



NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Regional Reliability Standards Announcement

Comment Period Open for IRO-006-TRE-1

July 7- August 22, 2011

Now available at:

http://www.nerc.com/filez/regional_standards/regional_reliability_standards_under_development.html

Proposed Standard for the Texas Reliability Entity (TRE)

Texas Reliability Entity has requested NERC to post regional reliability standard IRO-006-TRE-1 — IROL and SOL Mitigation in the ERCOT Interconnection for a 45-day industry review as permitted by the NERC Rules of Procedure.

Instructions

Please use this [electronic form](#) to submit comments. If you experience any difficulties in using the electronic form, please contact Monica Benson at Monica.benson@nerc.net. An off-line, unofficial copy of the comment form is posted on the regional standards development page:

http://www.nerc.com/filez/regional_standards/regional_reliability_standards_under_development.html

Background

NERC Reliability Standards require the establishment of Operating Plans, monitoring of the system, and mitigation of limit exceedances by operational actions which may include implementing re-dispatch of system resources and facilities. The ERCOT regional congestion management process is used to achieve this purpose in the ERCOT Region. The requirements and responsibilities for the process are described in the ERCOT Nodal Protocols (Protocols) and Nodal Operating Guides. The Protocols and Nodal Operating Guides are binding documents established by the ERCOT Nodal electricity market.

The ERCOT Nodal electricity market construct provides for meeting reliability requirements through a robust system of operating actions that use ancillary services in dispatch actions by the ERCOT Independent System Operator (ISO). The ancillary services are procured and deployed through a comprehensive market system to ensure reliable operations in accordance with the NERC Reliability Standards, as well as with the Protocols and Nodal Operating Guides. ERCOT uses a centralized energy dispatch process as described in the Protocols and applies Equipment Operating Ratings and Limits as described in the Protocols.

ERCOT market dispatch is done using the energy dispatch process according to the Protocols. Market-based congestion management techniques are embedded in a Security Constrained Economic Dispatch (SCED) process. This IRO-006-TRE-1 Regional Standard is not intended to apply to routine system dispatch using SCED. This standard applies when an IROL or SOL exceedance is identified (or anticipated), and extraordinary transmission loading relief procedures (non-market dispatch) are required to mitigate (or avoid) the exceedance.

For the purposes of this standard, the following are considered to be part of routine system dispatch and are not subject to this standard: (1) dispatch under normal SCED operation; (2) redispatch using manual SCED operation; (3) remedial action plans; and (4) pre-contingency action plans.

Situations where the Market system fails to reach a solution are addressed as failure(s) of the SCED process and are considered reason for an Emergency Notice. Typically, actions taken for transmission loading relief which would be subject to this standard would be taken within the context of an Emergency Notice. Such actions may include, for example: (1) system reconfiguration (pre- and post-contingency); (2) non-synchronous transfer of load to other systems not within the ERCOT Interconnection; and (3) reduction of interruptible or firm load.

This proposed ERCOT regional standard provides enforceable requirements and measures relating to the process that is used in the ERCOT Interconnection to effect transmission loading relief. NERC Project 2006-08 includes the continent-wide standard IRO-006-5, which prescribes a requirement for all Interconnections in the North American continent, and regional standard IRO-006-EAST-1, which prescribes Interconnection-wide requirements for the Eastern Interconnection. A corresponding WECC Regional Standard was recently approved by FERC. The NERC Transmission Loading Relief drafting team requested ERCOT to address the FERC directive (Paragraph 964 of Order 693) regarding the description of the ERCOT Interconnection-wide congestion management process. This Regional Standard is responsive to that request.

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 Monica Benson,
Standards Process Administrator at monica.benson@nerc.net or at 404-446-2560.*