**DMTF Progress on Issues Specified in Scope Document**

**Process for Submitting, Reviewing, and Maintaining Dynamic Models**

CenterPoint provided an overview of their MOD-26/27 process

* Appears to be some process variations among TPs – should this process be standardized?
* How does the MOD26/27 process coordinate with the RARF process to ensure ERCOT system models (DWG flat start cases) incorporate the right model?

Modeling for planned facilities

* Models used in FIS versus what is submitted in RARF/pre-RARF?
* What is the process to ensure ERCOT system models (DWG flat start cases) incorporate the right model?

ERCOT presented a concept/prototype for model templates to be used for RARF submissions

* Should this be mandated/need to update to RDWG procedures?
* Should all models associated with a unit be incorporated into one template?
* Potential challenges:
  + Protection relay models that may require multiple instances for the same unit?
  + PPC models where a single instance may apply across multiple units?

**Acceptable/Obsolete Model List Development**

Oncor provided a summary of NERC deprecated models (and ongoing work in NERC SAMS)

NERC staff presented their view of acceptable/not recommended models

* ERCOT cases currently include many NERC deprecated models
* Do we want to develop/publish an “Unacceptable” model list?
* How would such a list be updated/maintained?
* Appropriate binding document for requirements? Planning Guide? Probably need to be carefully worded.

**Specialized Dynamic Models - EMTP (PSCAD) Model**

ERCOT provided a model specification document (as used in the past)

* Should this document be adopted as is or does it require modification?
* Appropriate binding document for requirements? Planning Guide?

Many PSCAD models are only submitted on condition of signing NDA with manufacturer

* Can we implement a rule that PSCAD models are treated as “confidential data” (similar to PSS/e dynamic models) that can be shared among TSPs?
* Really need manufacturer buy-in because they are the ones requiring the NDA – unilaterally implementing a rule will simply mean we won’t receive the necessary models –ultimately, facility owners/developers are responsible for providing models. Is there a way forward?
* Can facility owners/developers help in getting manufacturer buy-in?
* Models submitted in RARF are available to TSPs (who may not have signed an NDA)

**The Requirement and Limitation of User-Defined Dynamic Models (UDM)**

CPS provided a summary of UDM policies in WECC, NEISO and MISO (there are pros and cons to using UDM)

* Should user-written models be accepted/used for ERCOT system models?
* Should UDM only be accepted with conditions (i.e. must also submit model documentation/control blocks)?
* Appropriate binding document for specifying requirements? Planning Guide?
* Would UDM still be necessary for FIS or other studies?