**IBRTF Report To ROS**

**March 2022**

**Chair: Mohammad Albaijat, Vice-Chair: Julia Matevosyan**

**IBRTF last met on February 18, 2022 (Webex)**

**Discussion Items:**

**Status Update on Odessa Disturbance Follow-ups**

* Presented by Patrick Gravois
* Focused on 5 Follow-up RFIs sent to REs representing 80% of the total MWs lost by solar resources during the event
* Some plants have implemented mitigations, some couldn’t due to legacy inverters, further follow ups will be needed with others (to be discussed in the next meetings)
* Specific issue of inverters tripping on overvoltage and mitigation requires further investigation with OEMs, since such behavior is not meeting ERCOT’s Voltage Ride Through requirements as per NOGs.
* Current RFI procedure after disturbances: time consuming for staff and MPs, needs improvement and more streamlined process (to be discussed in the upcoming meetings)

**Similar Inverter Model Assessment**

* Presented by Stephen Solis
* About 8.3 GW of solar capacity using same or similar models of inverters as the ones that tripped in Odessa event.
* ERCOT will follow-up with RFIs to such units requesting to address potential cause of tripping
* ERCOT will prioritize communications based on most significant causes.

**Smaller Unexpected Tripping Event Analysis**

* Presented by Patrick Gravois
* Smaller but similar events should be monitored to identify causes of IBR tripping and potentially prevent future larger events.
* ERCOT needs to streamline the process and develop events criteria for sending RFIs.
* This will be a standing reporting item for the future IBRTF meetings

**Discuss priorities and items for the next meeting**

* Presented by Stephen Solis
* A list of priorities based on the Odessa event recommendations and IBRTF scope and proposed timelines. Top priorities listed below:
* ERCOT will work with generators that tripped and those with same/similar model/make to correct known issues.
* ERCOT will work to follow up with affected REs to update their models to reflect actual performance (regardless of if fixes were made or not)
* Work on Interconnection Questionnaire/Guideline to be used by the Resource Integration team for Part 1 approval.
* Develop overall process and timelines including corrective actions and model updates to follow up with resource experiencing performance issues on any disturbance >100 MW.
* ERCOT will reach out to OEMs to encourage participation and present their perspective and observations in future meetings.
* IBRTF identified a number of action items for the next meetings and future agenda items
* ERCOT will present draft Interconnection Questionnaire
* Discuss follow-up measures if REs do not respond to requests for post-event model updates
* Follow-ups on >100 MW events (standing agenda item)
* Updates on relevant topics from NERC Inverter-based Resource Performance Working Group (IRPWG) and IEEE2800 and other relevant external groups (standing agenda item)

**Future IBRTF meeting: March 18, 2022 (Webex)**