

## Standard Authorization Request Form

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Texas RE to Complete

**SAR No: 009**

Title of Proposed Standard	ERCOT Region Transmission Congestion Management
Request Date	June 4, 2010

SAR Requester Information	SAR Type (Check a box for each one that applies.)	
Name           ERCOT ISO	<input checked="" type="checkbox"/>	New Standard
Primary Contact   H. Steven Myers	<input type="checkbox"/>	Revision to existing Standard
	<input type="checkbox"/>	Revision to the Standard Development Process
Telephone       512-248-3077	<input type="checkbox"/>	Withdrawal of existing Standard
Fax               512-248-6560	<input type="checkbox"/>	Variance to a NERC Standard ( Indicate which one)
E-mail           smyers@ercot.com	<input type="checkbox"/>	Urgent Action

**Purpose** (Describe what the standard action will achieve in support of bulk power system reliability.)

The proposed Regional Reliability Standard will support bulk power system reliability by providing enforceable requirements associated with the existing ERCOT congestion management procedures. This proposed Regional Standard addresses the FERC directive in Paragraph 964 of Order 693, where FERC found that the ERCOT transmission load relief procedures were superior to the national standard, and directed the ERO to provide Reliability Standards including Requirements, Measures and Levels of Non-Compliance corresponding to the ERCOT procedures for application in the ERCOT Region.

The draft Regional Reliability Standard, which is attached to this SAR, complies with the FERC directive by providing proposed Requirements and Measures corresponding to the relevant ERCOT transmission load relief procedures (congestion management procedures).

**Industry Need** (Provide a justification for the development or revision of the standard, including an assessment of the reliability and market interface impacts of implementing or not implementing the standard action.)

This proposed Regional Reliability Standard is being filed in response to a FERC directive, in order to provide enforceable requirements associated with existing ERCOT transmission load relief (congestion management) procedures. No changes to the existing ERCOT procedures are proposed by this SAR.

**Brief Description** (Provide a paragraph that describes the scope of this standard action.)

Section 7 of the ERCOT Protocols prescribes the procedures for managing congestion on the ERCOT Region transmission system. (Section 5 of the ERCOT Nodal Protocols.) In essence, congestion is managed by re-dispatching supply resources to respect transmission system operating limits.

**Detailed Description** (Provide a description of the proposed project with sufficient details for the standard drafting team to execute the SAR.)

FERC Order 693, ¶ 964, includes the following finding and directive:

“In addition, the Commission approves the WECC and ERCOT load relief procedures as superior to the national Reliability Standard. As identified in the NOPR, the Commission directs the ERO to modify the WECC and ERCOT procedures to ensure consistency with the standard form of the Reliability Standards including Requirements, Measures and Levels of Non-Compliance.”

This SAR proposes a Regional Reliability Standard (attached hereto) that complies with that directive. Five requirements are proposed that describe the obligations of the applicable entities in executing the existing congestion management procedures in the ERCOT Region, which are contained in Section 7 of the ERCOT Protocols (zonal). The proposed requirements obligate the Reliability Coordinator to mitigate system limit (SOL and/or IROL) exceedances by using established congestion management procedures, which include re-dispatch of supply to respect system limits while serving all demand. In addition to re-dispatching supply resources, the Reliability Coordinator (RC) may manage system limits by directing actions to be taken with respect to the operation of transmission equipment while respecting all reliability limits. In managing this process, the RC issues instructions to Generator Operators (GOP) for re-dispatch, and to Transmission Operators (TOP) for actions related to operation of the transmission system. The requirements in the proposed standard also impose obligations on GOP and TOP functional entities to comply with RC congestion management instructions. Measures are provided for each requirement that describe acceptable forms of evidence that demonstrate each relevant entity complied with its obligations under the relevant requirements. The SDT will develop levels of non-compliance and other elements of the Regional Reliability Standard and related documents.

**Reliability Functions**

For a more detailed description of the Reliability Functions, please refer to [NERC Function Model V3](#)

<b>The Standard will Apply to the Following Functions</b> (Check box for each one that applies.)	
<input type="checkbox"/> Transmission Owner	<input type="checkbox"/> Transmission Service Provider
<input type="checkbox"/> Generator Owner	<input checked="" type="checkbox"/> Generator Operator
<input type="checkbox"/> Balancing Authority	<input type="checkbox"/> Interchange Authority
<input checked="" type="checkbox"/> Reliability Coordinator	<input type="checkbox"/> Purchasing-Selling Entity
<input type="checkbox"/> Resource Planner	<input type="checkbox"/> Load-Serving Entity
<input type="checkbox"/> Distribution Provider	<input type="checkbox"/> Planning Coordinator
<input type="checkbox"/> Transmission Planner	<input checked="" type="checkbox"/> Transmission Operator

**Reliability and Market Interface Principles**

<b>Applicable Reliability Principles</b> (Check box for all that apply.)	
<input checked="" type="checkbox"/>	1. Interconnected bulk power systems shall be planned and operated in a coordinated manner to perform reliably under normal and abnormal conditions as defined in the NERC Standards.
<input checked="" type="checkbox"/>	2. The frequency and voltage of interconnected bulk power systems shall be controlled within defined limits through the balancing of real and reactive power supply and demand.
<input checked="" type="checkbox"/>	3. Information necessary for the planning and operation of interconnected bulk power systems shall be made available to those entities responsible for planning and operating the systems reliably.
<input type="checkbox"/>	4. Plans for emergency operation and system restoration of interconnected bulk power systems shall be developed, coordinated, maintained and implemented.

<input type="checkbox"/>	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.
<input type="checkbox"/>	6. Personnel responsible for planning and operating interconnected bulk power systems shall be trained, qualified, and have the responsibility and authority to implement actions.
<input checked="" type="checkbox"/>	7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis.
<input type="checkbox"/>	8. Bulk power systems shall be protected from malicious physical or cyber attacks.
<b>Does the proposed Standard comply with all of the following Market Interface Principles?</b> <i>(Select 'yes' or 'no' from the drop-down box.)</i>	
1. A reliability standard shall not give any market participant an unfair competitive advantage. Yes	
2. A reliability standard shall neither mandate nor prohibit any specific market structure. Yes	
3. A reliability standard shall not preclude market solutions to achieving compliance with that standard. Yes	
4. A reliability standard shall not require the public disclosure of commercially sensitive information. All market participants shall have equal opportunity to access commercially non-sensitive information that is required for compliance with reliability standards. Yes	

***Related Standards***

Standard No.	Explanation
NERC Reliability Standard IRO-006	NERC Reliability Standard IRO-006 is presently undergoing revision. The NERC drafting team has requested ERCOT to address the FERC Order 693 directive to the ERO to replace the reference to the "Interconnection-wide transmission loading relief procedures for use in ERCOT", as described in the ERCOT Protocols, with standards requirements for transmission loading relief within the ERCOT region.

***Related SARs***

SAR ID	Explanation