm Drill (Oct 18/19)
  + CEHs may be available from ERCOT if requirements met by participants
  + Initial Narrative
    - Freezing temperatures and icing in West
      * Natural Gas Well Heads icing
      * Natural Gas Pipeline pressure issues
      * Natural Gas Restrictions
    - High winds and icing in Panhandle
      * High Output from wind
      * Large number of wind units tripping
    - High winds and icing throughout the ERCOT region
      * Line trips due to icing and high winds
      * Unit trips due to low temperatures
  + Goal
    - Transmission events
    - Localized blackout and restoration (West only)
    - Capacity Emergency
  + Event Input Due June 15, 2017
    - Event Input Sheet
* Virtual Instructor Led Training Pilot
  + In conjunction with Winter Storm Drill and Grid Ex IV Drill
* Grid Ex IV Registration (Nov 15/16)
  + CEHs may be available from ERCOT if requirements met by participants
  + Registration
    - Send your organization’s Lead Planner name and email address to [GridEx\_Registration@bah.com](mailto:GridEx_Registration@bah.com)
    - Once vetted, Lead Planner will receive credentials for the Grid Ex IV Portal
    - Access pertinent information regarding exercise planning and attend regular planning calls (Only one representative from each industry organization will be granted access to the Grid Ex IV Portal, <https://pmev2.bah.com/ecs/Gridex/GridEx_IV/default.aspx>)
  + Will use the Winter Storm Drill events (lite), with different causes
  + Specific Grid Ex IV events due June 15, 2017
* Sync and Beyond
  + Initial Restoration Outage(s) and Island Scenario Input from Participants due
  + When to transition to CFC
  + Operating Principles for Multi-TOP CFC island
  + All Hazards Restoration Stages Framework
  + Date TBD (Mid-August – Mid-October)
* 2018 OTS
  + Theme / Topic Suggestions
  + Theme / Topic voted
    - Black Start Generator Control
    - Line Voltage Control
    - Human Performance
* Combining Black Start and OTS
* New Business
* Adjourn
* Next Meeting Dates

May 11 TCC 1 Room 253, WebEx

Trainer Development – May 10 (1300), TCC 1 Room 253

Jun 15 TCC 1 Room 253, WebEx

Jul 20 TCC 1 Room 253, WebEx

Aug 17 TCC 1 Room 253, WebEx

Sep 14 TCC 1 Room 253, Web Ex

Trainer Development – Sep 13 (1300), TCC 1 Room 253

Oct 5 TCC 1 Room 253, WebEx

Nov 9 TCC 1 Room 253, WebEx

Dec 14 TCC 1 Room 253, WebEx

* WebEx Info

[**WebEx Conference**](https://ercot.webex.com/ercot)

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| Meeting number (access code): 629 049 681  Meeting password: otwg0420 |

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| **Join by phone** |
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