

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

Holiday Inn Select – Bloomington, MN

April 25, 2007 – 1:00pm – 5:00pm

April 26, 2007 – 8:00am – 12:00pm

1. Welcome - Deven Bhan

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

Chair Bhan called the meeting of the Midwest Reliability Organization (MRO) Protective Relay Task Force (PRTF) to order at 12:55pm CST April 25, 2007.

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

Members:

Russ Miller, ALT

Keith Orsted, ATC

Steve Mittlesteadt, BEP

Terry Hopkins, DPC

Mark Peterson, GRE

Don Raveling, MDU

Ken Birt, MEC

Ding Lin, MH

David Bisel, MP

Steve Wadas, NPPD

Ron McIvor, OPPD

Len Yee, SPC

Deven Bhan, Chair, WAPA

Staff:

Andrew Lucero, Secretary

Adam Flink, Alt. Secretary

Mari Ann Baden

- Chair Bhan and Secretary Lucero determined that a quorum was present.
- No additions to the agenda were made. This meeting will focus on finishing PRC-002-01.
- Pursuant to MRO Policy 4, Chair Bhan reviewed the Standards of Conduct and Anti-Trust Guidelines with the Committee.

2. Approve Minutes of March 21- 22, 2007 Meeting

Chair Bhan called for discussion on the minutes of the March 21-22, 2007 meeting.

Upon motion duly made by Mr. Raveling and seconded by Mr. Mittlesteadt the PRTF approved the March 21-22, 2007 minutes as amended.

3. Review status of all PRC series standards.

Deven Bhan, Don Raveling

- a. Discuss the PRC-series Standards vis-à-vis FERC Order 693, dated 3/16/07.

Chair Bhan explained that the approved standards will now be enforceable. The standards that have been designated as “pending” will not be enforceable at this time.

Mr. Raveling presented a review of the FERC Order 693. The standards will be effective Monday, June 4, 2007.

- The majority of the standards relating to the MRO PRC are listed as a “pending” status. This indicates that they are still in a review process.
- Standards that are applicable to the owners or operators have been approved.
- PRCs that require periodic review are all listed on the NERC website.
- Mr. Raveling reviewed the next steps listed on Slide 17 of the presentation Chair Bhan sent prior to the meeting entitled *PRC Standards*.

- b. Some of the PRC Standards were approved as “mandatory and enforceable”, others were not. How does this impact our work?

Standards that have been approved by FERC will be approved by the MRO Reliability Assessment Committee and submitted to the MRO Board. Those that have not been approved will be handled as appropriate through the RAC.

- c. Status of MRO guidelines recently completed by PRTF. [PRC-003-1 and PRC-012]

The above mentioned guidelines have been submitted to the MRO RAC. Mr. Raveling will be presenting the Task Force’s work at the May 16, 2007 meeting.

4. Review the latest draft on MRO guidelines for PRC 002

Andrew Lucero, Dave Bisel

Mr. Lucero and Mr. Bisel reviewed the latest version of PRC-002-1 with the committee. Comments and revisions were made by the committee and recorded by Mr. Lucero.

The committee engaged in a detailed discussion on the criteria that will be applied to location, monitoring and recording requirements and how it would be listed in the document. Mr. Lucero and Mr. Bisel will make these changes offline.

The meeting was recessed at 3:00pm
Chair Bhan reconvened the meeting at 3:15pm.

The committee reviewed the revisions that were made during the recess. The same bulleted list will be used for Fault Recorders.

The remainder of the standard was reviewed and comments from the committee members were incorporated. Mr. Lucero noted changes and will revise PRC-002-1 offline. It was suggested that technical information could be included in an appendix or exhibit format. The committee will review all changes when the meeting is reconvened on April 26, 2007.

The meeting was recessed at 5:10pm.
Chair Bhan reconvened the meeting at 8:00am.
Richard Quest, Xcel joined the meeting.

Chair Bhan reviewed the agenda and set the order of business for the day. Agenda items 9a. – 9h. were covered at this time.

Mr. Lucero and Mr. Bisel continued the review of PRC-002-0. Discussion resumed on placing detailed information in R4 – Retrieval and Reporting requirements into a supplemental format.

Revisions were made to the remaining sections at the meeting.

The meeting was recessed at 9:56am.
Chair Bhan reconvened the meeting at 10:20am

Action Items:

- Mr. Lucero and Mr. Bisel will circulate the revised copy to the PRTF members on or before Wednesday, May 2, 2007. PRTF members will return the document with comments on or before May 7, 2007.
- Ms. Baden will put the final formatting changes on the document.
- MRO Staff will circulate the final version of PRC-002-1 to the TPSOs as approved by the PRTF by May 16, 2007.

5. Review the latest draft on MRO guidelines on PRC 005

Ken Birt, Russ Miller

Mr. Birt began the review of PRC-005-0. Initial comments and revisions were made. Mr. Birt will circulate the document to the group with revisions. The document will be finalized at the June 5, 2007 meeting.

6. SPCTF-NERC Update

Deven Bhan

- a. Beyond Zone 3: Review of MRO submittal by SPCTF - NERC.
Chair Bhan gave an update on the NERC SPCTF meeting. MRO was one of the first to submit this report to the NERC group. The reports will be reviewed by the SPCTF at their May 2007 meeting.

Since this is not an approved standard, Mr. Raveling brought to the committee's attention that these are not mandatory.

Action Items:

- MRO staff will send a reminder to the TPSOs of the mitigation switch-on-default completion dates.
- Mr. Raveling will give an update of the status of the Beyond Zone 3 at the June 5, 2007 meeting of the MRO PRTF.

b. Other

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

Ding Lin, Keith Orsted, Len Yee

This item will be deferred to the June 5, 2007 meeting.

8. Discussions on reporting requirements of PRC-009, 010 and 016

This item will be deferred to the June 5, 2007 meeting.

9. Miscellaneous:

- a. MRO update John Seidel/Adam Flink
Ms. Baden sent the details of the upcoming MRO Reliability Standards and Compliance Program seminar to the PRTF members.
- b. Auto-reclosing practices in MRO Russ Miller
Mr. Miller has sent the first draft to the committee. Chair Bhan asked that the members send any comments they might have to him.
- c. Thermal rating of transmission lines- visa vi. CT Taps , metering scales
Steve Mittelstead, Russ Miller, Don Raveling
Mr Mittelstead, Mr Miller and Mr Raveling will present their first draft at the June 5, 2007 PRTF meeting .
- d. First Quarter Relay Mis-operation reports Adam Flink
- e. Significant Relay Mis-Operations

Items 9.d. and 9.e. will be reviewed at the June 5, 2007 meeting. April 30 is the deadline for submittal from the MRO members. Mr. Flink will send the information to the PRTF members when it is compiled.

Mr. Flink reviewed questions that have been presented by MRO members on the process. If a company doesn't have any misoperations, they should indicate this in their report.

Some members may have a corrective action that has not been completed. In these instances, the corrective action should be considered as "proposed" and a projected completion date would be submitted.

- f. Detection of line end three phase faults on lines with weak source ("exception 6") Deven Bhan
The members were requested to study the application guide sent out by Chair Bhan on the subject matter and email questions or comments, if any,

- g. PRTF as a permanent subcommittee of MRO Deven Bhan
Chair Bhan will write a proposal to the MRO Reliability Assessment Committee for the PRTF to become a subcommittee. This will be presented at the September RAC meeting.

Chair Bhan called for discussion. Mr. Lucero explained the steps that have been taken so far.

Upon a motion duly made by Mr. Raveling and seconded by Mr. Hopkins the PRTF will be presented to the MRO RAC as a subcommittee reporting directly to the RAC.

The motion was passed unanimously.

- h. Other

10. Next Meeting

June 5-June 6, 2007
Holiday Inn Select, Bloomington, MN

August 2-3, 2007
Holiday Inn, Winnipeg, Canada

11. Adjourn.

Upon a motion duly made by Mr. Raveling and seconded by Mr. Bisel the PRTF meeting was adjourned at 11:56pm.

Prepared by: Mari Ann Baden
Reviewed by: Deven Bhan, Andrew Lucero