



**MEETING MINUTES  
MIDWEST RELIABILITY ORGANIZATION**

**Protective Relay Subcommittee**  
Holiday Inn Select – Bloomington, MN  
July 14, 2009 – 12:00pm – 5:00pm

**1. Call to Order**

Protective Relay Subcommittee (PRS) Chair Bhan called the meeting to order at 1:05pm.

**2. Welcome**

Chair Bhan welcomed all those in attendance. Mr. Jesberg determined that a quorum was present. The following members and MRO staff were present during the meeting:

**PRS Members Present**

Deven Bhan, WAPA, Chair  
Keith Orsted, ATC  
Richard Quest, XEL  
Mark Peterson, GRE  
Terry Hopkins, DPC  
Dede Subakti, MISO (Phone)

Don Raveling, MDU, Vice Chair  
Mike Gates, ITC  
Ding Lin, MH  
Rob Frank, MDU  
David Bisel, MP

**PRS Members Absent**

Steve Mittelsteadt, BEPC  
Ken Birt, MEC

Ron McIvor, OPPD  
Len Yee, SPC

**Staff Present**

Dan Jesberg, MRO, Secretary

John Seidel, MRO, Alt. Secretary

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

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

**4. Consent Agenda**

Chair Bhan reviewed the meeting agenda and solicited the subcommittee for comments, additions, or changes.

*a. Approve Minutes of March 3 & 4, 2009 Meeting*

Mr. Jesberg called for discussion on the meeting minutes of the March 3 & 4, 2009 meeting.

***Upon motion duly made by Mr. Hopkins and seconded by Mr. Quest, the Protective Relay Subcommittee unanimously approved the minutes of the March 3 & 4 Protective Relay Subcommittee meeting as amended.***

**5. Chairman's Report**

*a. Send off for Don Raveling*

On behalf of the PRS, Chair Bhan extended a warm farewell to fellow group member Don Raveling and wished him happy travels during his retirement.

*b. Introduction of Robert Frank*

Chair Bhan welcomed Robert Frank as a new voting member of the PRS representing the Dakotas' sector. Mr. Frank will be replacing Don Raveling on the group and had already been approved by the RAC Chair, Hoa Nguyen.

*c. Election of New Vice Chairman*

Ding Lin is to serve as the new Vice Chair of the PRS. The election of Mr. Lin was conducted by an email vote.

*d. Update on RAC activities*

Chair Bhan gave a summary of the May 20<sup>th</sup> MRO RAC meeting. During the meeting, the RAC instructed the PRS to continue work on development of a regional procedure for EOP-004. (See item 6)

**6. MRO Status on the Procedure for NERC EOP-004**

Mr. Seidel presented the new Event Analysis procedure as developed by MRO staff. This procedure was developed to supersede the EOP-004 procedure under development by the PRS. The PRS's work on the said procedure is therefore suspended indefinitely.

The group held a discussion on the new MRO Event Analysis and developed questions and comments related to its content. In particular, the PRS questioned the level of separation that the procedure allowed between an "event analysis" and a "compliance violation investigation."

**Action Item:**

Mr. Seidel is to bring PRS comments to the attention of MRO staff for discussions relating to the new MRO event analysis procedure.

**7. MRO Status on Disturbance Monitoring requirements**

Concerning recent industry questions pertaining to the MRO's procedure for NERC PRC-002, Mr. Seidel conveyed to the PRS that it is the MRO's position that there is no mandate for compliance with the procedure and that it must only be interpreted as "good utility practice." In relation to its handshaking procedure, NERC PRC-018, there has been no activation of a compliance clock with which applicable entities must adhere. Furthermore, it is understood that the NERC is currently redeveloping the disturbance monitoring standards and that the requirements laid out in the MRO procedure for NERC PRC-002 may conflict with future NERC mandates and/or standards.

**8. FERC Directives to NERC on PRC-023**

*a. Impact of Extending the Standard to Lower Voltages*

Mr. Quest summarized the FERC proposal to extend PRC-023 to 100 kV and above facilities as well as "critical" facilities below 100 kV. He also presented the WECC's response to FERC proposal.

The PRS debated FERC's proposal and concluded that the requirements would be too stringent. This conclusion was based on the idea that the resources required to meet these standards would be unjustifiable drawn from other

areas of equal or greater concern and could have an unintended impact on the reliability in those areas.

*b. Develop MRO Comments to NERC*

The PRS concluded that it could not submit comments on behalf of the MRO without significant coordination with MRO staff. Development of a regional comment paper was therefore tabled.

**Action Item:**

Mr. Quest will collect and compile PRS comments submitted via email. These comments will be presented to the RAC during their September meeting.

**Action Item:**

Mr. Jesberg will coordinate with MRO staff to determine the procedure for submitting regional comments to FERC.

**9. NERC Activities**

*a. Relay Maintenance Standards Drafting*

Mr. Peterson gave a brief update on the activities of the Relay Maintenance Standard Drafting Team.

*b. SPCS Report*

Mr. Quest gave a Power Point presentation that illustrated the latest activities concerning the NERC SPCS. Current SPCS activities of note include work on PRC-001, PRC-023, and the relay misoperation related standards (PRC-003, PRC-004, PRC-012, and PRC-016).

**10. PRS Activities**

*a. Update on SPS Review Team Activities*

Mr. Jesberg and the attending SPS Review Team members gave a brief summary of the SPS related topics that will be discussed during the July 15<sup>th</sup> joint meeting with the TAS.

*b. 2009 Q1 Relay Misoperations Report*

The Misoperations Review Team chose to delay presentation of a 2009 report until the 2<sup>nd</sup> quarter misoperations had been received and reviewed.

**11. Other Business**

No other business was discussed.

**12. Next Meetings**

*a. Establish 2009 Meeting Schedule*

November 17 and 18, 12:00pm – 5:00pm and 8:00am – 12:00pm

**13. Adjourn**

Having no further business, Chair Bhan called for a motion for adjourning the meeting.

***Upon motion duly made by Mr. Hopkins and seconded by Mr. Bisel, the Protective Relay Subcommittee unanimously elected to adjourn at 4:50pm on July 14<sup>th</sup>.***

Prepared by:  
Dan Jesberg, Secretary, Midwest Reliability Organization