ERCOT Phasor Measurement Task Force (PMTF)

monthly report to

ERCOT Reliability Operation Subcommittee (ROS)

September 4, 2014

**PMTF meetings since last ROS meeting:**

The PMTF last met on 7/9/14 and 8/6/14. The July meeting was focused on Real-time/Operational topics, while the August meeting was focused on Off-line/Model Validation topics. At both meetings, we continued to review draft language for our “ERCOT Synchrophasor Technology Assessment” report and “ERCOT Synchrophasor Communication Handbook”. We have also begun to draft ERCOT binding language regarding PMU placement and PMU technical capabilities that will be recommended to ROS.

**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 is planned for 9/3/14 (tomorrow); the agenda & WebEx info has been posted. This meeting will focus exclusively on document review, with no technical topics planned.

The full 2014 meeting & WebEx schedule is posted. The PMTF list-serv now has 47 subscribers.

ERCOT RTDMS software training is scheduled for September 2014 in Taylor. A market notice announcement has been sent out.

The October 22-23 NASPI meeting will be held in Houston.

*Submitted by Kris Koellner, PMTF Chair, 9/2/14*