



MEETING MINUTES MIDWEST RELIABILITY ORGANIZATION

Planning Committee

Crowne Plaza Hotel & Suites, Bloomington, MN

August 24, 2011 - 8:30 am

1. Call to Order

Chair Mazur called the meeting to order at 8:30 am.

2. Determination of Quorum

Chair Mazur asked for introductions from the committee members and guests.

Chair Mazur determined that a quorum was present.

The following PC members, guests, and staff were present:

Members:

Ron Mazur, Chair, MH

Hoa Nguyen, MDU

Hamish Wong, WPS

Dale Burmester, ATC

Gerry Steffens, RPU

Dave Rudolph, BEPC (phone)

Guests:

Larry Brusseau, MAPPCOR

Amr Eldamaty, SaskPower

Wayne Guttormson, SaskPower

Alan Burbach, LES (phone)

Dave Duebner, MISO (phone)

George Sweezy, Minnesota Power

Staff:

John Seidel

Dan Schoenecker

Laura Couillard

Kristine Hutchens

Members Absent:

Dennis Flrom, LES

Gayle Nansel, WAPA

Jay Porter, GRE



3. Standards of Conduct and Anti-Trust Guidelines

Mr. Seidel reviewed the Standards of Conduct and Anti-Trust Guidelines with the meeting attendees.

4. Consent Agenda

a. Approve Meeting Minutes from May 18, 2011 Meeting

Chair Mazur asked the members if there were any requests for changes to the meeting minutes, and if not, requested a motion to accept the minutes as written.

Upon motion duly made by Mr. Burmester and seconded by Mr. Wong, the Planning Committee unanimously approved the May 18, 2011 Planning Committee meeting minutes as written.

5. Chairman's Report - Ron Mazur

Item was inadvertently omitted

6. Planning Committee 2011 Membership

a. Planning Committee Charter

Mr. Schoenecker explained the changes to Policy and Procedure 3 that are to be reviewed and approved at the upcoming Board of Directors meeting. In light of this, the committee reviewed and discussed their charter and made the one change as noted in red in Attachment 1.

Upon motion duly made by Mr. Wong, and seconded by Mr. Burmester, the Planning Committee unanimously approved the charter as amended.

b. 2011 Membership

i. Open Seats: GPM Sector and Large End-Use Electricity Customer Representation on PC

The committee will solicit membership for these seats after the Board of Directors meeting on September 22, 2011. Vice Chair Steffens will follow up with his contact within the LEU sector.

ii. Open Seats: MRO Representative on the NERC Geomagnetic Disturbance task Force (GMDTF)

Mr. Eldamaty will look into a possible representative from SaskPower and will forward the name to Chair Mazur.

iii. Discuss action to fill the seats

iv. Committee Liaisons

7. NERC/RAPA Activities

a. Update on SPS Activity by NERC

Mr. Seidel provided the committee with an update based upon the "Comments on the Proposed Draft SPS Criteria for Use by all Regional Entities" within the Agenda Packet. The NERC SPCS and NERC TIS are jointly reviewing the SPS criteria as proposed by the RAPA group



and Transmission Forum group and plan to present a proposal to the NERC PC at their December 2011 meeting. At this point, it has not been determined if the future criteria will be implemented by following the standards process or the CANS process. The goal is that all regions would be comparable.

b. Review of SPS Schedule

Mr. Seidel stated that this is still on the original schedule as previously decided by the PC, and will remain on the agenda for the next meeting. However, MRO has requested that the owners of the remaining SPSs (that are yet to be reviewed) send in their latest study work, justification, and coordination efforts for these SPSs.

c. Power Flow and Dynamic Model Development and Validation

The committee reviewed the report provided by Mr. Salva Andiappan in the Agenda Packet and Chair Mazur encouraged the committee to submit comments to the NERC whitepaper.

The committee recessed for a break at 9:58 am.

The committee reconvened from break at 10:14 am.

8. PC NERC Assessments

a. Update on NERC Reliability Assessments

i. 2011 LTRA

Mr. Andiappan's report was included in the Agenda Packet. Mr. Nguyen also referred to his June report on the Reliability Assessment Subcommittee (RAS) in connection to the LTRA.

ii. Scenario and Special Assessments

Mr. Andiappan's report was included in the Agenda Packet. The committee discussed the NERC 2011/12 Special Reliability Assessment.

iii. Demand Response Availability Data System (DADS)

Mr. Andiappan's report was included in the Agenda Packet.

9. Subcommittee and Task Force Charters and Reports

a. Model Building Subcommittee (MBS)

Model Building Subcommittee (MBS) Chair Alan Burbach, via telephone, highlighted his report included in the Agenda Packet.

In regard to membership, Mr. Luke Erichsen (MEC) has informed the MBS that he will leave the subcommittee once his replacement has been approved by the PC. MEC has offered Mr. Daniel Rathe as Mr. Erichsen's replacement. Mr. Rathe is currently a MBS Data Rep.

Upon motion duly made by Mr. Nguyen, and seconded by Mr. Burmester, the Planning Committee unanimously approved Mr. Rathe's membership in the Model Building Subcommittee.



Thereafter, the committee continued discussion on the MBS report and the difference between Power Flow and Dynamics data. Chair Mazur requested that the MBS provide the final results to the PC regarding the differences between Pmax in the powerflow vs. Pmax in the dynamics model.

Lastly, the MBS will discuss the revision of their charter at their meeting on September 13, 2011.

b. Transmission Assessment Subcommittee (TAS)

Mr. Terry Torgerson's report was included in the Agenda Packet stating that has not had a meeting in 2011.

Mr. Seidel added that the TAS charter will be reviewed before the next PC meeting.

c. SPS Review Team

Mr. Terry Torgerson's report was included in the Agenda Packet. Mr. Wayne Guttormson, a member of the SPSRT, also informed the committee that there are currently no outstanding items or issues.

As with the TAS, the SPSRT charter will be reviewed prior to the next PC meeting.

d. Generator Testing Review Task Force (GTRTF)

No report was provided.

10. Midwest ISO Updates

Mr. Dave Duebner of MISO reported on the studies and reports currently posted for review.

11. MRO Committee Updates

a. Compliance Committee Activity

The committee recessed for lunch at 11:43 am.

The committee reconvened at 12:37 pm.

b. Standards Committee Update

Mr. Dave Rudolph verbal report highlighted the Subject Matter Expert (SME) groups that had presented at the Reliability Conference in June. The Standards Committee was scheduled to meet the next day, August 25, 2011.

12. Standards Update

a. PRC-006-1 Update, UFLS

Mr. Seidel's report was included in the Agenda Packet and reminded the committee of the letter from MRO President, Dan Skaar, to the Planning Coordinators in regard to UFLS standards and the transfer of responsibility from the RRO to the Planning Authority. MRO plans to coordinate



a 5-year review of the existing UFLS program to meet the RRO requirements within PRC-006-0. This review is expected to be completed by March 2012.

b. PRC-023 Update, Line Loadability

Mr. Larry Brusseau stated that no further information has become available since the report was submitted to FERC and that a field test would be next based upon the established criteria. The committee also discussed what methodology is used in Appendix 2 of version 2.

c. BES Definition

A NERC webinar is currently scheduled for September 28, 2011 to discuss the definition.

d. TPL-001-2 Review

Chair Mazur reported that NERC approved TPL-001-2 without discussion and it is now awaiting approval by FERC.

13. Eastern Interconnection Reliability Assessment Group Reports

a. ERAG Management Committee

Mr. Andiappan's report was included in the agenda packet.

b. Multiregional Modeling Working Group (MMWG)

No report was provided.

14. NERC Reports

a. Reports

i. Planning Committee (PC)

Mr. Burmester provided highlights from his report included in the agenda packet.

ii. Data Coordination Working Group (DCWG)

No report was provided.

iii. Demand Response Data Task Force (DRDTF)

Ms. Laura Couillard provided an update that was included in the agenda packet. This group will reconvene on June 2011.

iv. Integration of Variable Generation Task Force

No report was provided.

v. Load Forecasting Working Group (LFWG)

Mr. Kerry Kaseman and Mr. Dennis Jackson informed the committee that there was nothing new to report. Given the restructuring of NERC committees, the LFWG has been disbanded. Chair Mazur thanked the group for their service.

vi. Reliability Assessment Subcommittee (RAS)

Mr. Nguyen's report on the June 28-30 RAS meeting that was included in the agenda packet. His more recent report from the August 16-17 RAS meeting was handed out to



the committee. Mr. Nguyen highlighted the 2011 LTRA regional assessments as well as the recent changes in NERC committee structure.

vii. Resource Issues Subcommittee (RIS)
No report provided.

viii. Transmission Issues Subcommittee (TIS)
No report was provided at the time of the meeting.

15. Other Business

a. NERC Integrated Reliability Index (IRI) Workshop

Ms. Couillard presented slides of a high level of overview on the components used in the equation for calculating the IRI. The NERC draft Whitepaper was attached to the Agenda Packet and another webinar will be held at the September.

b. Vice Chair Steffens Retirement

Vice Chair Steffens announced his retirement and informed the committee that this was his last meeting. Chair Mazur thanked Mr. Steffens for his participation over the years. The Chair further requested volunteers from the committee membership to fill the position of Vice Chair.

16. Next Meetings

<u>Date</u>	<u>Group</u>
September 22	MRO Board of Directors meeting
September 13	MRO Model Building Subcommittee
November 16	Face-to-Face PC meeting at MRO
November 15	MRO Model Building Subcommittee
December 15	MRO Board of Directors meeting

17. Adjourn

Having no further business, Chair Mazur asked for a motion to adjourn the meeting at 2:00 pm.

Upon motion duly made by Vice Chair Steffens, and seconded by Mr. Wong, the Planning Committee unanimously approved to adjourn the meeting.



ATTACHMENT 1

MRO PLANNING COMMITTEE CHARTER

August 24, 2011

I. Purpose

The MRO Planning Committee's (MRO PC) purpose is to provide a forum for review and discussion of bulk power system planning issues and to address the reliability related activities required by MRO and NERC Reliability Standards. Areas that the PC and its sub-groups focus on include: transmission adequacy and security, resource adequacy, integration of renewable generation, electric system modeling data, Eastern Interconnection Reliability Assessment Group (ERAG), NERC and regulatory data requests, and reviews of regional reliability criteria and procedures.

II. Membership

Pursuant to Policy and Procedure 3 (Organizational Groups), membership of organizational groups shall be determined based upon experience, expertise and geographic diversity and to the extent practicable, shall include a balanced representation of the sectors. As such, the MRO PC is comprised of one to two members from each sector, providing a balanced representation of the sectors.

III. Key Objectives

- Review and verify that the procedures and guidelines conform to NERC Reliability Standards.
- Annually review the overall reliability of the MRO region and interregional bulk electric system for near-term and long-term planning horizons and provide planning horizon (LTRA) assessment reports to the board and NERC.
- Annually (or as often as required by NERC) assess the MRO region for an emerging issue/scenario as determined by NERC and/or the MRO Board.
- Perform special reliability assessments on a Regional, Interregional, and Interconnection basis as conditions warrant, or as directed by the board or NERC.
- Annually prepare an MRO set of electric system modeling data ~~as determined by the Model Building Subcommittee.~~
- Perform all Regional Entity responsibilities associated with the existing and future NERC Reliability Standards, as they apply to MRO.



- Participate in and support all MRO Subcommittees, Working Groups and Task Forces that report to the MRO PC.
- Participate in and support the ERAG Management Committee, Steering Committees and Working Groups that reports to the ERAG.
- Participate in and represent the MRO region in all NERC groups, as required that report to the NERC PC.

IV. Meetings

The MRO PC will meet quarterly or as necessary, in person or via conference call and/or web meeting. Meetings of the MRO PC are open to public attendance; however, the meeting may be called into executive session by the chair or vice-chair. Additional meeting requirements related to agendas and minutes, voting and proxy, and rules of conduct are outlined in MRO Policy and Procedure 3, Organizational Groups.

V. Costs

Meeting costs incurred by MRO PC members are reimbursable by MRO according to MRO Policy and Procedure 2, Expense Reimbursement.

VI. Reporting Requirements

The chair of the MRO PC, or designate, will provide a written and/or oral report describing the activities and actions of the committee quarterly to the MRO Board of Directors. Annually each November, the committee shall perform a review of this charter and the committee's overall purpose and key objectives to ensure that committee is efficient and effective in its operations and according to its purpose. The chair shall provide a summary report, including a statement of its conclusions, to the board at the annual meeting.