



MEETING MINUTES
MIDWEST RELIABILITY ORGANIZATION
Protective Relay Subcommittee
Holiday Inn Select – Bloomington, MN
November 15, 2010 – 12:00 pm to 5:00 pm

1. Call to Order

Protective Relay Subcommittee (PRS) Chair Bhan called the meeting to order at 12:50 pm.

2. Welcome

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

PRS Members Present

Deven Bhan, WAPA, Chair
Ken Birt, MEC
Ron McIvor, OPPD
Robert Frank, MDU
Mark Peterson, GRE
Richard Quest, XEL

Ding Lin, MH, Vice Chair
Mike Gates, ITC
Greg Hill, NPPD
David Bisel, MP
Keith Orsted, ATC
Terry Hopkins, DPC

PRS Members Absent

Abiodun Olayiwola, MISO
Len Yee, SPC

Steve Mittelsteadt, BEPC

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

a. Approve Agenda

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

Mr. Bisel headed a short discussion on how the member entities represented by the PRS members were handling the recent NERC alert on the AURORA issue.

Mr. Bisel also headed a short discussion on how the MRO PRS is placed within the MRO hierarchy of responsibility.

b. Approve Minutes of August 25 & 26, 2010 Meeting

Chair Bhan called for discussion on the meeting minutes of the August 25 & 26, 2010 meeting.

Upon a motion duly made by Mr. Hopkins and seconded by Mr. McIvor, the Protective Relay Subcommittee unanimously approved the minutes of the August 25 & 26, 2010 Protective Relay Subcommittee meeting as amended.

5. Chairman's Report

a. Welcome New PRS Member Greg Hill

Chair Bhan introduced Greg Hill of NPPD to the PRS. Mr. Hill gave a brief statement on himself and his roles at NPPD.

b. Update of PC Activities

During one of the latest PC meetings, the MRO draft SPS Guideline was rejected and the project to advance its development is currently frozen. The fate of the guideline is expected to be decided by MRO BOD.

As of October of 2010, the MRO PRS will no longer report to the MRO PC. Instead it will be reporting to the MRO Operating Committee (OC). A joint meeting between the MRO OC and the PRS is scheduled to be held on November 16th, 2010 to serve as introduction of the two groups.

6. 2011 membership for SPS and Misoperations Review Teams

The group discussed the current status of the SPS and Misoperations review teams. New rosters for these groups were established for 2011.

The 2011 SPS Review Team will remain unchanged coming out of 2010 and will comprise of Mr. Orsted, Mr. Frank, and Mr. Hopkins. In addition, Abiodun Olayiwola will remain on the group as the Midwest ISO Liaison.

The 2011 Misoperations Review Team will comprise of Mr. Hill, Mr. Birt, and Mr. Quest.

7. NERC Activities

a. Relay Maintenance Standards Drafting

Mr. Peterson gave an update on the proceedings of the standards drafting team responsible for the next version of PRC-005. Discussions were held on the current status of the draft standard, what changes were made in 2010, and what future developments may be seen before the draft becomes approved.

b. SPCS Report

The NERC standards development process continues to target PRC-001, PRC-005, and PRC-023 as top priority PRC standards for completion. The SPCS is expected to publish a technical reference document pertaining to relay loadability by the end of 2010 (PRC-023). Additionally, NERC has begun work on the new standard intended to address protective relay performance during recoverable power swings.

The SPCS has completed its review of the PRC standards that pertain to UFLS. A white paper that documents its assessment and conclusions on the subject of UFLS is expected to be released shortly.

The NERC ERO-RAPA groups is currently developing a NERC-wide procedure and reporting template for the collection of protection system misoperations. This work is currently being based on the SPCS's 2009 technical reference pertaining to PRC-003, -004, and -016. An approved product is expected by the end of 2010 for implementation in 2011.

8. PRS Activities

a. Update on SPS Review Team activities

Mr. Jesberg presented the SPS Review Team log and gave a brief update on the group's recent activities.

b. Update on relay misoperations data collections.

Mr. Jesberg gave a brief overview on the current status of the 2010 MRO misoperations data collection efforts.

9. Review of the MRO Asset Replacement Program

Mr. Seidel headed a discussion of recent MRO developments regarding the Asset Replacement Program.

A discussion was held to determine what data and information could be reasonably collected and assessed in time for the December 2nd MRO BOD meeting.

Action Items:

MRO staff will develop a data request to collect relay populations, on a terminal count basis, from the PRS membership only. The PRS membership data will serve as sample population to determine the use (percentage) of the different relay types in the MRO region.

MRO staff will submit the 2009 misoperations data to the PRS for final review. Once this final review is conducted, MRO staff will compile an appropriate statistical report for the MRO BOD.

10. Review the MRO Procedure for PRC-003

This item was tabled.

11. Other Business

The MRO PRS has elected to drop its plans to develop an out-of-step relaying white paper after considering current NERC efforts to develop generator loading standards.

12. Next Meetings

The 2011 meetings shall be scheduled to occur during the same weeks as the Operating Committee's meetings. The current practice of holding two, half-day meetings within the MSP Airport area is expected to continue during 2011

13. Adjourn

The meeting was adjourned at 5:10pm on November 15th, 2010.

Prepared by:
Dan Jesberg, Secretary, Midwest Reliability Organization