



**MEETING MINUTES**  
**MIDWEST RELIABILITY ORGANIZATION**  
**Scenario Assessment Task Force**  
The Embassy Suites – Bloomington, MN  
July 15, 2008 – 9:00 am

**1. Call to Order**

Mr. Nguyen, Reliability Assessment Committee Chairman called the meeting of the Scenario Assessment Task Force to order at 9:00am.

**2. Welcome**

Chairman Nguyen welcomed all those in attendance:

**Members Present**

Wenchun Zhu, ATC  
Jay Porter, GRE  
Matt Ellis, MISO  
Hamish Wong, WPS

Keven Szarkowski, BEPC  
Joe Berry, ITC  
Dustin Betz, NPPD (via conference phone)  
Rich Quest, XEL

**Members Not Present**

Jeff Mitchell, RFC

Randy Oye, XEL

**Guests Present**

Hoa Nguyen, MDU, RAC Chairman Paul Kure, RFC (via conference phone)

**Staff Present**

Adam Flink  
Dan Jesberg

Sandy Humenansky

**3. Standards of Conduct and Anti-Trust Guidelines**

Pursuant to Policy and Procedure 4, Mr. Nguyen reviewed the Standards of Conduct and Anti-Trust Guidelines.

**4. Midwest Reliability Organization and NERC**

Mr. Nguyen reviewed the Midwest Reliability Organization and its functions and how the NERC assessments fit into the work of this task force. Mr. Nguyen then reviewed the Reliability Assessment Committee structure.

**5. Scenario Assessment Task Force Scope**

*a. Review SATF Scope*

Mr. Nguyen referred the Task Force to Tab 5a of the agenda book which contained the scope for the task force.

*b. Review MRO Policy and Procedure 2*

Mr. Nguyen referred the Task Force to Tab 5b which contained Policy and Procedure 2 – Expense Reimbursement.

**6. SATF Chair and Vice Chair Appointments**

Mr. Nguyen reported that in his nomination request he also asked for volunteers for the position of Chair and Vice Chair. Mr. Nguyen reported that he had asked Wenchun Zhu to serve as Chair and Jay Porter to serve as Vice Chair. No additional volunteers were heard. Mr. Nguyen appointed Wenchun Zhu, ATC, Chair and Jay Porter, GRE, Vice Chair.

**7. MRO 2008-2009 Scenario Assessment**

Mr. Nguyen referred to his email dated July 14, 2008, which contained the 2008 Long Term Reliability Assessment request letter from NERC. He specifically referred to the request letter's Attachment II which stated that, to support NERC's effort to understand the potential to reliability implications of focused reference case sensitivities which present realistic potential future conditions, NERC's Planning Committee charged the NERC Reliability Assessment Subcommittee (RAS) with requesting the regions/sub-regions to provide to the RAS a study outline of one of the following two scenarios:

- Scenario #1 – accelerated renewable integration. If there is little or no impact of Scenario #1 on a region/sub-region, then they must perform Scenario #2. Mr. Nguyen reviewed the specifications of the required 2008-2009 scenario assessment.
- Scenario #2 – a scenario selected by the region/sub-region for study in 2009.

Mr. Nguyen reviewed the MRO Scenario Assessment study scope (or outline as referred by the NERC RAS) submitted to NERC on May 2, 2008. This study scope and its attachments were also included in his July 14, 2008 e-mail.

Mr. Nguyen reviewed the request letter's Attachment III that contained the schedule for the assessment. He went further to report on the specific questions the scenario assessment should address.

The Task Force recessed at 11:00am.

The Task Force reconvened at 11:11am.

Mr. Nguyen reported that the Midwest Reliability Organization does not intend to perform extensive studies for the assessment. Instead, it will rely on the existing and ongoing studies and available publications. The major information source that the MRO will likely use is the ongoing Joint Coordinated System Plan (JCSP) study conducted by the Midwest ISO. The MRO has obtained commitment from the Midwest ISO to provide it with the JCSP assumptions and results and allow the participation in the study for the MRO to prepare its 2008-2009 Scenario Assessment. In addition to the JCSP study, the MRO plans to use the results available from the 2006 Minnesota Wind Integration Study prepared for the state of Minnesota.

The Task Force recessed at 11:38am.

The Task Force reconvened at 12:26pm.

**8. Scenario Assessment Task Force 2008-2009 Work Plan**

Chair Zhu reported that the deadline for data is due end of February 2009 and the deadline for the assessment narrative is due by the end of March 2009. Chair Zhu is suggesting that the task force meet face-to-face every other month with supplemental conference calls as needed.

Vice Chair Porter reported that the first step should be to review the wind integration study and check the status of the RGOS Study.

Reference Documents to be Used

2006 Minnesota Wind Integration Study

JCSP Study

EPRI Study

RGOS Study

MRO 2008 LTRA Report

NERC Task Force Report

Individual State Study Reports

Any historical data that can be provided

**Action**

Dan Jesberg to modify the LTRA spreadsheet in accordance with the requirements of Scenario #1.

**Action**

Jay Porter to provide task force members with a copy of the Wind Integration Study and a link to the JCSP study.

**Action**

Jay Porter to provide the task force members a copy of the IEEE study.

**Action**

Adam Flink to create a FTP website for the group for posting of all reference documents and work done to date.

**Action**

Matt Ellis to provide JCSP 2008 step1 and 2 results of 2018 for MRO footprint. Right now the JCSP results are not totaled for MRO footprint and some additional work will be needed to obtain summaries of the MRO footprint results. These results include demand, fuel, generation, transaction, DSM, etc...

**Action**

Matt Ellis to contact MISO Operations regarding the wind farm operational issues they have encountered.

The group raised some good questions about the definitions of the reference and wind scenarios throughout the meeting. Chair Zhu summarized that the first task is to define the two scenarios and review the NERC questions. Chair Zhu reviewed the LTRA letter from NERC which contained the specific questions to be addressed.

The SATF discussed a few issues with wind generation that will likely be covered by the Scenario Assessment. The issues were mainly regarding sudden loss of generation due to insufficiently forecasted weather changes, including simultaneous reduction of wind speed across a large region and a drop in temperature that would put a large number of wind generators below their ambient operating limits. The Wind Data Collection spreadsheet, assembled by the MRO Wind Generator Modeling Task Force, was referenced as a source of ambient operating limits for many of the wind generators in the region; however this data is somewhat incomplete. Adam Flink (MRO) offered to send a data request to the MRO members to complete this table. The SATF will decide at a later date whether this additional data is needed.

After Task Force discussion, Chair Zhu asked the members to summarize their thoughts and forward to [sl.humenansky@midwestreliability.org](mailto:sl.humenansky@midwestreliability.org)

Also after the group discussion, Chair Zhu summarized that the next immediate task will be to clarify and define the two scenarios based on NERC request and MRO 2008 LTRA assessment; the tasks that follow will include reviewing the reference materials as listed above and correlate them to the NERC questions.

**9. Other Business**

No other business.

**10. Next Meetings**

The next meeting of the Scenario Assessment Task Force is scheduled for August 27, 2008 from 1:00pm – 5:00pm through August 28, 2008 from 8:00am – 12:00pm. The next two meetings are scheduled for October 15, 2008 and December 17, 2008.

**11. Adjourn**

Having no further business, Chair Zhu adjourned the meeting at 2:20pm.

Prepared by:

Sandy Humenansky, Administrative Assistant  
Midwest Reliability Organization

Reviewed and Submitted by:

Adam Flink, Midwest Reliability Organization  
Dan Jesberg, Midwest Reliability Organization