

MINUTES
Midwest Reliability Organization
Generator Testing Review Task Force
Conference Call

October 12, 2007 – 11:00 AM – 12:00 AM CDT

- 1. Roll Call and Introductions** –Secretary Andrew Lucero
Secretary Lucero of the Midwest Reliability Organization (MRO) Generator Testing Review Task Force (GTRTF) called the meeting of the MRO GTRTF to order at 11:05 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:

Present:

Andrew Lucero, MRO, Secretary

Wendell Thompson, MPW

Leonard Rentmeester, WPS, Vice Chairman

Brian Archer, MH

Dan Jesberg, MRO, Alternate Secretary

John Seidel, MRO, RAC Secretary

Absent:

Dave Kral, XEL, Chairman

John Ratajczyk, ATC

- 2. Discussion of the MRO Generator Testing Guidelines Section 2.3.3.3** – Secretary Lucero

The sole purpose of this meeting was to discuss the request made by Paul Spicer of WPS to have section 2.3.3.3 of the MRO Generator Testing Guidelines change to more accurately represent reserves related to CT's and Combined Cycle CT's during winter conditions. The following paragraphs are Mr. Spicer's request:

"The concern we have with the current MRO Generator Test Guidelines is related to the temperature correction process. In the guidelines, a given capability test is adjusted to account for the fact that ambient temperature during a particular month may be very different than the ambient temperature during the test. The resulting capability adjustment is particularly significant for combustion turbines (CTs). The temperature correction curves for CTs generally result in decreased capability for increased temperature. The guidelines stipulate that for CTs the capability for a given month is defined at the average of the five highest temperatures for that month".

"Since generator capabilities are often used to calculate reserve margins, this approach makes sense in the summer months. During the summer months, the load forecast part of the reserve calculation assumes a high temperature condition because loads tend to be higher at warmer temperatures during cooling seasons. It is logically consistent that both the load forecast and generator capabilities are assumed under the same conditions (high temperature in summer). In winter, however, the same logical consistency does not exist for reserve margin calculations. Since, in heating seasons the load is higher when temperatures are lower, the load forecast is made assuming low (cold) temperatures".

"Under MRO's current guidelines, the generator capability is defined at high temperatures. A reserve calculation combining a cold temperature load with a warm temperature capability will give an inconsistent and understated reserve margin. As an example, the January load is assumed to be consistent with -10F and the generator output is assumed to be consistent with +40F. The reserve cannot be properly calculated because the underlying assumptions cannot co-exist".

"In the past, WPSC would maintain consistency with the underlying temperature assumption for the reserve calculation. We recommend, using high temperature corrections during "cooling" seasons and using low temperature corrections during "heating" seasons".

The group discussed the issue, agreeing that Mr. Spicer's observation was valid and that the guidelines should be changed when NERC comes out with its new guidelines for generator testing expected in June 2008. In the interim, it was agreed that the GTRTF will request an exception to the existing MRO approved guideline from the RAC, allowing for CT's and Combined Cycle CT's to be tested during the winter season with the guidelines stipulating that for CT's and Combined Cycle CT's capability for a given winter season month is defined at the average of the five lowest temperatures for that month rather than the highest.

Action Item:

Sec. Lucero will prepare a memo for review by the group consistent with that which was agreed to above, which will request of the RAC, at its November 2, 2007 meeting, an exception to the guide lines provide in the MRO Generator Testing Guidelines section 2.3.3.3 related to real power testing for Combustion and Combined Cycle CT's during winter capacity testing.

3. Other Business

There was no other business.

4. Next Meeting

There was no next meeting scheduled.

5. Adjourn

There being no further business or discussion Secretary Lucero closed the meeting of the GTRTF. The meeting was adjourned at 10:47 am.

Respectfully Submitted,

Andrew Lucero GTRTF Sec.
Dan Jesberg GTRTF Alt. Sec.