

**MINUTES**  
**Midwest Reliability Organization**  
**Generator Testing Review Task Force**  
2774 Cleveland Avenue North, Roseville, MN 55113  
November 2, 2006 – 9:00 AM – 3:00 PM

1. **Roll Call and Introductions** – Chairman Dave Kral / Secretary Andrew Lucero

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 9:05 am. The GTRTF is currently classified as an ad hoc group and expected to be active for a year or two. The meeting attendees introduced themselves.

a. *Determination of Quorum*

The following members, guests, and staff were present:

**Members:**

Dave Kral, XEL, Chairman	Andrew Lucero, MRO, Secretary
Brian Archer, MH	Wendell Thompson, MPW
Leonard Rentmeester, WPS, Vice Chairman	John Ratajczyk, ATC (Via Phone)
Omar Elabbady, MRO Alternate Secretary	

**Members Not Present:**

**Guests:**

2. **Review Policy and Procedure 4**

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

3. **Consent Agenda**

- Approve Meeting Minutes from October 3, 2006 with minor change made by Brian Archer.

**Motion:** Brian Archer (MH) moved to approve the Meeting Minutes from October 3, 2006 with the change. The motion was seconded by Wendell Thompson (MPW) and approved unanimously.

#### 4. **Update of NERC Phase III-IV Field Testing**

- Conference call scheduled for last Tuesday was cancelled, and was rescheduled for this following Monday. Chair Kral will forward a review of the call to the exploder list on Monday.

#### 5. **Draft of MRO Generator Testing Guideline Section on Reactive Capability Testing**

- Exemption Criteria
- Discuss draft of MRO Generator Testing Guideline Section on Reactive Capability Testing (MOD-025)
- The outcome of this discussion is reflected in the attached document as changed.

Break taken at: 10:43 AM - 10:55 AM

- **ACTION ITEM**

- David K is awaiting a response from the MRO Standards Committee regarding need for MRO Standards to implement the Generator Testing Requirement.
- Andrew L. is to request direction for the RAC regarding the archiving of documents and the corresponding data.

#### 6. **MRO Generator Testing Guideline Sections on Standards being Field Tested**

- Discuss MOD-026
  1. Must come up with exemption criteria for generator system excitation system
    - Generator size, and frequency of use of the unit might be two parameters to determine whether the unit is exempt or not
    - WECC doc says 10 MW, old MAPP doc says 10 MVA
      - General consensus on 10 MVA as the cutoff threshold. For multiple/farm units, must test at least 2 units, or no less than 10%
      - The section for this standard will look similar in format to the reactive capability section
  2. For satisfying R 1.2 of the standard: Acceptable methods for model and data verification, including any applicable conditions under which the data should be verified. Such methods can include use of manufacturer data and commissioning data (only for the first 5 years), historical response to system disturbances, response data, performance tracking, (Remove engineering analysis from the list), field verification of equipment settings, testing, simulation and comparison with test results or disturbance monitoring data, etc.

Lunch from 12:03- 12:38

3. For satisfying R 1.3 of standard, take portion of Generator Testing document similar to reactive capability section on periodicity (the verification shall be repeated once every 5 years or following any changes/refurbishments to the unit that would have an effect on the response characteristics)
4. For R 1.4 add reactive droop,
5. Put appendix b from old document as part 2 in our new 11/02 document
6. Discussion about the status of aux controls and whether they are needed to be as they are, or removed. After some discussion, it was decided that the status blocks for aux controls would be left in.
7. The blocks regarding protection will be removed, as they are not necessary and do not contribute to the model in any useful way (B3)
8. Take last 2 sheets out of Mod 026 and put with PRC 019
9. Take out volts per hertz parameters (eliminate page b-7 and b-8)
10. Take out OEL, UEL, and Volts per Hertz blocks out of auxiliary controls (Page B-3)
11. Move Open Circuit Step Response Page to the first page,
  - Discuss PRC-019

**7. Other Business**

- There was no other business to add to the agenda.

**8. Next Meeting**

- November 29, 2006 (8:00 AM – 5:00 PM Tentative) & November 30<sup>th</sup> 2006 (8:00 AM – 5:00 PM Tentative) at the Roseville, Minnesota MRO Offices
- December 13, 2006 at the Roseville, Minnesota MRO Offices

**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 at 3:05 PM

Leonard Rentmeester (WPS) moved to adjourn the meeting. The motion was seconded by Brian Archer (MH) and approved unanimously.