

Standard Authorization Request (SAR) Form

Title of Proposed Standard:	Operate Within Limits - Monitor and Assess Short-term Transmission
Request Date:	March 7, 2002
Authorized for Posting:	March 20, 2002
SAR ID# :	OPER_WITHN_LMTS_01_01

SAR Requestor Information	SAR Type (Put an 'x' in front of one of these selections)	
Name: Jim Byrd	X	New Standard
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Purpose/Industry Need (Provide one or two sentences)

To establish a standard that requires the bulk electric transmission system be operated within established limits.

Brief Description (A few sentences or a paragraph) Provide enough detail so that an independent entity familiar with the industry could draft a Standard based on this description.)

Establish a standard that requires adherence to operating limits. Requirements shall include items such as real time monitoring of system parameters against operating limits, correcting limit violations, performing short-term (e.g., next-day) and real-time transmission reliability analyses, etc.

SAR: Operate Within Limits - Monitor and Assess Short-term Transmission Reliability

Reliability Functions

The Standard will Apply to the Following Functions (Put an 'X' in front of each one that applies)		
X	Reliability Authority	Ensures the reliability of the bulk transmission system within its Security Authority Area. This is the highest reliability authority.
X	Balancing Authority	Integrates resource plans ahead of time, and maintains load-interchange-resource balance within its metered boundary and supports system frequency in real time
	Interchange Authority	Authorizes valid and balanced Interchange Schedules
	Planning Authority	Plans the bulk electric system
	Transmission Service Provider	Provides transmission services to qualified market participants under applicable transmission service agreements
	Transmission Owner	Owns transmission facilities
X	Transmission Operator	Operates and maintains the transmission facilities, and executes switching orders
	Distribution Provider	Provides and operates the "wires" between the transmission system and the customer
	Generator	Owns and operates generation unit(s) or runs a market for generation products that performs the functions of supplying energy and Interconnected Operations Services
	Purchasing-Selling Entity	The function of purchasing or selling energy, capacity and all necessary Interconnected Operations Services as required.
	Load-Serving Entity	Secures energy and transmission (and related generation services) to serve the end user

SAR: Operate Within Limits - Monitor and Assess Short-term Transmission Reliability

Reliability and Market Interface Principles

Applicable Reliability Principles (Put an 'x' in front of all that apply)	
X	1. Interconnected bulk electric systems shall be planned and operated in a coordinated manner to perform reliably under normal and abnormal conditions.
X	2. The frequency of interconnected bulk electric systems shall be controlled within defined limits through the balancing of electric supply and demand
X	3. Information necessary for planning and operation of interconnected bulk electric 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 electric systems shall be developed, coordinated, maintained and implemented
X	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk electric systems
X	6. Personnel responsible for planning and operating interconnected bulk electric systems shall be trained, qualified and have the responsibility and authority to implement actions
X	7. The security of the interconnected bulk electric systems shall be assessed, monitored and maintained on a wide area basis
<p>Does the proposed Standard comply with all of the following Market Interface Principles?</p> <p style="text-align: right;">Yes</p> <p><i>(Enter 'yes' or 'no')</i></p>	
1. Interconnected The planning and operation of bulk electric systems shall recognize that reliability is an essential requirement of a robust North American economy	
2. An Organization Standard shall not give any market participant an unfair competitive advantage	
3. An Organization Standard shall neither mandate nor prohibit any specific market structure	
4. An Organization Standard shall not preclude market solutions to achieving compliance with that Standard	
5. An Organization 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	