

Approved by the MRO Model Building Subcommittee on 11/16/2011

Please Note

**** Tasks shown in blue font are to be completed by the Data Representatives. ****

****Tasks shown in red font are to be completed by MISO Staff. ****

MOD Base Case Reviews November 2011 – January 2012

Data Request Sent Out by Email December 9, 2011

¹Data Request Confirmation Due December 23, 2011

Company Workbooks Due January 13, 2012

MRO Staff Post Company Workbook Reviews January 20, 2012

Finalize Company Workbooks February 3, 2012

² Power Flow (Pass1) data and NERC LTRA Confirmation Due February 17, 2012

Inter-regional Ties Due February 17, 2012

Pass 0 (Pre-Solution)

Post Data Checks from MOD February 21, 2012

Corrections for Data Errors Due February 24, 2012

Post Data Checks from MOD February 27, 2012

Corrections For Data Errors Due February 28, 2012

MOD Pass1 Case Create Initiated (post unsolved models) February 29, 2012

Wind Data Due (not a NERC compliance obligation) March 2, 2012

Machine Reactive Capability Data Due (not a NERC compliance obligation) March 2, 2012

Pass 1

Post (Pass1) Solved Power Flow Models (With MBS Selected MMWG Externals) March 14, 2012

Post Dynamics Data for Review March 14, 2012

Dynamics Review Complete Confirmation Due **March 19, 2012**

Initial start/run of Dynamics Data (errors flagged by DYRE) March 20, 2012

MRO Staff Post Dynamics Review Results March 30, 2012

Corrections to Dynamics Data Due **April 6, 2012**

³Changes to Pass 1 Models and Confirmation Due **April 6, 2012**

Pass 2

MOD Pass2 Case Create Initiated April 9, 2012
(With MBS Selected MMWG Externals)

Post (Pass 2) Solved Power Flow Models April 20, 2012
(With MBS Selected MMWG External)

Post ACCC and DCCC Results April 27, 2012

Changes to Pass 2 Models and Confirmation Due **May 4, 2012**
(IDEV updates and the same update to MOD)

Pass 3

Post (Pass 3) Solved Power Flow Models May 11, 2012

Post Dynamics Data Results (Checked Against Pass 3 Models) May 25, 2012

MBS Power flow and Dynamic Documentation Due **May 25, 2012**

Final

Changes to Dynamics and Confirmation Due **June 8, 2012**

Final Series Power flow Models and Documentation Posted July 6, 2012

MRO Submits Power flow Model Data to ERAG MMWG July 6, 2012
(Deadline for MRO to meet NERC Compliance)

⁴Begin Benchmarking of **Power flow** and Dynamic Models July 9, 2012

Dynamics Package and Documentation Posted July 13, 2012

Dynamics Data Package submitted to ERAG MMWG October 15, 2012

1. The Data Representative must confirm receipt of the data request and review of the project schedule.
2. The power flow and dynamic data is due by February 17. The NERC LTRA confirmation is simply a statement that your company's load forecast, which is represented in the models, is consistent with the NERC LTRA data submission. The model loads can differ from the NERC LTRA data for any valid reason such as your company adopting a revised forecast since the latest NERC LTRA data submission.
3. Each Data Representative must review all models and fix any modeling errors by April 6. The review of Pass 1 models should fix all known errors, and the subsequent review of the Pass 2 models should confirm that the models are correct or require minor corrections. Significant corrections to the Pass 2 models will necessitate the Data Representative receiving MBS approval prior to the change being implemented, since such changes will force the posting of Pass 3 models for a general review.
4. MRO Staff will perform benchmarking of the Power Flow and Dynamics models. The benchmarking results will be part of the model documentation.
5. The dates for dynamic data submittal and review are subject to change. The MRO will be utilizing the MMWG System Dynamics Data Base (SDDB) for building the 2012 Series dynamic models. A separate document containing instructions for dynamics data submittal will be provided at a later date.