

When completed, email to: gerry.cauley@nerc.net

Standard Authorization Request Form

Title of Proposed Standard	Reliability Coordination – Transmission Loading Relief IRO-006-0
Request Date	07/14/05

SAR Requestor Information	SAR Type (Put an 'x' in front of one of these selections)
Name Roger Harszy - Chairman Operating Reliability Subcommittee	<input type="checkbox"/> New Standard
Primary Contact Roger Harszy	<input checked="" type="checkbox"/> Revision to existing Standard
Telephone (317) 249-5400	<input type="checkbox"/> Withdrawal of existing Standard
Fax (317) 249-5910	
E-mail rharszy@midwestiso.org	<input type="checkbox"/> Urgent Action

Purpose/Industry Need (Provide one or two sentences)

In August 2004, NERC and NAESB agreed to immediately begin a joint effort to update the Eastern Interconnection TLR Procedure, as reflected in Attachment 1 to reliability standard IRO-006-0, to divide the reliability requirements and business practices, and to incorporate other necessary improvements to the TLR procedure. In December 2004 NERC and NAESB formed the joint TLR Subcommittee to clarify and focus Attachment 1 to NERC reliability standard IRO-006-0 on the TLR requirements that are necessary for reliability, as distinguished from those TLR requirements that are business practices.

Reliability Functions

The Standard will Apply to the Following Functions (Check box for each one that applies by double clicking the grey boxes.)		
<input checked="" type="checkbox"/>	Reliability Authority	Ensures the reliability of the bulk transmission system within its Reliability Authority area. This is the highest reliability authority.
<input checked="" type="checkbox"/>	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
<input type="checkbox"/>	Interchange Authority	Authorizes valid and balanced Interchange Schedules
<input type="checkbox"/>	Planning Authority	Plans the bulk electric system
<input type="checkbox"/>	Resource Planner	Develops a long-term (>1year) plan for the resource adequacy of specific loads within a Planning Authority area.
<input type="checkbox"/>	Transmission Planner	Develops a long-term (>1 year) plan for the reliability of transmission systems within its portion of the Planning Authority area.
<input checked="" type="checkbox"/>	Transmission Service Provider	Provides transmission services to qualified market participants under applicable transmission service agreements
<input checked="" type="checkbox"/>	Transmission Owner	Owns transmission facilities
<input checked="" type="checkbox"/>	Transmission Operator	Operates and maintains the transmission facilities, and executes switching orders
<input type="checkbox"/>	Distribution Provider	Provides and operates the “wires” between the transmission system and the customer
<input checked="" type="checkbox"/>	Generator Owner	Owns and maintains generation unit(s)
<input checked="" type="checkbox"/>	Generator Operator	Operates generation unit(s) and performs the functions of supplying energy and Interconnected Operations Services
<input checked="" type="checkbox"/>	Purchasing-Selling Entity	The function of purchasing or selling energy, capacity and all necessary Interconnected Operations Services as required
<input checked="" type="checkbox"/>	Market Operator	Integrates energy, capacity, balancing, and transmission resources to achieve an economic, reliability-constrained dispatch.
<input checked="" type="checkbox"/>	Load-Serving Entity	Secures energy and transmission (and related generation services) to serve the end user

Reliability and Market Interface Principles

Applicable Reliability Principles (Check boxes for all that apply by double clicking the grey boxes.)	
<input checked="" type="checkbox"/>	1. Interconnected bulk electric 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 type="checkbox"/>	2. The frequency and voltage of interconnected bulk electric 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 electric systems shall be made available to those entities responsible for planning and operating the systems reliably.
<input checked="" type="checkbox"/>	4. Plans for emergency operation and system restoration of interconnected bulk electric systems shall be developed, coordinated, maintained and implemented.
<input checked="" type="checkbox"/>	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk electric systems.
<input type="checkbox"/>	6. Personnel responsible for planning and operating interconnected bulk electric 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 electric systems shall be assessed, monitored and maintained on a wide area basis.
Does the proposed Standard comply with all of the following Market Interface Principles? (Select 'yes' or 'no' from the drop-down box by double clicking the grey area.)	
1. The planning and operation of bulk electric systems shall recognize that reliability is an essential requirement of a robust North American economy. Yes	
2. An Organization Standard shall not give any market participant an unfair competitive advantage. Yes	
3. An Organization Standard shall neither mandate nor prohibit any specific market structure. Yes	
4. An Organization Standard shall not preclude market solutions to achieving compliance with that Standard. Yes	
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. Yes	

Detailed Description (Provide enough detail so that an independent entity familiar with the industry could draft, modify, or withdraw a Standard based on this description.)

NERC and NAESB formed the joint TLR Subcommittee with the charge to review Attachment 1 (Transmission Loading Relief Procedure — Eastern Interconnection) of IRO-006-0 (Reliability Coordination — Transmission Loading Relief), and to identify each reliability requirement and business practice embedded within the the TLR procedure. The joint NERC/NAESB TLR Subcommittee completed its charge on June 1, 2005, when the subcommittee approved a revised Attachment 1 to IRO-006-0 and a revision to the NAESB TLR business practices. The revised TLR reliability standards, (i.e. Attachment 1), are attached to this Standards Authorization Request.

During the course of the TLR subcommittee's effort to separate Attachment 1 into reliability standards under NERC's purview and business practices under NAESB's purview, the subcommittee developed a matrix, which identified the disposition of each paragraph in the existing Attachment 1. That matrix is also attached to this Standards Authorization Request.

This reliability standards development effort will begin by assessing for completeness and accuracy the revised Attachment 1 developed by the TLR Subcommittee using the subcommittee's matrix as a guide.. The end state of this standard development effort is a revised Attachment 1 to reliability standard IRO-006-0.

Related Standards

Standard No.	Explanation
IRO-006-0	Attachment 1 (TLR Procedure) to be replaced by a similar document addressing only the reliability elements of the TLR Procedure.
IRO-006-0	The urgent action revision to Attachment 1 that addressed the holding of dynamic schedules during TLR Level 1-4 will be incorporated into the NAESB TLR business practices.

Related SARs

SAR ID	Explanation

Regional Differences

Region	Explanation
ECAR	
ERCOT	
FRCC	
MAAC	
MAIN	
MAPP	
NPCC	
SERC	
SPP	
WECC	

Related NERC Operating Policies or Planning Standards

ID	Explanation