

Information in a Regional Standard Authorization Request (RSAR)

The tables below identify information to be submitted in a Regional Standard Authorization Request to the NPCC Regional Standards Process Manager, NPCCstandard@npcc.org. The NPCC Regional Standards Process Manager shall be responsible for implementing and maintaining this form as needed to support the information requirements of the standards process.

Regional Standard Authorization Request Form

Title of Proposed Standard:	Special Protection Systems
Request Date:	August 14, 2008

RSAR Requester Information

Name:	Lee Pedowicz	RSAR Type (Check box for one of these selections.)	
Company:	Northeast Power Coordinating Council	<input checked="" type="checkbox"/>	New Standard
Telephone:	212-840-1070	<input type="checkbox"/>	Revision to Existing Standard
Fax:	212-302-2782	<input type="checkbox"/>	Withdrawal of Existing Standard
Email:	lpedowicz@npcc.org	<input type="checkbox"/>	Urgent Action

Purpose (Describe the purpose of the proposed standard – what the standard will achieve in support of reliability.)

To support and enhance bulk power system reliability, this Standard will establish the criteria for the minimum design objectives and practices for special protection systems, the purpose of which are to detect abnormal system conditions, and take corrective actions other than the isolation of faulted elements to maintain the stability and security of the bulk power system. This Standard will also establish the requirements for close coordination between system planning, design, operating, maintenance and protection functions of areas to ensure that the impacts of special protection system operations do not result in a significant adverse impact.

Industry Need (Provide a detailed statement justifying the need for the proposed standard, along with any supporting documentation.)

A regional Standard is needed to provide the criteria for the design and approval of Special Protection Systems that affect the bulk power system that will, after the detection of abnormal system conditions, take corrective actions which may include changes in load, generation, and system configuration.

Brief Description (Describe the proposed standard in sufficient detail to clearly define the scope in a manner that can be easily understood by others.)

The proposed Standard will describe the requirements for the design of Special Protection Systems, and the technical criteria required to support its implementation. The Standard will also identify the need for close coordination among various parties to ensure that the Special Protection Systems are implemented correctly, and triggers and resulting actions are made known and communicated in an on-line database.

Reliability Functions

The Standard will Apply to the Following Functions (Check all applicable boxes.)

<input checked="" type="checkbox"/>	Reliability Coordinator	The entity that is the highest level of authority who is responsible for the reliable operation of the Bulk Electric System, has the Wide Area view of the Bulk Electric System, and has the operating tools, processes and procedures, including the authority to prevent or mitigate emergency operating situations in both next-day analysis and real-time operations. The Reliability Coordinator has the purview that is broad enough to enable the calculation of Interconnection Reliability Operating Limits, which may be based on the operating parameters of transmission systems beyond any Transmission Operator's vision.
<input type="checkbox"/>	Balancing Authority	The responsible entity that integrates resource plans ahead of time, maintains load-interchange-generation balance within a Balancing Authority Area, and supports Interconnection frequency in real time.

<input type="checkbox"/>	Interchange Authority	Authorizes valid and balanced Interchange Schedules.
<input checked="" type="checkbox"/>	Planning Authority	The responsible entity that coordinates and integrates transmission facility and service plans, resource plans, and protection systems.
<input type="checkbox"/>	Transmission Service Provider	The entity that administers the transmission tariff and provides Transmission Service to Transmission Customers under applicable transmission service agreements.
<input checked="" type="checkbox"/>	Transmission Owner	The entity that owns and maintains transmission facilities.
<input checked="" type="checkbox"/>	Transmission Operator	The entity responsible for the reliability of its “local” transmission system, and that operates or directs the operations of the transmission facilities.
<input checked="" type="checkbox"/>	Transmission Planner	The entity that develops a long-term (generally one year and beyond) plan for the reliability (adequacy) of the interconnected bulk electric transmission systems within its portion of the Planning Authority Area.
<input type="checkbox"/>	Resource Planner	The entity that develops a long-term (generally one year and beyond) plan for the resource adequacy of specific loads (customer demand and energy requirements) within a Planning Authority Area.
<input checked="" type="checkbox"/>	Generator Operator	The entity that operates generating unit(s) and performs the functions of supplying energy and Interconnected Operations Services.
<input checked="" type="checkbox"/>	Generator Owner	Entity that owns and maintains generating units.
<input type="checkbox"/>	Purchasing-Selling Entity	The entity that purchases or sells, and takes title to, energy, capacity, and Interconnected Operations Services. Purchasing-Selling Entities may be affiliated or unaffiliated merchants and may or may not own generating facilities.
<input checked="" type="checkbox"/>	Distribution Provider	Provides and operates the “wires” between the transmission system and the customer.
<input type="checkbox"/>	Load-Serving Entity	Secures energy and transmission service (and related Interconnected Operations Services) to serve the electrical demand and energy requirements of its end-use customers.

Reliability and Market Interface Principles

Applicable Reliability Principles <i>(Check all boxes that apply.)</i>	
<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 checked="" type="checkbox"/>	4. Plans for emergency operation and system restoration of interconnected bulk power 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 power systems.
<input checked="" 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.
Does the proposed Standard comply with all of the following Market Interface Principles? <i>(Select 'yes' or 'no' from the drop-down box.)</i>	
Recognizing that reliability is a Common Attribute of a robust North American economy:	
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	

