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Standard Authorization Request Form

Title of Proposed Standard Modifications to existing Reliability Standards to provide missing measures and compliance elements necessary to include in the Compliance Monitoring Program

Request Date March 30, 2005 Revised August 2, 2005

SAR Requestor Information	SAR Type (Put an 'x' in front of one of these selections)	
Name Compliance and Certification Managers Committee (CCMC)	<input type="checkbox"/>	New Standard
Primary Contact Ron Ciesiel, Vice Chair CCMC	<input checked="" type="checkbox"/>	Revision to existing Standard
Telephone Fax	<input type="checkbox"/>	Withdrawal of existing Standard
E-mail	<input type="checkbox"/>	Urgent Action

Purpose/Industry Need (Provide one or two sentences)

The translation to Version 0 Reliability Standards was limited to include only existing requirements, measures and compliance administration elements. The CCMC has reviewed the Version 0 standards and identified many existing reliability standards that are missing measures and compliance administration elements. Revisions to these standards are needed to complete the characteristics defined in the Reliability Standards Process Manual and to enable inclusion in the Compliance Monitoring Program. The measures along with associated compliance elements need to be added or revised to enable clearer and more consistent interpretation and application.

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 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 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 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 checked="" 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.)

The translation to Version 0 Reliability Standards was limited to include only existing requirements, measures and compliance administration elements. The CCMC has reviewed the Version 0 standards and identified many existing reliability standards that are missing measures and compliance administration elements. Revisions to these standards are needed to complete the characteristics defined in the Reliability Standards Process Manual and to enable inclusion in the Compliance Monitoring Program.

These standards need to be revised to complete the missing elements. The CCMC recognizes the amount of work that would be required of the industry to revise these reliability standards and as part of this SAR is suggesting a staged work plan. The CCMC also recognizes that the development of reliability standards already underway may impact the need for revision to these existing standards.

The full list of the reliability standards identified is as follows:

CIP-001-0 Sabotage Reporting
COM-001-0 Telecommunications
COM-002-0 Communications and Coordination
EOP-002-0 Capacity and Energy Emergencies
EOP-003-0 Load Shedding Plans
EOP-004-0 Disturbance Reporting
EOP-006-0 Reliability Coordination – System Restoration
INT-001-0 Interchange Transaction Tagging
INT-002-0 Interchange Transaction Tag Communication and Assessment
INT-003-0 Interchange Transaction Implementation
IRO-001-0 Reliability Coordination – Responsibilities and Authorities
IRO-002-0 Reliability Coordination – Facilities
IRO-003-0 Reliability Coordination – Wide Area View
IRO-005-0 Reliability Coordination – Current Day Operations
PER-004-0 Reliability Coordination – Staffing
PRC-001-0 System Protection Coordination
TOP-001-0 Reliability Responsibilities and Authorities
TOP-002-0 Normal Operations Planning
TOP-004-0 Transmission Operations
TOP-006-0 Monitoring System Conditions
TOP-008-0 Response to Transmission Limit Violations
VAR-001-0 Voltage and Reactive Control

We suggest the following plan for revision to these standards to allow implementation into the compliance program in a staged fashion. For the standards indicated for revision in 2006 and beyond, the CCMC expects to review this annually for possible updates to the SAR.

Reliability Standards to revise in 2005 for implementation in 2006:

IRO-005-0, IRO-002-0, TOP-001-0, COM-002-0, COM-001-0

Reliability Standards to revise in 2006 for implementation in 2007:

IRO-003-0, EOP-003-0, EOP-006-0, TOP-004-0, TOP-008-0

Reliability Standards to revise in 2007 for implementation in 2008:

TOP-002-0, IRO-001-0, TOP-006-0, VAR-001-0, EOP-002-0, EOP-004-0

Reliability Standards to revise in 2008 for implementation in 2009:

PER-004-0, CIP-001-0, INT-001-0, INT-002-0, INT-003-0, PRC-001-0

In all cases, the focus of the revision should be the inclusion of the missing information. Only the measures and compliance criteria of the standard will be reviewed, modified, or developed and added.

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