

**APPROVED MINUTES  
MIDWEST RELIABILITY ORGANIZATION  
PROTECTIVE RELAY TASK FORCE**

Holiday Inn Select – Bloomington, MN

June 5, 2007 – 1:00pm – 5:00pm

June 6, 2007 – 8:00am – 12:00pm

**1. Welcome - Deven Bhan**

- a. *Determination of Quorum*
- b. *Agenda Additions, if any.*
- c. *Review MRO Policy and Procedure 4*

Chair Bhan called the meeting of the Midwest Reliability Organization (MRO) Protective Relay Task Force (PRTF) to order at 1:03pm CST June 5, 2007.

The following attendees, guests, and MRO Staff were present:

**Members:**

Russ Miller, ALT	Keith Orsted, ATC
Steve Mittlesteadt, BEP	Terry Hopkins, DPC
Don Raveling, Vice Chair, MDU	Ken Birt, MEC
Ding Lin, MH	Steve Wadas, NPPD
Ron McIvor, OPPD	Len Yee, SPC
Deven Bhan, Chair, WAPA	Richard Quest, Xcel

**Members Absent:**

Mark Peterson, GRE	David Bisel, MP
--------------------	-----------------

**Staff:**

Mari Ann Baden	Adam Flink
Dan Jesberg	Andrew Lucero, Secretary
John Seidel, Alt. Secretary	

- Chair Bhan and Secretary Lucero determined that a quorum was present.
- Chair Bhan reviewed the revisions to the agenda that were sent out prior to the meeting. Mr. Lin asked to add a discussion/clarification item on PRC-012. Mr. Quest asked to add a discussion item on PRC-001.
- Pursuant to MRO Policy 4, Chair Bhan reviewed the Standards of Conduct and Anti-Trust Guidelines with the Committee.
- Mr. Seidel introduced Mr. Jesberg, a new MRO employee.

**2. Approve Minutes of April 25 & 26, 2007 Meeting**

*Upon motion duly made by Mr. Raveling and seconded by Mr. Hopkins the PRTF approved the April 25&26, 2007 minutes as written.*

**3. Review and approve revisions to MRO guidelines on PRC-002-01 approved by PRTF at the April meeting.**

Don Raveling, Andrew Lucero, Dave Bisel.

Revisions proposed: Keith Orsted and Ken Birt

Chair Bhan reviewed the most recent version of PRC-002-01 with the Task Force. Mr. Orsted had input revised wording on R3.1 which is used by Reliability First. This would match to the MRO document item R3.1.1., second paragraph. Discussion centered on 4.b., c., and d. Mr. Raveling gave the definition of IROL The consensus was 4.b. and 4.c. will be stricken. The definition of IROL will be referenced in the item that will now be 4.b. The verbiage from Reliability First will be inserted after "The following are MRO regional locations where dynamic data shall be recorded."

The document was edited to its final version during the meeting.

*Upon motion duly made by Mr. Birt and seconded by Mr. Wadas the PRTF approved PRC-002-1 as revised at the June 5, 2007 meeting.*

**Action Items:**

- a. The word "DRAFT" and a reference to MRO Regional Procedure will be added to the document prior to sending to distribution.
- b. After final review by MRO staff, the document will be sent to the PRTF members, TPSOs and posted to the PRTF website.
- c. The MRO Manual will be updated with the procedure upon approval by MRO.

The meeting was recessed at 3:06pm.

The meeting was reconvened at 3:30pm.

**4. New procedure effective 06/01/07 for approval of PRTF produced guidelines/procedures/white papers by the MRO-RAC**

Deven Bhan, Adam Flink

Chair Bhan presented the MRO RAC's proposed process for approval from the MRO. The process will be presented to the MRO Board on June 19, 2007. Mr. Flink updated the Task Force on Reliability Standards Voting Process (RSVP) used by the MRO for posting comments and voting on Standards development.

**5.**

**a. Review the latest draft on MRO guidelines for PRC 013 and PRC 014**

Ding Lin, Keith Orsted, Len Yee

Mr. Orsted reviewed the revisions that have been made to date on PRC-013 and PRC-014. He presented the RFC draft version of PRC-013 and preparation materials. The question was raised as to the validity of having a joint meeting of PRTF and TAS or a sub-group thereof to review the SPSs that are submitted. This would cover both the Planning and Protective aspect of the procedure. The term of group membership was proposed to be one year with a rotation to promote consistency. The composition of the group was proposed as "3+3+1" ---three members from PRTF, three members from TAS and one member from MISO. The sub-group's

summary report will be presented to the PRTF members at the meeting following each review. The PRTF will approve the report and the process will be considered finalized.

**Action Item:**

- Mr. Seidel and Mr. Lucero will meet with the TAS Chair and bring forth the proposal.
- Mr. Seidel will arrange for a conference call or face-to-face meeting between the TAS Chair, Mr. Orsted, and Mr. Lucero to begin process development.
- The process proposal will be submitted to the RAC.
- The PRTF designated the following members for the proposed group: Mr. McIvor, Mr. Birt, and Mr. Lin.

Suggestions for implementation:

- A high-level process map and timeline to help with clarification.
- A central e-mail address would be developed through the MRO for submittals.

Mr. Orsted reviewed the information that may be required in the report to be submitted.

Documentation will be received from ATC regarding their request for SPS review. Mr. Seidel and Mr. Lucero will meet with the ATC representative during their trip to Wisconsin to determine the need for a face to face meeting with the proposed sub-group.

**b. Address SPS review request by Xcel  
(ATC requested SPS review will done at the Winnipeg meeting)**

Rich Quest, John Seidel.

Mr. Quest reviewed the document submitted for Stone Lake – SPS. Mr. Quest noted the additional documentation to be submitted for PRTF review of the implementation of the Arrowhead-Gardner Park 345 kV Line – Phase 1 Operation Study Report Draft and will forward this documentation to the MRO Staff.

The meeting was recessed at 5:24pm, June 5, 2007.

The meeting was reconvened at 8:00am, June 6, 2007.

Chair Bhan reviewed the agenda for the day.

Mr. Birt made a motion that the PRTF approve the physical implementation of the Stone Lake SPS. This approval is contingent on receipt of a system one line showing all transmission lines and substations referenced in the documentation and a one line diagram of the Stone Lake substation showing the substation equipment involved including the CTs and PTs.

The PRTF proposed a review of the SPS from a planning perspective and after deliberations proposed formation of a “3+3+1” as indicated in Para 5a above

Chair Bhan called for discussion on the motion.

*Upon motion duly made by Mr. Birt and seconded by Mr. Raveling the PRTF approved the motion that the PRTF conditionally approve the physical implementation of the Stone Lake SPS.*

**Action Item:**

- Mr. Quest will provide the documentation stated above to the PRTF by the end of the calendar month.

**6. Review status of PRTF BZ3 submittal to a SPCTF –NERC.**

Clarifications sought by NERC on Minnkota Power Company

Andrew Lucero, Deven Bhan and Don Raveling

Chair Bhan reviewed the process for the submittal of BZ3. Minnkota Power did not submit a timeline for their data. Minnkota has not responded to the requests of Mr. Raveling and the MRO staff. Mr. Lucero has responded to a request from NERC representatives as to the status.

**Action Item:**

1. Mr. Lucero will send a formal request for a timeline for the 16 mitigations identified to Minnkota Power stating that the temporary exceptions have not been approved. Previous contact with Minnkota may be included.
2. The MRO staff will send a reminder to all TPSOs that submittal of all mitigations must be completed prior to December 31, 2007. Exemptions may no longer be submitted.

*Upon motion duly made by Mr. Raveling and seconded by Mr. Birt the PRTF approved the motion that the letter referenced above in bulleted item 1 will be sent to Minnkota Power.*

**[NOTE: It was discovered a couple of days after this meeting that MPC had actually submitted the requested mitigation scheme in March 2007.]**

The meeting was recessed at 10:30am.

The meeting was reconvened at 10:50am.

**7. Review the latest draft on MRO guidelines on PRC 005**

Ken Birt, Russ Miller

Mr. Birt presented the revisions to date on PRC-005. Comments from PRTF members were noted and made online at the meeting.

**Action Item:**

- Mr. Birt will incorporate changes made during the meeting and distribute the revised version to the PRTF.
- After electronic review by the PRTF members, final review will be conducted during the August 2-3, 2007 meeting.

**8. Miscellaneous:**

- a. Discussion/Clarification on PRC-012.

The question is: Is this a design requirement or does it also apply to operating scenarios? In other words, if the SPS was designed as per requirement R1.3, does it mean that R1.3 has to be satisfied at all time? Or it is acceptable to operate the system with a non-redundant SPS temporarily?

Normally means should have redundant systems in service at all times, except during a short time when verification testing is being conducted.

If the second system is out of service, for more than a short maintenance time, than the ISO needs to be informed and has to operate the system accordingly.

**b. Discussion/Clarification on PRC-001.**

Mr. Quest requested clarification on PRC-001. The question was brought forth “Is there a process or form for reporting out of service?” Most entities do not have a formal process in place for this, but they do have a methodology for tracking and record keeping.

Chair Bhan and Mr. Raveling presented their companies’ procedure for reporting.

**c. MRO update**

John Seidel

This item was not presented.

**d. Auto-reclosing practices in MRO – Review progress**

Russ Miller

Mr. Miller requested that the remaining PRTF members that have not sent data please submit it as soon as possible.

**e. First Quarter Relay Mis-operation reports – Review progress**

Adam Flink

Mr. Flink presented the Mis-operation report for the first quarter. Approximately 30 mis-operations have been reported and zero SPS submittals.

Mr. Lin requested clarification on PRC-012. This was address by the members. It was agreed that certain routine SPS operations need not be reported.

**f. Proposal PRTF to become permanent Sub-Committee-Update**

Deven Bhan

This proposal will be considered by the MRO RAC at their September 5, 2007 meeting.

**g. Thermal rating of transmission lines, scaling factors – Review Progress**

Steve Mittelsteadt, Don Raveling and Russ Miller

Mr. Mittelsteadt presented the proposed outline for this report. The Task Force gave their feedback on the outline.

**h. Significant relay Mis-Operations – Technical discussions**

This item was not presented.

**i. PRC standards related other work**

Don Raveling, Deven Bhan,  
Andrew Lucero, John Seidel

Mr. Seidel gave an update on the work of assigning procedures to be reviewed by the MRO subcommittees and task forces to ensure all gaps are filled.

**j. Other**

Mr. Dede Subakti, MISO joined the meeting at 9:40am. Mr. Subaki presented MISO's review of SPS schemes and process. Mr. Subaki stated that MISO does not need to review MRO approved SPS's. He also agreed to be a part of the SPS Review Team (assuming one will be created) representing MISO. Mr. Subaki left the meeting after his presentation.

**9. Next Meeting**

- a.** August 2 & 3, 2007, Winnipeg, Manitoba
- b.** Following Meeting Date

**10. Adjourn**

*Upon a motion duly made by Mr. Wadas and seconded by Mr. Mittelsteadt the meeting was adjourned at 12:11pm.*