

**AGENDA**  
**MIDWEST RELIABILITY ORGANIZATION**  
**Model Building Subcommittee**  
Ramada Mall Of America, Bloomington, MN  
May 15th, 2007 – 9:00 AM – 4:00 PM

**Dial In Number: 866-390-4645**  
**Conference ID: 84513**  
**Conference PIN: 9280**

- 1. Call to Order**
- 2. Determination of Quorum**
- 3. Standards of Conduct and Anti-Trust Guidelines**
- 4. Consent Agenda**
  - a. *Approve Meeting Minutes from February 6<sup>th</sup> & 7<sup>th</sup>, 2007  
See Attachment 4a [Meeting Minutes from 2/06]*
- 5. MBS Membership Issues – Alan Burbach**
  - a. *Action Item: Recommend to the RAC that they appoint Kerry Marinan to replace Jay Porter as a Wisconsin (i.e., ATC) representative on the MBS. The RAC next meets on May 16th.*
  - b. *Information only: Update on a replacement for Wayne Haidle (Dakotas Member)*
  - c. *Information only: RAC will be replacing Salva Andiappan as the MRO representative on the ERAG MMWG.*
  - d. *Discussion Item: Identify a new candidate for Vice Chairman of the MBS replacing Randy Oye, and inform RAC Chairman that he needs to make this appointment.*
- 6. Status Report on MRO 2007 Series Models – Rao Konidena**
  - a. *Update on Power Flow & Dynamic Model Development*
  - b. *Lessons Learned*
- 7. MBS Feedback on Model Building Process – All**
  - a. *See attachment 7a [MBS Feedback On Model Building Process]*
- 8. Development of the MRO 2008 Series Models**
  - a. **Action Item:** *Agree on PSS/E Version and list of Models.*  
  
*By June 30th of each year, the MRO and MISO will agree, in writing, to a list of Models to be provided by MISO and to the PSSE version to use for the Models.  
See attachment 8a - list of MMWG models (will be determined at MMWG's April meeting)*
  - b. *Use the MMWG DC tie numbering for the next series?*
  - c. *MRO-MISO Model Build Proposed Schedule – Kerry Marinan*

*See Attachment 8c [MRO-MISO modeling schedule proposal]*

- d. *Future of MISO MBWG?*
- e. **Action Item:** *Approve the 2008 Series Work Plan, including model building schedule.  
See attachment 8e1 [MISO Scope of work proposal]  
See attachment 8e2 [MRO Scope of work proposal]*

**9. Review Request for Model Updates to be Submitted to MMWG**

- a. *Due Date is June 1st.*

**10. Review Request for Data Reps to Provide Bus Number Translation Files**

- a. *From email vote 3/21/07:  
Motion: Hamish Wong moved “I would move that the proposed re-numbering scheme, with MEC changes incorporated, be approved by the MBS.”, and Dan Custer seconded the motion. The motion passed with 7 votes in favor, 0 votes against, and 4 votes not cast.*
- b. **Action Item:** *Approve changes to Bus Renumbering Method  
See Attachment 10b1 [MRO-NewBusNumRanges]  
See Attachment 10b2 [Changes to Renumbering Method]*
- c. *Due Date is June 1st.*

**11. MRO Model Building Procedural Manual**

- a. **Action Item:** *review and approve any changes to this manual  
See Attachment 11a [MBS Manual]*

**12. Reports**

- a. *WGMTF – Gerry Lane*
  - i. *Approval of Data Collection Spreadsheet  
See Attachment 12ai [Wind Gen. Data Collection Spreadsheet]*
  - ii. *Convention for Wind Generator ID*
  - iii. *PSSE compatibility for generic wind models*
  - iv. *Wind dispatch levels*
- b. *ERAG MMWG – Salva Andiappan*

**13. Other Business**

**14. Old Business**

- a. *Enhancement of the MOD data submitter/documentation manual including the possible addition of a summary action list from the data submitter perspective. – Gerry Lane*
- b. *The NERC System Protection Coordination Task Force has recommended that MOD-11-0 include the collection and maintenance of short circuit data. The MRO will need to collect this data if it becomes part of the NERC Reliability Standards, possibly beginning with the 2008 Series. The MBS will monitor any developments with this issue.*

**15. Next meeting**

- a. *MBS: July 17th, 2007 – Ramada Mall Of America, Bloomington, MN  
(Other meeting October 17th)*
- b. *RAC: May 16th, 2007 – Ramada Mall Of America, Bloomington, MN*

*(Other meetings September 5th and November 6th)*

**16. Adjourn**

## Agenda Item 2: Determination of Quorum

### MRO Model Building Subcommittee Roster

Name	Geographic Area	Mailing Address	Phone/Fax	E-mail Address
Gerry Lane	Canada	Manitoba Hydro 820 Taylor Avenue Winnipeg, Manitoba R3C 2P4 Canada	P: 204.474.4825 F: 204.477.4606	<a href="mailto:gblane@hydro.mb.ca">gblane@hydro.mb.ca</a>
Kristian Samoila	Canada	Saskatchewan Power 2025 Victoria Avenue Regina, Saskatchewan S4P 0S1 Canada	P: 306.566.2166 F: 306.566.2548	<a href="mailto:ksamoila@saskpower.com">ksamoila@saskpower.com</a>
TBD	Dakotas	Montana-Dakota Utilities 400 North Fourth Street Bismarck, ND 58501	P: 701.222.7907 F: 701.222.7806	<a href="mailto:wayne.haidle@mdu.com">wayne.haidle@mdu.com</a>
Holli Krizek	Dakotas	Western Area Power Administration U.S. Department of Energy 2900 Fourth Avenue N Billings, MT 59107-5800	P: 406.246.7435 F: 206.247.7408	<a href="mailto:krizek@wapa.gov">krizek@wapa.gov</a>
Abul Shuvo	Iowa	Alliant Energy 200 First Street SE Cedar Rapids, IA 52406-035	P: 319.786.4279 F: 319.786.4834	<a href="mailto:abulshuvo@alliantenergy.com">abulshuvo@alliantenergy.com</a>
Dan Custer	Iowa	MidAmerican Energy Company 106 East Second Street Davenport, IA 52801	P: 563.333.8162 F: 563.333.8023	<a href="mailto:decuster@midamerican.com">decuster@midamerican.com</a>
Dave Kempf	Minnesota	Great River Energy 17845 East Highway 10 Elk River, MN 55330-0800	P: 763.241.2386 F: 763.241.2366	<a href="mailto:dkempf@grenergy.com">dkempf@grenergy.com</a>
Srinivas Vermuri	Minnesota	Xcel Energy 414 Nicollet Mall Minneapolis, MN 55401-1993	P: 612.330.6430 F: 612.337.2380	<a href="mailto:srinivas.vermuri@xcelenergy.com">srinivas.vermuri@xcelenergy.com</a>
<b>Alan Burbach, Chair</b>	Nebraska	Lincoln Electric System 1040 "O" Street Lincoln, NE 68508-0869	P: 402.473.3374 F: 402.475.1716	<a href="mailto:aburbach@les.com">aburbach@les.com</a>
Dustin Betz	Nebraska	Nebraska Public Power District 1414 15th Street Columbus, NE 68602-0499	P: 402.563.5313 F: 402.563.5551	<a href="mailto:dbetz@nppd.com">dbetz@nppd.com</a>
Hamish Wong	Wisconsin/ Michigan	WPS Resources. 600 North Adams Street Green Bay, WI 54307-9002	P: 920.433.1287 F: 920.433.1009	<a href="mailto:hwong@wpsr.com">hwong@wpsr.com</a>

Rao Konidena	Liaison MISO	Midwest ISO 1125 Energy Park Drive St. Paul, MN 55108-5001	P: 651.632.8401 F: 651.632.8417	<a href="mailto:rkonidena@midwestiso.org">rkonidena@midwestiso.org</a>
TBD	Liaison PAC			
Dan Burns	Liaison RTC	Central Iowa Power Coop. 1400 Highway 13 SE Cedar Rapids, IA 52406	P: 319.366.4512 F: 319.366.6328	<a href="mailto:dan.burns@cipco.org">dan.burns@cipco.org</a>
Adam Flink	Secretary	Midwest Reliability Organization 2774 Cleveland Avenue N Roseville, MN 55113	P: 651.855.1705 F: 651.855.1712	<a href="mailto:ad.flink@midwestreliability.org">ad.flink@midwestreliability.org</a>
<b>MRO Exploder List</b>	<a href="mailto:mrombs-mem@midwestreliability.org">mrombs-mem@midwestreliability.org</a> <a href="mailto:mrombs@midwestreliability.org">mrombs@midwestreliability.org</a>			

## 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.

