

DRAFT AGENDA
MIDWEST RELIABILITY ORGANIZATION
Model Building Subcommittee

Holiday Inn Select, Bloomington, MN
August 26th, 2009 – 9:00 AM – 4:00 PM

- 1. Call to Order**
- 2. Determination of Quorum**
- 3. Standards of Conduct and Anti-Trust Guidelines**
- 4. Consent Agenda**
 - a. *Approve Meeting Minutes from May 21st, 2009, [Attachment 4a]*
- 5. Chairman's Report**
- 6. 2009 Series Development**
 - a. *Wrap Up*
 - 1) *Power flow models*
 - 2) *Dynamic models*
 - i. *Generators without dynamics data [Attachment 6a2i]*
 - 3) *Model Documentation*
 - 4) *Should the Data Compliance table be posted for member's use on compliance?*
 - 5) *Report on collection of generator reactive capability data [Attachment 6a5]*
 - 6) *Report on wind data collection [Attachment 6a6]*
- 7. NERC Inquiry About Zero Impedance Lines in 2008 Series**
 - a. *MRO Model Data Inquiry and Review Report [Attachment 7a]*
 - b. *Suggested procedure change to prevent zero-impedance branches in MRO cases: Rating updates will no longer be accepted by IDEVs unless,*
 1. *Executed through a Python script that parses the branch data to confirm it actually exists before applying the updates,*
 2. *Executed through a Python script to generate updates by reading from the approved MOD spreadsheet format for ratings.*
 3. *PTI has a programmatic method for making the circuit parameter changes that do not create problems.*
 4. *IDEV will be retained with the final models, data submitting companies and MRO staff.*
 - c. *Suggested procedure for the MRO follow up communication response to the NERC Series Model Advisory for model users*
 1. *Follow up communication, specific details in the models*

8. 2010 Series Development

- a. *MBS approval of PSS/E version.*
 - 1. *MAPPCOR – prefers 2010 model building series be built on PSS/E 30.3.3 utilizing the newest Fortran Compiler for dynamics. PSS/E 30.3.2 uses the old Fortran compiler that is no longer available. PSS/E 30.3.3 has two version that is available for use with both old (Compaq) and the new (Intel) compilers.*
- b. *Review Scope of Work [Attachment 8b]*
 - 1. *Solution technique, MRO versus MMWG [Attachment 8b1]*
 - 2. *Status of Nebraska companies in the MRO 2010 Series.*
 - 3. *Development of Dynamics Model*
 - 4. *Development of Short Circuit Model*
 - i. *TPL-01-1 requires a short circuit model*
- c. *MOD Base Case Update – schedule, approach, and fixing known errors [Attachment 8c]*
- d. *Enhancements to Workbook*
 - 1. *Specify slack bus generator, by model, to be incorporated into the DNI idevs.*
 - 2. *Estimated system losses – a few estimates must be closer to calculated losses.*
 - a. *Use previous series data for estimates (SUBS,OPT)*
 - 3. *Inclusion of individual generators with note identifying remote generation.*
- e. *Incorporation of Cornbelt into the WAPA BA.*
 - 1. *Review MRO Numbering Scheme [Attachment 8e1]*
- f. *Review rating definitions per Gerry's comment. [Attachment 8f]*
- g. *Enhanced use of PSS/E Features*
 - 1. *12 character bus names and continued use of the voltage code in the bus name.*
 - 2. *FERC Data Dictionary, English substation names can be applied in MOD*
 - 3. *Line length data (note that there is a decimal limit of 3 characters)*
 - 4. *Other data?*
- h. *Review model building process and consider enhancements [Attachment 8h]*
 - 1. *Insert Desired Net Interchange values into Pass 1 models.*
 - 2. *If models solve quickly (Pass1) consider using free time for more advanced model data checking.*

9. Other Business

- a. *Modeling of Wind Generators*
 - 1. *Modeling Responsibilities of Wind Generator Owners*
 - 2. *Update on web cast held on July 16th*
- b. *Approve changes to the power flow manual (document organization changes from Laura Elsenpeter and Wind Manual insertion from Gerry Lane) [Attachment 9b]*
 - 1. *Data Request Package [Attachment 9b1]*
- c. *Identify other changes to the power flow manual*
- d. *Report on PTI's effort to update the MRO DC User written models to PSSE Rev 31 (MH, GRE, WAPA, and MP)*
- e. *Comments/Discussion on PTI Meeting (August 27, 2009)*

10. Reports

- a. *MRO Modeling Contractor Report – Loren Mayer*
 - 1. *General review of MOD case create and process (reference process flow charts)*
 - i. *How many test (Pass) postings are enough (two)?*
- b. *ERAG MMWG – Kerry Marinan*

11. Next meeting

- a. *MBS – October 27th.*
- b. *RAC – September 2nd*

12. Adjourn

Agenda Item 3: Standards of Conduct and Anti-trust Reminder

Standards of Conduct Reminder

FERC Standards of Conduct prohibit Midwest Reliability Organization from sharing non-public transmission sensitive information with anyone who is either an affiliate merchant or could be a conduit of information to an affiliate merchant.



Anti-trust Reminder

Participants in Midwest Reliability Organization meeting activities must refrain from the following when acting in their capacity as participants in Midwest Reliability Organization activities (i.e. meetings, conference calls, and informal discussions):

- Discussions involving pricing information; and
- Discussions of a participant's marketing strategies; and
- Discussions regarding how customers and geographical areas are to be divided among competitors; and
- Discussions concerning the exclusion of competitors from markets; and
- Discussions concerning boycotting or group refusals to deal with competitors, vendors, or suppliers.

