

Standard Authorization Request Form

E-mail completed form to rsm@texasre.org

Title of Proposed Standard	Development and Documentation of Regional UFLS Programs
Request Date	April 18, 2008

SAR Requester Information	SAR Type (Check a box for each one that applies.)	
Name Farzaneh Tafreshi	☒	New Standard
Primary Contact Farzaneh Tafreshi	☐	Revision to existing Standard
	☐	Revision to the Standard Development Process
Telephone 512-225-7251	☐	Withdrawal of existing Standard
Fax	☐	Variance to a NERC Standard (Indicate which one)
E-mail Farzaneh.Tafreshi@texasre.org	☐	Urgent Action

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

The purpose of this standard will be to establish requirements to arrest declining frequency and assist recovery of frequency following a frequency excursion event in support of the continent-wide standard Automatic Under Frequency Load Shedding (UFLS).

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.)

A UFLS program is required to preserve the security of the generation and interconnected transmission systems during declining system frequency events.

The region has been successfully implementing its existing UFLS program for many years.

This regional standard is intended to use this program as the basis to develop high-quality requirements to provide for an adequate level of reliability for the bulk power system for the UFLS programs that are specific to the ERCOT region.

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

This regional standard will provide system preservation measures by implementing a UFLS program.

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

Project 2007-01 – Under Frequency Load Shedding is currently under development by a NERC Drafting Team.

This regional standard shall incorporate all requirements necessary to ensure compliance with the final stakeholder approved NERC UFLS project.

Reliability Functions

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

The Standard will Apply to the Following Functions (Check box for each one that applies.)	
☒ Transmission Owner	☐ Transmission Service Provider
☐ Generator Owner	☐ Generator Operator
☒ Balancing Authority	☐ Interchange Authority
☒ Reliability Coordinator	☐ Purchasing-Selling Entity
☐ Resource Planner	☒ Load-Serving Entity
☒ Distribution Provider	☐ Planning Coordinator
☒ Transmission Planner	☐ Transmission Operator

Reliability and Market Interface Principles

Applicable Reliability Principles (Check box for all that apply.)	
☒	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.
☒	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.
☐	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.
☒	4. Plans for emergency operation and system restoration of interconnected bulk power systems shall be developed, coordinated, maintained and implemented.

☒	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.
☐	6. Personnel responsible for planning and operating interconnected bulk power systems shall be trained, qualified, and have the responsibility and authority to implement actions.
☐	7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis.
☐	8. Bulk power systems shall be protected from malicious physical or cyber attacks.
Does the proposed Standard comply with all of the following Market Interface Principles? (Select 'yes' or 'no' from the drop-down box.)	
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

Related SARs

SAR ID	Explanation