



APPROVED MEETING MINUTES
MIDWEST RELIABILITY ORGANIZATION
Reliability Assessment Committee
Holiday Inn Select, Bloomington, MN
September 2, 2009 – 8:30am – 4:00pm

1. Call to Order

Chairman Nguyen called the meeting of the Reliability Assessment Committee to order at 8:30am.

2. Determination of Quorum

Mr. Nguyen asked for introductions from the committee members and guests.

3. Standards of Conduct and Anti-Trust Guidelines

Chair Nguyen reviewed the Standards of Conduct and Anti-Trust Guidelines with the meeting attendees.

Secretary Seidel determined that a quorum was present at 8:34 am.

The following members, guests and staff were present:

Members:

Hoa Nguyen, Chair, MDU
Dennis Florom, LES
Hamish Wong, WPS
Dale Burmester, ATC

Jay Porter, GRE
Mike Garton, DOM
Gayle Nansel, WAPA
Gerry Steffens, RPU

Guests:

Stuart Hughes, SPC

Wenchun Zhu, ATC (phone)
Greg Pieper, XCEL
Jose Medina, Nextera

Deven Bhan (phone-10:00am–
12:00pm)

Alan Burbach, LES (phone am
only)
Dave Duebner, MISO
Larry Brusseau, MAPPCOR
Terry Torgerson, DPC (phone-
1:00PM)
Larry Larson, OTP (Liaison from
Standards Committee)

Staff:

John Seidel
Salva Andiappan (am only)
Laura Eisenpeter

Jo Anne McNabb
Dan Schoenecker (am only)

Members Absent:

Ron Mazur, MH
Kavita Maini, WIEG

Dave Rudolph, BEPC

4. Consent Agenda

a. *Approve Meeting Minutes of May 20, 2009 Meeting*

Chairman Nguyen referred the Committee to Tab 4 of the agenda packet and called for discussion on the minutes of the May 20, 2009 RAC meeting. Mr. Duebner requested a change under Section 10 which was made to the minutes.

Upon motion duly made by Mr. Steffens and seconded by Mr. Garton, the Reliability Assessment Committee unanimously approved the minutes of the May 20, 2009 RAC meeting as modified.

b. *Approve Meeting Minutes of May 29, 2009 Conference Call*

Chairman Nguyen called for discussion on the minutes of the May 29, 2009 conference call.

Upon motion duly made by Mr. Garton and seconded by Mr. Wong, the Reliability Assessment Committee unanimously approved the conference call minutes of the May 29, 2009 RAC meeting as written.

c. *Approve Meeting Notes of June 8, 2009 Conference Call*

The Committee does not need to approve these notes because there was no quorum and the RAC meeting did not officially take place.

5. Chairman's Report

Hoa Nguyen

Chairman Nguyen referred the Committee to the Chairman's Report under Tab 5 of the agenda. Mr. Nguyen noted that the Board briefly discussed the NERC Reliability 3-Year Assessment. The Board also approved the 2010 Budget. Mr. Nguyen asked Mr. Schoenecker to discuss briefly the MRO Procedures (Fill-in-the-Blanks Standards).

6. MRO Reliability Assessment Group Activities- Update

John Seidel

Chairman Nguyen called for discussion on the following items listed below:

a. *Development of MRO Procedures/Guidelines for NERC Standard*

Mr. Seidel referred the committee to the letter sent to the RAC, TAS, and PRS regarding how MRO Procedures/Guidelines for NERC standards will be handled in the future. The letter, which was included in Tab 6 of the agenda packet, describes which procedures/guidelines will be developed by MRO staff and which will be developed through an MRO subcommittee.

b. *Guideline/Procedure for Event Analysis (EOP-004)*

Mr. Schoenecker outlined how this procedure would be utilized based on the nature of an event.

c. *Guideline/Procedure for Regional UFLS Program (PRC-006)*

Mr. Seidel briefed the committee on the originally posted document and

the updated document. The updated document better describes the existing MRO UFLS program and the obsolete MAPP and MAIN language has been eliminated. Mr. Seidel highlighted one main paragraph on the Obligation to Load Shed. It was pointed out that LSEs presently can coordinate with their neighbors to meet their load-shedding obligation. The existing requirement is three steps of 10% load on an MRO-US aggregate basis. The MRO UFLS Guideline/Procedure is included with these minutes as Attachment #1.

d. *2009 UFLS Data Collection*

Mr. Seidel spoke briefly on the 2009 UFLS data collection. MRO has collected UFLS data on an individual LSE basis.

e. *March, 2007 UFLS Recommendations Report – Adequacy of the Existing Three-Step Program*

Mr. Seidel discussed the existing three-step UFLS program. MRO staff has been asked by NERC and FERC staff to verify that the existing UFLS program is still acceptable and reliable. It was recommended that a third-party review the MRO 2007 UFLS report and assess its adequacy. Mr. Seidel informed the committee that a consultant has been retained to review the report.

f. *MRO and SPP Coordination of Nebraska Companies*

The Nebraska companies became Members of the SPP RTO and SPP Reliability Coordinator on April 1, 2009. Items such as modeling, assessments, periodic data collection, etc., are being coordinated by joint meetings involving MRO, SPP and the Nebraska companies. Mr. Seidel briefly discussed the results of the first joint meeting held, as shown in Attachment #2.

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

Mr. Seidel discussed the status of the recommendations resulting from the September 18, 2007 System Event Report. Letters have been sent out to the applicable entities of 18 recommendations being handled by the MRO. Attachment #3 shows a summary of the results that will be provided to the MRO Board of Directors at its next meeting on September 24, 2009. It is expected such summary will be provided to the Board on an ongoing basis.

h. *Results of MRO Model Data Inquiry Resulting from July 28, 2009 NERC Alert on Modeling Errors*

Mr. Seidel discussed the background of this agenda item. As described in Attachment #4, an MRO inquiry was conducted regarding the modeling errors and the MRO Model Building Subcommittee has identified several changes that will help reduce the risk of this type of modeling error in the future.

7. NERC Assessments

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

Mr. Nguyen discussed this agenda item. Mr. Brusseau stated that the MAPP TRAWG will remain intact for 2010. It was noted that the footprints that the Regional Entities assess may change in the future, so as to allow

data to be collected on a Planning Authority, RTO, and/or Reliability Coordinator basis.

b. *Postmortem of the MRO 2009 Scenario Analysis*

Hoa Nguyen/Mark Lauby

Mr. Nguyen referred the committee to Item 7b in the agenda packet and briefly discussed the MRO 2009 Scenario Analysis report highlighting the three findings of the 2009 Scenario Analysis.

c. *2009-2010 Winter Assessment*

Hoa Nguyen/John Seidel

Mr. Nguyen discussed the 2009-2010 Winter Assessment. The winter assessment is due to NERC by September 30, 2009. MRO data collection was due last week. The RAC will hold a Conference Call on September 21, 2009 at 9:00 am to review and approve the assessment.

8. Midwest ISO Updates

Dave Duebner

Mr. Duebner provided the committee with an update on Midwest ISO activities. The MTEP 2009 study is wrapping up. The dynamics analysis results are being reviewed as well. Voltage stability work was also done in this cycle. Generation availability was also reviewed in this cycle. The Midwest ISO Winter transmission assessment for 2009/2010 will be starting soon and may be completed by mid-October.

9. Compliance Committee Activity

Stuart Hughes

Mr. Hughes briefed the committee on the activities of the Compliance Committee. The most recent meeting was held on September 1, 2009. Feedback from the last Mid-Continent Compliance Forum (MCCF) meeting was positive. The next MCCF meeting is scheduled for December 3, 2009. The MRO plans to make a presentation on the 2010 CMEP at the December 2, 2009 Workshop. The audit schedule for 2010 is now available. MRO has two CIP auditors on board.

10. Standard Committee Activity

Larry Larson

Mr. Larson briefed the committee on the activities of the Standards Committee. The UFLS Drafting Team efforts have been suspended until the NERC UFLS is approved. The four regional standards should be completed and sent back to NERC very soon.

11. Subcommittee and Task Force Reports

a. *Generator Testing Review Task Force*

Dave Kral

No report provided.

b. *Model Building Subcommittee*

Alan Burbach

Mr. Burbach provided a brief overview of his report which is contained in the agenda packet Item 11b. He noted that the dynamic models should be posted no later than next week, which would wrap up the 2009 Model Series.

c. *Protective Relay Subcommittee*

Deven Bhan

Mr. Bhan highlighted committee membership changes which are included in the agenda packet Item 11c. Mr. Bhan also discussed NERC Standard EOP-004.

Upon motion duly made by Mr. Burmester and seconded by Mr. Florum, the Reliability Assessment Committee unanimously approved Mr. Abioudun Olayiwola as the MISO Liaison to the Protective Relaying Subcommittee, replacing Mr. Dede Subakti who had resigned from Midwest ISO.

Mr. Olayiwola's biographic information is included as Attachment #5 to these meeting minutes.

- i. *Special Protection Systems Review Team*
No activity to report.

- d. *Resource Assessment Subcommittee* Dave Rudolph
A brief report was provided in the agenda packet Item 11d.

- e. *Scenario Assessment Task Force* Wenchun Zhu
Ms. Zhu updated the committee on the activities of the SATF. The MRO Scenario Assessment has been submitted to the NERC. The SATF will be dormant until 2010 when a future NERC Scenario Assessment is requested. Ms. Zhu agreed to remain as the SATF chairman.

The Committee recessed at 12:05pm.

The Committee reconvened at 1:05pm.

- f. *Transmission Assessment Subcommittee* Terry Torgerson
Mr. Torgerson discussed his subcommittee report which is contained as agenda Item 11f of the agenda package. He noted that the subcommittee has reviewed three legacy SPS submittals.
- 12. Eastern Interconnection Reliability Assessment Group Reports**
- a. *ERAG Management Committee* Gayle Nansel/John Seidel
Mr. Seidel updated the committee on the activities of the ERAG Management Committee which is outlined in the agenda packet Item 12a.

 - b. *Multiregional Modeling Working Group* Adam Flink
No report provided.
- 13. NERC Reports**
- a. *Data Coordination Working Group* Dan Jesberg
No oral report given.

 - b. *Demand Response Data Task Force* Laura Elsenpeter
Ms. Elsenpeter indicated that the DRDTF report was sent out for comment at the present time, and comments are being collected.

 - c. *Disturbance Analysis Working Group* Salva Andiappan
No report provided.

 - d. *Load Forecasting Working Group* Dan Jesberg
No oral report provided. See agenda Item 13g.

- e. *Operating Committee* Larry Larson
Mr. Larson's report is included as Tab 13 of the agenda package.
- f. *Operations Review Subcommittee* Steve Sanders
No oral report given.
- g. *Planning Committee* Dale Burmester
Mr. Burmester referred the Committee to Tab 13 of the agenda package. He highlighted the joint OC and PC meeting coming up in Dallas in several weeks. The PC asked for a new formation of a smart grid task force and was looking for task force members. There was significant discussion at the last PC meeting regarding PRC-023. Many comments were submitted to FERC.
- h. *Reliability Assessment Subcommittee* Hoa Nguyen/John Seidel
Mr. Nguyen submitted reports for both the RAS meetings in June and July, which were provided in agenda packet Item 13h. He also reported on the RAS meeting that had taken place on August 25-26 in Charlotte, North Carolina, and opened the floor for questions.
- i. *Reliability Metrics Working Group* Greg Pieper
Mr. Pieper highlighted activities on the RMWG. They are working at building a process and schedule. They are developing a "smart process" to look at various metrics. The group is also working to develop a three-year work plan to address adequate levels of reliability metrics.
- j. *Resource Issues Subcommittee* Bill Kunkel/Neal Balu
Mr. Kunkel's report is provided in the agenda packet as Item 13j. Mr. Balu had sent in his report, which is included as Attachment #6 to these meeting minutes.
- k. *Resource Subcommittee* Bill Kunkel
Mr. Kunkel's report is provided in the agenda packet as Item 13k.
- l. *System Protection and Control Subcommittee* Rich Quest
No report provided.
- m. *Transmission Issues Subcommittee* Wenchun Zhu
Ms. Zhu updated the committee on the Transmission Issues Subcommittee activities. NERC TIS is forming its Dynamic Model Working Group to which Mr. Andiappan will participate as the MRO representative. Mr. Nguyen recognized Ms. Zhu's efforts on the TIS.

14. Other Business

Mr. Nguyen informed the committee that Mr. Mazur will start transitioning to the RAC chairmanship by chairing the RAC November 18, 2009 meeting and attending, along with Mr. Nguyen, the December 3, 2009 Board of Directors meeting.

Mr. Nguyen also indicated that, as his term on the RAC expires at the end of this year, his continued involvement with the committee is uncertain at this time due to increased job responsibilities within MDU.

15. 2009 Committee Meeting Dates

November 17	Compliance Committee
November 18	Reliability Assessment Committee
November 19	Standards Committee
December 2	Reliability and Compliance Workshop
December 3	Board of Directors Meeting

16. Adjourn

Having no further business, Mr. Nguyen adjourned the meeting at 2:52pm.

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