**IBRWG Update**

**January 2025**

**Chair: Julia Matevosyan, Vice-Chair: Miguel Cova Acosta**

**IBRWG met on January 17th (Webex, Open Meeting).**

The agenda and the presentation slides are available [here](https://www.ercot.com/calendar/01172025-IBRWG-Meeting-_-Webex)

80 people attended the meeting (at peak)

**IBRWG Main Meeting**

**OEM Presentations on GFM Capabilities and ERCOT’s Advanced Grid Support Requirements**

* Fluence (integrator using SMA inverters), SMA and Tesla:
  + presented on their GFM capabilities,
  + mentioned installed projects around the world,
  + reflected on ERCOT’s requirements laid out in (NOGRR272 and PGRR121)
  + pointed out some practical details in the requirements, including MQT requirements that will be included in the DWG Procedure Manual
  + ERCOT is working to incorporate

**NOGRR272 & PGRR121 Comments Discussion**

* Discussion of market vs requirements, what is the need?
* Inertia vs System Strength, i.e. system-wide need vs locational need.
* A presentation on stability benefits and need for AGS from ESRs at ROS was requested from Fred Huang (ERCOT).

**BAL-001 TRE-2 PFR Responsibility Exclusion Process and PFR under Deep Curtailment**

Abhi Masanna Gari, ERCOT

* ERCOT introduced an exclusion process for PFR performance evaluation during FMEs. If an RE has issues with capability to provide PFR during certain conditions, e.g. under deep curtailment, they can apply for an exclusion from FME evaluation.
* Per ERCOT Nodal Operating Guide Section 2.2.8 (2), the Market Participants shall request an exemption from, or correction of, performance during an FME *within 30 days* of the MIS posting date of the [Initial and Sustained Frequency Response Unit Performance](https://mis.ercot.com/secure/data-products/group-reports/pdcwg?id=NP12-262-M) report
* The *BAL-001-TRE-2 PFR Responsibility Exclusion Process* document is posted on [Compliance in ERCOT](https://www.ercot.com/mktrules/compliance) site.
* ERCOT would like to evaluate the effectiveness of this process before making any further changes.

**Results of NERC IBR Alert on Model Quality**

* The purpose was to gather dynamic modeling information from **all** BPS-connected IBRs as well as transmission planners and planning coordinators.
* TRE presented a great breakdown summary of ERCOT region, see the slides
* Key takeaways
* The utilization of IBT capability for voltage/frequency/protection needs to be further evaluated (currently primarily not set at maximum capability)
* As-left control settings do not match models for majority of plants (67-90% of IBRs, varies by parameter) and need to be improved.
* TRE also provided an update on NERC Milestone 2 and 3 following up on FERC Order 901, see the slides, and
* Status of SAR-013, BAL-001-TRE-2 revisions to
* Provide widening of generator governor deadband
* Clarify roles of various stakeholders
* Define PFR requirements for ESRs
* SDT is formed in December and starting work on the revision in February.