ERCOT Phasor Measurement Task Force (PMTF)

monthly report to

ERCOT Reliability Operation Subcommittee (ROS)

July 10, 2014

**PMTF meetings since last ROS meeting:**

The PMTF last met on 5/14/14. At that meeting, we continued to review draft language for our “ERCOT Synchrophasor Technology Assessment” report. In addition to the eight topics assigned by ROS in the PMTF charter, we have added two other areas that we will document in the report: “Impact of related NERC Reliability Standards on Synchrophasor data usage in ERCOT” and “Review of other Interconnections’ efforts in this area”.

**Current group activity:**

Presently the group is focusing on three key application areas:

1. Generator oscillation detection and alarming
   1. Adds functionality not provided by SCADA or State Estimator
   2. Addresses RC visibility for localized and Inter-area oscillations
2. Generator model validation
   1. Supports [MOD-026-1](http://www.nerc.com/files/MOD-026-1.pdf) Exciter model verification
   2. Supports [MOD-027-1](http://www.nerc.com/files/MOD-027-1.pdf) Turbine/governor model verification
   3. Addresses requirements for TP and GO
3. Post-disturbance analysis and reporting
   1. Supports (future) [PRC-002-2](http://www.nerc.com/pa/Stand/Pages/Project_2007-11_Disturbance_Monitoring.aspx) Disturbance monitoring and reporting requirements
   2. Applies to TOs, GOs, ERCOT

The next PMTF meeting will be held (tomorrow) on July 9, 2014. We will be meeting in Taylor to view a demonstration of ERCOT’s existing RTDMS implementation which is used to analyze phasor data on a real-time basis. We will also continue to work on our draft Synchrophasor Technology Assessment.

The 2014 meeting & WebEx schedule has been established and is posted. The PMTF list-serv now has 43 subscribers.

A draft “ERCOT Synchrophasor Communication Handbook” has been developed. It is presently being reviewed by PMTF members.

The August 2014 meeting will include a guest speaker from MATLAB on the topic of generator model validation.

ERCOT RTDMS software training is planned for September 2014 in Taylor.

The October NASPI meeting will be held in Houston.

*Submitted by Kris Koellner, PMTF Chair, 7/8/14*