10.6.1.2 TSP and DSP Testing Requirements for EPS Metering Facilities

(1) At a minimum, the TSP and DSP EPS Meter Inspector shall conduct testing of EPS Meters on an annual basis, within the same month of each year as the previous year’s test. Metering Facilities used in the ERCOT system for settlement must be tested pursuant to the TSP or DSP tariffs, the Settlement Metering Operating Guide and these Protocols.

(2) Instrument transformers used in settlement metering circuits must be tested per the American National Standards Institute (ANSI) C12.1, Code for Electricity Metering, and the following guidelines:

(a) Magnetic Instrument Transformers do not require periodic testing;

(b) Coupling Capacitor Voltage Transformers (CCVTs) shall be tested for accuracy:

(i) By the end of the year in which the fifth anniversary of the previous test occurs; or

(ii) By the end of the year in which the sixth anniversary of the previous test occurs, if the previous test occurred during the fourth quarter of the year.

(c) At the end of the year of the fifth anniversary of the original CCVT testing a TSP or DSP may request in writing to be exempt from 10.6.1.2(2)(b) above for a period of 15 years by agreeing to perform monitoring of the phase voltages along with the following requirements:

(i) The TSP or DSP shall perform monitoring of the phase voltages ensuring that the voltages do not fall outside 1.6% of the other two phases; or

(ii) The TSP or DSP shall perform monitoring of the voltages of two CCVTs that are physically located on the same phase of the same electrical buss ensuring that the voltages do not fall outside 0.6% of each other.

(iii) The TSP or DSP will review this monitoring monthly to ensure that the voltages do not exceed the parameters defined in10.6.1.2(2)(c)(i) or 10.6.1.2.(2)(c)(ii) on a continuous basis for a period of one month. This review may be an automated or manual process.

(iv) The TSP or DSP shall add comments to the annual meter test report that voltage monitoring is being performed as per 10.6.1.2(2)(c)(i) or 10.6.1.2(2)(c)(ii) and there has been no consistent failure lasting a month or longer.

(v) If there is a failure of the voltage monitoring per 10.6.1.2(2)(c)(iv) the TSP or DSP shall remove the CCVT from service with the option to send it back to the manufacturer for testing and calibration.

(vi) The TSP or DSP shall remove the CCVT from service by the end of the year of the 20th anniversary of the original CCVT testing with the option to send it back to the manufacturer for testing and calibration.

(3) ERCOT may determine that periodic testing of CCVTs and or voltage monitoring is not required once these devices have been proven to be stable. If the devices have shown themselves to be unstable, ERCOT may discontinue the use of these devices for settlement purposes.