**Meeting Minutes**

**ERCOT Planning Geomagnetic Disturbance Task Force**

**September 01, 2020, 9:30 am – 12:30 pm, WebEx only**

**Review of minutes from July 07, 2020 PGDTF meeting**

* Approved with no comments.

**TAC subcommittee structure review of working groups**

* TAC Leadership annual review, deadline September 14.
* Larisa Loyferman (CenterPoint) suggested to start revising PGDTF scope since TPL-001-4 will be effective in October.
* Eric Meier (ERCOT) Siemens is still working on incorporating GIC data into MOD. Siemens/PTI has not proposed a schedule for it
* Comments can be emailed to Amjed before the deadline.

**NOGRR-214 and PGRR-080 Approval Status**

* PGRR-080 have been approved and will be incorporated in this month’s planning guideline.
* The language for NOGRR-214 has been approved and will be under Impact Analysis review of ROS meeting this month.

**Federal and State Activities Regarding GMD**

* **IEEE GMD Working Group meeting on August 11, 2020**
  + IEEE is looking to establish a task force for various GMD and GIC related topics. Some topics discussed to be considered in the task force are incorporating the coastal effect in modeling GIC, utility grade magnetometers, GIC model validation and operation mitigation techniques.
* **NERC GMDTF meeting on August 26,2020**
  + NERC staff is completing development of GMD data portal for implementation in October 2020
  + Everyone providing or requesting GMD data will be required to have an ERO portal account.
  + There will be data reporting training session late September – Early October.
  + EPRI starting a new project to improve the harmonics program and improve earth models, and they are looking for TSP to join the project.
  + NOAA discussed their project to interpolate geomagnetic field data.
  + Oregon State provided a status update of their project to develop new earth model using actual measurements.

**GMD Vulnerability Assessment activities**

* **Benchmark GMDVA Scope and Process Draft**
  + ERCOT updated the first version of the document to incorporate the comments from PGDTF and presented it to the RPG on July. ERCOT will post the new version to the meeting webpage.
  + Amjed (ONCOR) suggested either updating the relay loadbility limits to be consistent with PRC-023 or adding a rationale for using those limits. ERCOT will work on that for more clarification.
  + Amjed (ONCOR) also commented on the deliverables, that only the list of susceptible elements in a contingency file format should to be published and not include any document rationale. ERCOT mentioned that their intention is to post the outage events in a contingency format and not publish the rationale.
* **Update on Benchmark GMDVA**
  + ERCOT incorporated the DC ties reactive losses. The results were very similar compared with the initial run. The only voltage violation observed was easily tuned.
  + There are some branch violations observed. ERCOT will reach out to the impacted TSP/REs.
  + The reactive losses did not vary by much per orientation: Max 1300 Mvar, Min 1200 Mvar
  + A detailed result presentation will be provided in the future.

**Future Meetings**

* October 06, 2020

**Rollcall September 1st, 2020**

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| **Attendee** | **Company** | **Attendee** | **Company** |
| Amjed Kandah | ONCOR | Chu Liang | WETT |
| Ben Guo | LCRA | Aster Amahatsion | AEP |
| Bob Wittermeyer | BEPC | Lori Thompson | ERCOT |
| Minnie Han | ERCOT | John Bernecker | ERCOT |
| Ping Yan | ERCOT | Eric Meier | ERCOT |
| Charles Gibune | DNV GL | Doug Evans | STEC |
| Phil Bracy | ERCOT | Christian Danielson | EPE/REC |
| Jianhui Zhang | AEN | Juan Conto | GPL |
| Jun Li | CenterPoint | Samuel Whisler | CenterPoint |
| Omer Siddiqui | CPS | Larisa Loyferman | CenterPoint |
| Takayuki Ito | AEP | Pasty Anderson |  |
| Tim Cook | CTT | Ash Chakravarthy |  |
| Cole Dietert | EPE/REC | Brian Hithersay | BEPC |