



FINAL MEETING MINUTES
MIDWEST RELIABILITY ORGANIZATION
Reliability Assessment Committee
Holiday Inn Select, Bloomington, MN
November 18, 2009 – 8:30am – 3:30pm

1. Call to Order

Chairman Nguyen called the meeting of the Reliability Assessment Committee to order at 8:30am. Mr. Nguyen announced that this is his last meeting as Chairman and Mr. Mazur will be chairing the meeting.

2. Determination of Quorum

Mr. Mazur asked for introductions from the committee members and guests. Mr. Seidel determined that the quorum was met at 8:33am.

The following RAC members, guests and staff were present:

Members:

Hoa Nguyen, Chair, MDU
Ron Mazur, Vice Chair, MH
Dennis Florom, LES
Hamish Wong, WPS
Dale Burmester, ATC

Jay Porter, GRE
Dave Rudolph, BEPC (phone)
Gayle Nansel, WAPA
Gerry Steffens, RPU

Guests:

Stuart Hughes, SPC
Wenchun Zhu, ATC (phone)
Greg Pieper, XCEL (pm only)
Alan Burbach, LES (phone)
Tom Webb, WPS (am only)
Chris Plante, WPS (am only)
Earl Cass, WAPA (Liaison from
Compliance Committee, am only)
Amr Eldamaty, SPC
Wayne Guttormson, SPC

Dave Duebner, MISO
Larry Brusseau, MAPPCOR (phone)
Terry Torgerson, DPC
Larry Larson, OTP (Liaison from
Standards Committee)
Deven Bhan, WAPA (am only)
Tim Owens, NPPD (phone)

Staff:

John Seidel
Salva Andiappan
Jennifer Matz

Jo Anne McNabb
Dan Schoenecker

Members Absent:

Kavita Maini, WIEG



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 of September 2, 2009 Meeting*

Upon motion duly made by Mr. Steffens and seconded by Mr. Burmester, the Reliability Assessment Committee unanimously approved the minutes of the Sept 2, 2009 RAC meeting as written.

- b. *Approve Meeting Minutes of September 28, 2009 Conference Call*

Upon motion duly made by Mr. Wong and seconded by Mr. Burmester, the Reliability Assessment Committee unanimously approved the minutes of the September 28, 2009 conference call with changes noted.

5. Chairman's Report - Hoa Nguyen

Mr. Nguyen provided his chairman's report to the committee, highlighting several new additions to the MRO Board of Directors.

6. Reliability Assessment Committee 2010 Membership

- a. *Election of RAC Vice Chairperson*

Mr. Mazur opened the discussion to the committee on election of a new Vice Chair by asking for nominations. There were no nominations provided by the Committee.

- b. *2010 Membership*

Ms. Matz provided the committee with an update of the sector elections.

7. MRO Reliability Assessment Group Activities – Update - John Seidel

Mr. Mazur called for discussion on the following items listed below:

- a. *MRO and SPP Coordination of Nebraska Companies*

Mr. Seidel presented a brief power point presentation on the proposed data reporting for reliability assessments for entities located within the regional entity boundaries. It was stated that the Nebraska companies might be included in the SPP LTRA and Summer Assessments for 2010. A conference call between the Nebraska companies, SPP and MRO will be set up in early December to discuss this issue.



b. *Update on Recommendations from Sept 18, 2007 System Event Report*

Mr. Seidel provided an update on the recommendations sent out to the registered entities. He informed that MRO has received responses from all entities. MRO staff will continue to provide quarterly reports to the Board of Directors until all activities related to the recommendations are completed.

c. *Existing UFLS Program- Excel Engineering Report and Recommendations*

Mr. Seidel informed the committee of the letter MRO will send to registered entities outlining two recommendations to consider. MRO is asking entities to consider replacing electromechanical relays, and ensuring that entities have evidence of their 3 steps of 10% load shed. Mr. Seidel stated that he would send out the letter to the RAC members for review before sending out to all entities.

d. *System Event Analysis:*

- *7-30-09 Event - Accept Final Report*

Mr. Seidel referred the committee to the power point slides presented at the meeting regarding the July 30, 2009 System Event Analysis Report.

- *8-29-09 Event - Ongoing*

Mr. Seidel updated the committee on the progress of the August 29, 2009 event analysis. He summarized that the event analysis team met on November 9 for the first time and discussed the root cause. Mr. Seidel's goal is to have a rough draft of the report by mid-January 2010, and the final draft completed for the Board of Directors meeting in March 2010.

The Committee recessed at 10:10am.

The Committee reconvened at 10:25am.

e. *WPS Crane Creek Wind Plant SPS – Terry Torgerson/John Seidel*

Mr. Seidel reviewed the MRO Guideline for SPS review with the committee.

Mr. Plante provided a brief update to the committee on the background of the Power Reduction Scheme, and why WPS does not believe this SPS affects the BES. Mr. Plante's PowerPoint presentation is included with these minutes as Attachment #1.



Mr. Torgerson provided highlights of his revised TAS Report, which is included with these minutes as Attachment #2, on the Crane Creek Wind Plant SPS. He summarized that the SPS review team had mixed opinions on whether the WPS Crane Creek Wind Plant meets the definition of an SPS.

Mr. Schoenecker outlined the MRO registration process that includes entities registering facilities that are part of the BES. He stated that the BES registered facilities are subject to the requirements of reliability standards. WPS informed the committee they would ask NERC to clarify the definition of an SPS to determine if it must impact the BES to be under the purview of the MRO and subjected to NERC Standards.

Mr. Mazur recommended that the RAC and MRO staff take no action regarding the WPS proposed SPS query letter until clarification of the SPS definition is provided by NERC. The RAC agreed that it is the responsibility of the owner to identify an SPS on its system and ensure that the MRO has record of it.

The committee recessed for lunch at 12:15pm.
The committee reconvened at 12:53pm.

8. Proposed New RAC Operating Subcommittee – John Seidel/Hoa Nguyen

Mr. Nguyen informed the committee of the board proposal to create an operating subcommittee under the RAC. The Board of Directors expressed the desire that the MRO may need an operations group to address operating issues adequately. The Board suggested that the MRO consider forming an operating group, either as another standing committee or as a subcommittee of the RAC. The RAC raised concerns about staffing another standing committee and the possibility of there not being enough work for an Operations Committee.

Mr. Schoenecker recommended the RAC put together a report to present to the Board outlining their concerns.

9. NERC Assessments

a. Coordination of Transmission Reliability Studies in the Long Term Reliability Assessments – All

Mr. Mazur discussed the future of some of the reliability studies. Mr. Seidel noted that if the NERC PC approves the proposed changes to the NERC Reliability Assessment footprints then the regional assessment process for MRO will change.

b. Enhancements to NERC Reliability Assessments Commencing in 2010 - Hoa Nguyen



Mr. Nguyen highlighted items from the letter from Mr. John Moura of the NERC RAS. NERC is requiring the Regions to report individual generating unit-level supply data for the seasonal and long-term assessments, and a post-season reliability assessment. For further information, please see attachment to agenda item 9b of the agenda package.

c. Regional Boundaries for Future NERC Assessments – John Seidel

This agenda item was covered by the committee in agenda item 7a.

d. NERC 2010 Scenario Assessment - Hoa Nguyen

Mr. Nguyen described the upcoming NERC scenario assessments and enhancements. He stated that the NERC RAS has talked about the NERC 2010 scenario assessment, and planned to ask the NERC PC to approve the scenarios.

10. Midwest ISO Updates - Dave Duebner

Mr. Duebner provided highlights to the committee on the MISO MTEP09 analysis that was completed, the Regional Generation Outlet Study that was performed, and the start of the MTEP10 analysis. For more information, please see the attachment for agenda item 10 of the agenda package.

11. Compliance Committee Activity - Compliance Committee Liaison

Mr. Cass attended the Compliance Committee Meeting on November 17. He is stepping down as chair, and Mr. Ken Schlimgen will replace him. The Compliance Committee elected Mr. Dan Klempel as the new Vice Chair. Mr. Cass reminded the RAC of the upcoming MRO compliance workshops in December.

12. Standard Committee Activity - Standard Committee Liaison

Mr. Larson reported that the four regional standards are posted for comments through December 2. The language regarding organizational standards is being removed from the MRO bylaws and will go before the Board of Directors in December for approval.

13. Subcommittee and Task Force Reports

a. *Generator Testing Review Task Force* - Dave Kral

No report provided.



b. *Model Building Subcommittee* - Alan Burbach

Mr. Burbach informed the committee of the revised charter.

Upon motion duly made by Mr. Nguyen and seconded by Mr. Florom, the Reliability Assessment Committee unanimously approved the revised charter of the MBS.

c. *Protective Relay Subcommittee* - Deven Bhan

Mr. Mazur indicated to the committee that Mr. Bhan's report is in the agenda package.

i. Subcommittee Report

ii. Special Protection Systems Review Team

d. *Resource Assessment Subcommittee* - Dave Rudolph

No report provided.

e. *Scenario Assessment Task Force* - Wenchun Zhu

Wenchun stated to the committee that there has been no new activity to report.

f. *Transmission Assessment Subcommittee* - Terry Torgerson

Since the report was discussed in agenda item 7e, there was no further discussion.

14. Eastern Interconnection Reliability Assessment Group Reports

a. *ERAG Management Committee* - Gayle Nansel/John Seidel

Mr. Seidel turned the floor to Mr. Andiappan to review updates of the ERAG/MMWG meeting held on November 4 - 6.

b. *Multiregional Modeling Working Group* - Adam Flink

Mr. Seidel referred the committee to Agenda item 14a of the agenda package for the report.

15. NERC Reports

a. *Data Coordination Working Group* - Dan Jesberg

No report provided.



b. *Demand Response Data Task Force* – Laura Elsenpeter

For the written report, please see Agenda item 15b of the agenda package.

c. *Load Forecasting Working Group* - Dean Hjelle/Dennis Jackson

Mr. Seidel summarized the responsibilities of the group to the committee. Refer to Agenda item 15c of the agenda package for report.

d. *Operating Committee* - Larry Larson

Mr. Larson provided brief highlights about NERC's OC plan and activities.

e. *Operations Review Subcommittee* - Steve Sanders

No report provided.

f. *Planning Committee* - Dale Burmester

Mr. Burmester briefly highlighted NERC PC activities and observations. Mr. Cummings EA team is coming up with a dashboard to provide documents and communication amongst the team. See Agenda item 15f of the agenda package for his report.

g. *Reliability Assessment Subcommittee* - Hoa Nguyen

Mr. Nguyen highlighted his report as Agenda item 15g in the agenda package.

h. *Reliability Metrics Working Group* - Greg Pieper

Mr. Pieper provided updates on the 2009 RMWG report and the recommended metrics. He attended the meeting in September with Ms. Elsenpeter. See Agenda item 15h in the agenda package for more information on metrics.

i. *Resource Issues Subcommittee* – Neal Balu

No report provided.

j. *Resource Subcommittee* – Terry Bilke

Mr. Mazur suggested to the committee to review Agenda item 15j in the agenda package.

k. *System Protection and Control Subcommittee* – Rich Quest

Mr. Mazur suggested to the committee to refer to agenda item 15k of agenda package.



I. *Transmission Issues Subcommittee* - Wenchun Zhu

Ms. Zhu's report, which is included in these minutes as Attachment #3, was distributed at the meeting. The report provided a brief summary of the FIDVR Symposium on September 30 and the NERC TIS Meeting held on October 1- 2.

16. Other Business

No other business

17. 2009-10 Committee Meeting Dates

2009

December 3

MRO Board of Directors Meeting

2010

March 25

MRO Board of Directors Meeting

June 24

MRO Board of Directors Meeting

September 24

MRO Board of Directors Meeting

December 2

MRO Board of Directors Meeting

2010 Proposed MRO RAC Meeting Dates

March 10

MRO RAC Meeting

June 9

MRO RAC Meeting

September 8

MRO RAC Meeting

November 17

MRO RAC Meeting

The RAC agreed to the proposed 2010 MRO RAC meeting dates.

2010 Compliance Meeting Dates From Compliance Committee Meeting

March 9

June 8

September 7

November 16

18. Adjourn

Having no further business, Mr. Mazur adjourned the meeting at 3:35pm.

Upon motion duly made by Mr. Steffens and seconded by Mr. Wong, the Reliability Assessment Committee unanimously approved to adjourn the meeting.