NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Regional Reliability Standards Announcement

BAL-001-TRE-01

Comment Period: May 31, 2013 – July 15, 2013

Now available

Proposed Standard for the Texas Reliability Entity (TRE)
TRE has requested NERC to post regional reliability standard BAL-001-TRE-01 – Primary Frequency Response in the ERCOT Region for a 45-day industry review as permitted by the NERC Rules of Procedure.

Instructions
Please use the electronic form to submit comments. The comment form must be completed by 8:00 p.m. ET **July 15, 2013.** If you experience any difficulties in using the electronic form, please contact Wendy Muller. An off-line, unofficial copy of the comment form is posted on the regional standards development page.

Background
The TRE BAL Standard: BAL-001-TRE-1 ("TRE Primary Frequency Response in the ERCOT Region Standard") was developed to maintain Interconnection steady-state frequency within defined limits by balancing real power demand and supply in real-time.

The ERCOT Interconnection was initially given a waiver of BAL-001 R2. In FERC Order 693 the NERC was directed to develop a Regional Standard as an alternate means of assuring frequency performance in the ERCOT Interconnection. NERC was explicitly directed to incorporate key elements of the existing Protocols, Section 5.9. This required governors to be in service and performing with an un-muted response to assure an Interconnection minimum Frequency Response to a Frequency Measurable Event.

This regional standard provides requirements related to identifying Frequency Measureable Events, calculating the Primary Frequency Response of each resource in the Region, calculating the Interconnection minimum Frequency Response and monitoring the actual Frequency Response of the Interconnection, setting Governor deadband and droop parameters, and providing Primary Frequency Response performance requirements.

Under this standard, two Primary Frequency Response performance measures are calculated: "initial" and "sustained." The initial PFR performance (R9) measures the actual response compared to the expected response in the period from 20 to 52 seconds after an FME starts. The sustained PFR performance (R10) measures the best actual response between 46 and 60 seconds after t(0) compared to the expected response based on the system frequency at a point 46 seconds after t(0). In this regional standard the term "resource" is synonymous with "generating unit/generating facility".

Regional Reliability Standards Development Process

Section 300 of the *Rules of Procedure for the Electric Reliability Organization* governs the regional reliability standards development process. The success of the NERC standards development process depends on stakeholder participation. We extend our thanks to all those who participate.

For more information or assistance, please contact Wendy Muller, Standards Development Administrator, at wendy.muller@nerc.net or at 404-446-2560.

North American Electric Reliability Corporation
3353 Peachtree Rd.NE
Suite 600, North Tower
Atlanta, GA 30326
404-446-2560 | www.nerc.com