PGDTF Meeting

Tuesday, March 16, 2021

9:30 AM

* **Frequency to develop GIC models**
  + Once every 60 months current standard
  + Majority supports this standard
* **Working Groups to develop models**
  + PGDWG
    - Establish a new GMD group - expand the task force to create group
    - Limited scope is the one downside of becoming a new group
  + NDSWG
    - Does not have experience with PSSE
  + SPWG
    - They do have GIC experience
    - They don’t use PSSE, they use ASPEN
    - Develop 5 cases over a 6-month time frame
  + SSWG
    - Familiar with PSSE and Siemens MOD
    - Might not have experience with GIC data
    - Pretty busy - 54 cases being prepared every year
  + DWG
    - Similar process in developing DWG cases
    - Developing 3 cases over a 6-month time frame
* Comments
  + Larissa Loyferman CenterPoint energy
    - Agrees that should be SSWG or DWG would work but prefers SSWG
    - SSWG is real busy though, however, they are planning to remove one case which would open some bandwidth for the group
    - DWG could work as well - some of the participants from DWG have some familiarity with GIC and the task force in general
  + Omar CPS
    - Agrees with Larissa - SSWG already has a lot of cases to develop, it is a bit overwhelming
    - Hire a consultant to develop it every 5 years
  + Leslie Williams
    - PGDTF should get onto the agenda of the SSWG and DWG to discuss and present the options to the groups themselves
    - SSWG is not removing one case they are modifying one, plus they do contingency, data dictionary, relay loadability, etc.
    - DWG overwrites information on top of SSWG cases
  + Ross vice chair SSWG
    - Agrees with Leslie
  + Larissa
    - Agrees with Leslie
    - Since all other cases are created from SSWG seems to be the best option
  + Ben LCRA
    - VPWG would be a great option
    - They use PSSE and they do look like they have the bandwidth to do so
    - However, VPWG does not add any elements to the cases.
    - They just adjust voltages and fix voltage issues with existing elements
  + DWG meets quarterly while SSWG meets every month
  + Amjed from ONCOR
    - SSWG would be the most appropriate one, but, bandwidth is an issue
    - DWG would be the alternative
    - Keeping track and maintaining data would simplify the process for any working group
* **Where should we keep the data for the GIC model**
  + Leslie
    - Siemens is working on a GIC module
    - Is there any data we could ask operations modelers to include in their models? Like the transformer grounding
    - Key points for GIC - transformer grounding, lat long information
* **GMD vulnerability activity**
  + Model corrections and updates
    - Correct normally open lines
  + One low voltage violation - bus was islanded
  + No potential cascading for BES
  + Preliminary test performed- supplemental GMD event applied to the GIC system model with benchmark GMD outages
  + Market notice to provide list of potential equipment outages due to harmonics resulting from GMD event
    - 3 TSPs have not submitted response
    - Response has been received for 48% of resource sites
* **Other businesses**
  + Chu will prepare to meet with SSWG, DWG and maybe VPWG to during one of their meetings to present what incorporating GIC to their working groups would look like and figure out which is the better fit
* **Rollcall March 16th, 2021**

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| **Attendee** | **Company** | **Attendee** | **Company** |
| Chu Liang | WETT | Jorge Canamar | Sharyland |
| Cole Dietert | LPL/EPE | Leslie Williams | ERCOT |
| Ping Yan | ERCOT | Eric Meier | ERCOT |
| Phung Nguyen | ERCOT | Farhad Nikouei | ERCOT |
| Phil Bracy | ERCOT | Christian Danielson | EPE/REC/LPL |
| Jianhui Zhang | AEN | Ramya Nagarajan | CTT |
| Samuel Whistler | CNP | Ross C | TNMP |
| Omer | CPS | Larisa Loyferman | CenterPoint |
| Takayuki Ito | AEP | Amjed Kandah | ONCOR |
| Minnie Han | ERCOT | Omar Urquidez | BMCD |
| Charles Gibune | DNV GL | Chenyan Guo | Lone Star |
| Nicholas Oberski | LCRA | Anthony Rutka | LPL/REC |