

Minutes ERSTF Meeting

February 3, 2015 | 9:00 AM – 5 PM CST
February 4, 2015 | 8:00 AM – 12:00 PM CST

EPRI Dallas Regional Office
Las Colinas Tower I
201 East John Carpenter Freeway
Irving, TX 75062

Remote participation:

Web: www.readytalk.com | Access: 5494366 | Security: 150203
Conference: 1-866-740-1260 | Access: 5494366 | Security: 150203

Introduction and Chair's Remarks

NERC Antitrust Compliance Guidelines and Public Announcement – Pooja Shah

Agenda Items February 3, 2015

1. **9:00 AM – 9:15 AM – Chair's remarks – Ken McIntyre** – Ken mentioned NERC Board and MRC meetings taking place the week of 2/9 and ERSTF is on the agenda. NERC management staff will be presenting the results of the TF with ERSTF chairs to supplement. Julia Matevosjana will be the Frequency Subgroup lead with Hassan Hamdar still providing needed support. There was a concern about data request for the measures being sent to Entities' primary and alternate contacts, and in most cases they are compliance folks. The urgency for data collection helped some entities understand their planning and operations bridging process and it was valuable to them. There was a concern on changing of MRC questions from what was agreed upon by ERSTF.
2. **9:15 AM – 12:00 PM – Subgroup Updates**
 - a. Frequency Support – Hassan Hamdar/Julia Matevosyan – Measure 4 which is Nadir, doesn't need endorsement and it will require same data as 1, and 2. There was a discussion on measure 5, not being a measure but a tool. Concerns were raised that NERC's functional model prevents groups from suggesting 'tools', and they ought to be left to entities' to develop. Measure 5 could be a recommendation or an example of best practice.
 - i. Make Measure 5, recommendation, specify whether it's BA or interconnect level, and continue to monitor min SIR via any real-time tool
 - ii. Measure 4 – the subgroup will reevaluate measure 4 and propose recommendation at the March meeting

- iii. Measures 1 & 3 – Bob Cummings will assist the group with defining need for better modeling in EI. Currently declining inertia is not a problem in EI, but there is a strong need for determining at what point it will be an issue and what improvements in EI models need to be done to anticipate the changes.

Measures 1 & 3 – About 7 entities provided the data for these measures and in most cases, inertia did not show declining trend. Some entities' provided snapshot data for inertia and average trend for future based on the snapshot. IESO had a flat line inertia due to nuclear fleet on their system, and they predict it will go down if and when the nuclear units retire. Eastern Interconnection (EI) and WECC had trouble getting the data from the models. Duke expressed the same concern, but mentioned that once understood, it was a good practice for them to analyze their data. MISO saw similar benefit and difficulty in getting the data with minor issue of sorting jointly owned units. In general, most entities found it difficult to get this data but now that they have it, it's easy to continue getting it in future. MISO developed a real-time inertia tool, similar to CAISO. It was agreed upon to keep this measure BA centric.

The data requirements and fields in procedures, need to be clarified for both Frequency and Load and Resource Balance subgroups, before the OC/PC meetings.

There was a recommendation that ERSTF present to OC and PC with clarity, exactly what data is needed for the framework of measures.

- b. Load and Resource Balance – Clyde Loutan – Clyde provided an update on entities' that provided ramping data for measure 6. There are only a few BA's experiencing the issue of growing ramping needs, ERCOT seeing the need in 2018. BA's with large anticipated solar installations, will see a need for continuous monitoring of their ramping needs. There was a question on whether this measure is valuable. MISO doesn't experience ramp up problem but anticipates down ramp to be a problem. IESO's load profile has changed from the past and they see this issue in shoulder seasons. It was decided to recommend this measure and provide a limit of when this ramping will become an issue for entities. Bob Cummings agreed to help with drafting an outline for collecting other data needed to get trends and results.
 - i. Bob Cummings helped outlining the next framework document, and will continue to provide input for the next framework report.

3. 1:00 PM– 3:00 PM – Subgroup Updates Cont'd

- a. Voltage Support – John Simonelli – John's group (Chuck Chakravarthi) will work on a template for measure 7 and present at the March OC/PC meeting for endorsement. Subgroup will review measures 9, and 10. Measure 8 would be removed from the list.
- b. Policy and Advisory – Dave Canter – Version 2 of the framework report will be presented to March OC/PC meetings.
 - i. All updates from subgroups need to be delivered to Dave Canter by COB February 20, 2015.

4. Break

5. 3:15 PM – 5:00 PM – Subgroup Status Updates

Way ahead

February 4, 2015

1. 8:30 AM – 11:30 AM

2. **Discovery and Transparency** – Brian discussed the visibility of Behind-the-meter generation and their impact on the BPS. The group discussed at length issues surrounding distributed generation, demand response. CAISO is currently working with a university in determining the amount of distributed PV, and load separately from each other and ultimately provide a mechanism to forecast these two parameters. This item will be added to agenda for next F2F meeting.

~~3. Way Ahead Cont'd~~

~~4. March Meeting~~

5. The task force worked on outlining framework report version 2 for Frequency Subgroup and Load and Resource Balance subgroup. Dave Canter will be using the document to start the report.
6. **Close Meeting**