

MINUTES
Midwest Reliability Organization
Generator Testing Review Task Force
2774 Cleveland Avenue North, Roseville, MN 55113
December 13, 2006 – 8:30 AM – 3:00 PM

1. Roll Call and Introductions – Chairman Dave Kral / Alternate Secretary Omar Elabbady

Chairman Kral of the Midwest Reliability Organization (MRO) Generator Testing Review Task Force (GTRTF) called the meeting of the MRO Generator Testing Review Task Force (GTRTF) to order at 8:40 am. The GTRTF is currently classified as an ad hoc group and expected to be active for a year or two.

a. Determination of Quorum

The following members, guests, and staff were present:

Members:

Dave Kral, XEL, Chairman

Brian Archer, MH

Omar Elabbady, MRO, Alternate Secretary

Wendell Thompson, MPW

John Ratajczyk, ATC (Via Phone)

Members Not Present:

Andrew Lucero, MRO, Secretary

Leonard Rentmeester, WPS, Vice
Chairman

Guests:

2. Review Policy and Procedure 4

Chairman Kral presented the MRO Policy and Procedure #4 and the Standards of Conduct and Anti-trust Guidelines.

3. Consent Agenda

- Approve Meeting Minutes from November 29 & 30, 2006 Meeting

Motion: Brian Archer (MH) moved to approve the Meeting Minutes from November 29 & 30, 2006. The motion was seconded by John Ratajczyk (ATC) and approved unanimously.

4. Update from NERC Phase III-IV Field Testing Group Conference Call –

- Chair Kral reviewed the notes from the NERC PHASE III-IV FIELD TEST – STATUS
 - The MRO is on a similar time schedule to the rest of the Reliability Regions based on the status report given by the Regions on the call.

Action Item: Brian Archer (MH) to contact Siemens / PTI to inquire about the possibility of adding signal input to individual generator controls to simulate a grid disturbance.

5. Review of MRO Generator Testing Guideline Sections already

- As needed a Quick review of MOD-024 and 025
- Quick review of (MOD-026)
- Discuss MOD-027: Review new changes.
- Discuss PRC-019: Review new changes

Action Items: Decision to add clarifying language to the Periodicity sections of MOD-026-1 and MOD-027-1 to the effect that Generator Owners have up to 30 days *after the in service date* rather than 30 days after an affecting change is made to be compliant.

- Consensus on leaving the Periodicity section of PRC-019-1 open because the time limit will be covered by other sections

6. Draft requirements for PRC-024 (Frequency & Voltage Excursions)

- Development and discuss PRC-024:
 - Consensus for now on Undervoltage Ride-through criteria of 0.7 pu for 30 cycles (0.5 seconds)
 - Consensus for now on Overvoltage Ride-through of 1.3 pu for 12 cycles (.2 seconds), and between 1.1 pu and 1.3 pu for 120 cycles (2.0 seconds)
 - These numbers come from Manitoba Hydro's requirements for the interconnection of Non-Utility Generators to their system
 - Chair Kral to possibly mention these guidelines at the next NERC PHASE III-IV FIELD TEST – STATUS conference call in early January 2007.

Action Item: Someone to create graphs for the above voltage ride-through guidelines based on the FERC Wind NOPR graph

Action Item: Coordination of Generator Protection with Transmission Protection specifications of standard PRC-024-1 Requirement 2.2 (Section 6.3.6 of our Generator Testing Requirements document) to be drafted by the MRO PRTF (Protective Relay Task Force)

7. Other Business

- Testing Requirements
- Item 6.4 “Reporting Requirements”
- Data Reporting Format

Action Item: Chair Kral to resend out the updated Generator Testing Requirements document, and ask for comments by the second week of January. If there are no comments then the document will be passed on to the NERC CCMC and the MRO RAC

Action Item: Chair Kral to talk to ERCOT to see if he can get their document on undervoltage ride through

Action Item: Chair Kral to check with regulatory affairs regarding the FERC Wind NOPR rules on generators installed after the adoption of the NOPR.

Action Item: Dave Kral will copy Hoa Nguyen (RAC Chair) on the GTRTF’s submittal to NERC of the Generator Testing Requirements document, possibly get RAC final approval.

8. Next Meeting

- January 25th, 2007 10:00 am to 12:00 pm, Conference Call

9. Adjourn

Having no further business, Chairman Kral called for a motion to adjourn the meeting of the Midwest Reliability Organization Generator Testing Review Task Force.

Motion: Wendell Thompson (MPW) moved to adjourn the meeting. The motion was seconded by Brian Archer (MH) and approved unanimously. The meeting adjourned at 11:35 pm.