MOD-032 Implementation Update

PJM Planning Committee
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MOD-032 Overview

- Purpose NERC MOD-032-1
  - To establish consistent modeling data requirements and reporting procedures for development of planning horizon cases necessary to support analysis of the reliability of the interconnected transmission system
- Exists in conjunction with MOD-033-1 and relates to system modeling and validation
- Replaces MOD-010-0, MOD-011-1, MOD-012-0, MOD-013-0, MOD-014-0, and MOD-015-0.1
Requirements 1 and 2

• Requirement 1
  – Requires PC and TP shall jointly develop steady state, dynamic, and short circuit modeling data requirements and reporting procedures for that PC’s planning area.
    • Effective July 1, 2015

• Requirement 2
  – Each Balancing Authority, Generation Owner, Load Serving Entity, Resource Planner, Transmission Owner, and Transmission Service Provider shall provide SS, dynamics, and SC modeling data to its TP and TC according to R1
    • Effective July 1, 2016
Requirement 1 Approach

- Drafted data collection and procedure document outlining how TOs, GOs, LSEs, and PJM will be compliant with MOD-032
  - Current Document available on PJM.com MOD-032 web page:
Requirement 2 Approach

• Model On Demand
  – Siemens software used by TOs and PJM to upload updates to model topology, load, generation
  – Will be used to build SS and dynamics case topology

• Planning Center: Gen Model
  – Web application developed by PJM
  – Each GO must log to:
    • Provide required data
    • Verify or update previous years data
  – PJM will review submitted data and use for steady state, dynamics, and short circuit models
Planning Center: Gen Model

• Application went live May 1, 2016
• Window for 2016 submission will close July 31, 2016
• Users will gain access via pjm.com log on
  – PJM asks that those seeking access contact their CAM Administrator to request Gen Model Read/Write Access
  – Any issues please contact MOD-032@pjm.com

• Planning Center eTools Page
    • Contains links to Gen Model User Guide and Gen Model video demo
Facilitation of Bulk Upload

• Due to PJM resource restrictions, PJM can offer bulk upload to GOs submitting 30 or more plants
  – GOs will be able to fill out excel template for entire fleet and email to PJM
  – Please contact MOD-032@pjm.com for inclusion of bulk upload feature
PJM asks that GOs submit dynamics modeling data via upload feature in Gen Model
  - .dyr file, word and excel documents excepted

Submissions from previous years MOD-012 submittals will be accepted
Issues with CAM accounts

- PJM granted access to accounts and sub-accounts they anticipated needing Gen Model Access.
- CAM administrators can authorize access:
  - For those accounts that the CAM is not able to grant Gen Model Read/Write access please contact MOD-032@pjm.com.