

Standard Authorization Request Form

Title of Proposed Standard	Fuel Supply or Delivery Disruption Reporting SAR
Request Date	January 09, 2006

SAR Requestor Information	SAR Type (Put an 'x' in front of one of these selections)	
Name - Resource Issues Subcommittee	<input checked="" type="checkbox"/>	New Standard
Primary Contact - Mary H. Johannis - Chair, RIS	<input type="checkbox"/>	Revision to existing Standard
Telephone 503-230-3047 Fax	<input type="checkbox"/>	Withdrawal of existing Standard
E-mail mhjohannis@bpa.gov	<input type="checkbox"/>	Urgent Action

Purpose/Industry Need

The *Gas/Electricity Interdependencies Task Force (GEITF) Report* that was approved by the NERC Board on June 15, 2004 included the following recommendation:

"NERC should establish a monitoring system that tracks fuel infrastructure contingencies that have, or could have, an adverse impact on electric system reliability."

The NERC Generation Availability Data System (GADS) currently has the capability to track a fuel supply or delivery disruption, but reporting by generators is voluntary and not necessarily complete. This SAR proposes that a standard be developed that makes the reporting of generator unavailability due to fuel supply or delivery disruption mandatory.

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 type="checkbox"/>	Transmission Service Provider	Provides transmission services to qualified market participants under applicable transmission service agreements
<input type="checkbox"/>	Transmission Owner	Owens transmission facilities
<input 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	Owens 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 type="checkbox"/>	Purchasing-Selling Entity	The function of purchasing or selling energy, capacity and all necessary Interconnected Operations Services as required
<input type="checkbox"/>	Market Operator	Integrates energy, capacity, balancing, and transmission resources to achieve an economic, reliability-constrained dispatch.
<input 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 type="checkbox"/>	4. Plans for emergency operation and system restoration of interconnected bulk electric 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 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 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.)

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“NERC should establish a monitoring system that tracks fuel infrastructure contingencies that have, or could have, and adverse impact on electric system reliability.”

The NERC Generation Availability Data System (GADS) currently has the capability to track fuel supply or delivery disruptions, but reporting by generators is voluntary and not necessarily complete. The NERC Resource Issues Subcommittee (RIS) investigated the possibility of using GADS or creating a new database. The RIS concluded that the creation of a new database is unnecessary given that GADS can cover the reporting issue.

This Standard should include the following:

1. Generation Owners should be required to report, regardless of fuel type, all qualifying events (as defined by the Reliability Authority that has responsibility for the area that the generator is located) that change the operating status or capability of generators as a result of a fuel supply or delivery disruption.
2. Fuel supply or delivery disruptions that do not decrease a generator’s capability do not represent a reliability constraint and do not need to be reported.
3. The reporting of such events would be done via GADS in accordance with the GADS Data Reporting Instructions. Those instructions should require a complete description of the cause of any fuel supply or delivery disruption.
4. The confidentiality of any reported data must be maintained according to applicable confidentiality agreement.
5. The mandatory reporting requirement will be limited to the data essential for describing generator unavailability caused by and conveying the nature of any fuel supply or delivery disruption.

Related Standards

Standard No.	Explanation

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