

Minutes ERSTF Meeting

December 10, 2014 | 12:00 PM – 5 PM EST

December 11, 2014 | 8:00 AM – 12:00 PM EST

Westin Buckhead Atlanta Hotel
East and West Paces Room – 4th Floor
3391 Peachtree Road NE
Atlanta, GA 30326

Remote participation:

Web: www.readytalk.com | Access: 5494366 | Security: 141210

Conference: 1-866-740-1260 | Access: 5494366 | Security: 141210

Introduction and Chair's Remarks

NERC Antitrust Compliance Guidelines and Public Announcement – Pooja Shah

Agenda Items

December 10, 2014

1. **12:00 PM– 12:30 PM – Lunch (Provided)**
2. **12:30 PM – 12:45 PM – Tom Burgess – NERC remarks** – Tom acknowledge and appreciated the strong efforts of the ERSTF. Overall, the progress of the task force is meeting expectations. Tom expressed interest in some clear planning horizon measures to be included in the framework document. Tom also mentioned NERC's desire to target the next phase results presented to the NERC board of trustees in November 2015. Tom mentioned that further study of the proposed measures would provide the industry and policy makers more information on changing system dynamics.
3. **12:45 PM– 1:15 PM – Update from OC and PC presentations – Ken McIntyre** - Ken and Brian presented that OC and PC well received the draft version of the framework document. The four proposed measures were endorsed for further study. Thanks to the team for pulling together the document at last minute over holidays. The OC requested a schedule/roadmap for the expected results and in addition specifically requesting NERC to track and report all information type requests to the industry and documents in order to keep expectations in order and assist in prioritizing efforts.
4. **1:15 PM – 2:30 PM – Subgroup Status Updates**
 - a. Load and Resource Balance – Clyde Loutan – Clyde's group is working with EPRI to come up with two more measures and they would present them at the next meeting.
 - b. Voltage Support – John Simonelli – There was a lengthy discussion on voltage and reactive measures including a presentation from GE on Short Circuit Ratio studies. In Version 2 of the framework document, measure 8 will be removed and a measure 10 will be added in its place

as a new measure with new language, specifically targeting operations and planning SCR measures. Voltage group will take it for further evaluation based on the group's input.

- i. Discuss Reactive Support Measures – Task Force
 - c. Frequency Support – Hassan Hamdar – Good discussion on frequency measures including Nadir and real time tool to monitor inertia. The subgroup will discuss these measures further and present their findings at the next meeting.
 - d. Policy and Advisory – Dave Canter
5. **Break**
6. **2:45 PM – 4:00 PM – Completion of Phase II deliverable and kickoff Phase III** – The group selected BA's for frequency measures. Measure 1, 2, and 3 will be analyzed by Bob Cummings' team and then compared with BA's that will volunteer this data (specifically for the Eastern Interconnection). BA's: Southern Company, ISO-NE, MISO, Ontario, Duke, CAISO, ERCOT, PJM, SPP, WECC (Planning department). WECC believes they information is available for their Interconnection and may be able to complete Measures 1, 2 and 3. Load and Resource balance group will detail their guideline and produce spreadsheet style tool for ease of data submission. The frequency group will build similar spreadsheet for BA's.
7. **4:00 pm – 4:30 pm – EPRI presentation – Flexible Capacity – Aidan Tuohy - See attached**
8. **4:30 PM – 5:00 PM – GE study on Wind Integration – Nick Miller - See attached**

December 11, 2014 (No Breakfast provided)

1. **8:00 AM – 10:30 AM – Way Ahead** – The task force will reconvene in February and review progress on the endorsed measures.
 - a. ~~Activity 3 and 4 for Task Force~~
2. **10:30 AM – 11:00 AM – Assign action items for upcoming deadlines.**
 - a. Framework Document – Pooja will provide Policy Group editorial comments from NERC management to be incorporated and finalized as version 1. After the edits are made, NERC editorial staff will review it and finally posted online as version 1. The word 'requirement' would be removed from Ramping Capability measure.
 - i. For version 2, in Voltage and Reactive measures – measure 8 will be removed and measure 10 incorporated as new with new language. Voltage subgroup will provide more information to the policy group.
 - ii. Change Ramping Capability to "Net Load Ramp"
 - b. L&R Subgroup (Clyde) to 'beef' up guideline for Measure 4 to be incorporated into Phase 2 document and help industry when requesting other BA's to perform Measure. Due date December.
 - c. Voltage Subgroup to work on new Measure 10 and provide update/preliminary results at next meeting in February.

- d. Frequency Support Group will explore the non-endorsed measures and present at the next meeting in February.
 - e. Frequency Subgroup will provide spreadsheet mechanism to collect data from BA's that don't have Matlab capability to study the measure. ERCOT to help develop template. Due date December.
 - f. Bob Cummings' team will work on measures 1, 2 and 3 for eastern interconnection. Due late January.
 - g. WECC will discuss the possibility of their planning group providing the data required studying Measure 3. Pooja to reach out to Steve Ashbaker week of 12/15/14. Results due late January.
 - h. Ken and Brian to verify deliverables with NERC Leadership, and confirm NERC Board Presentations to help meet January deliverable for the Task Force. December.
3. **Future Meetings**
- a. **February 3-4, 2015 Meeting – Location TBD – [More details to follow soon, considering Dallas.](#)**
 - b. **March 11-12, 2015 Meeting – Location, Jacksonville FL (followed by Standing Committee Meetings)**
4. **Close Meeting**