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## Standard Authorization Request Form

Title of Proposed Standard	Provide Missing Measures and Compliance Elements in Existing Standards.
Request Date	March 30, 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 elements. The CCMC has reviewed the Version 0 standards and identified many existing reliability standards that are missing measures and compliance elements. Revisions to these standards are needed to complete the missing elements defined in the Reliability Standards Process Manual and to enable inclusion of these standards in the Compliance Monitoring Program.

During the postings of Version 0 Standards, many commenters expressed concern with the missing compliance elements. The Version 0 Standard Drafting Team recommended those compliance elements be developed as a high priority after approval of the Version 0 Standards.

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

<b>Applicable Reliability Principles</b> (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.
<b>Does the proposed Standard comply with all of the following Market Interface Principles?</b> (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 elements. The CCMC has reviewed the Version 0 standards and identified many existing reliability standards that are missing measures and compliance elements. Revisions to these standards are needed to complete the missing elements defined in the Reliability Standards Process Manual and to enable inclusion of these standards in the Compliance Monitoring Program.

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 proposed for revision to include compliance elements 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 of 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 and submit a SAR for a revised scope if necessary.

Reliability Standards to revise in 2005 for implementation in 2006:

CIP-001-0, VAR-001-0, EOP-002-0, TOP-002-0

Reliability Standards to revise in 2006 for implementation in 2007:

IRO-001-0, IRO-002-0, IRO-003-0, IRO-005-0, PER-004-0, TOP-001-0

Reliability Standards to revise in 2007 for implementation in 2008:

PRC-001-0, COM-001-0, COM-002-0, EOP-003-0, EOP-006-0, TOP-004-0, TOP-008-0

Reliability Standards to revise in 2008 for implementation in 2009:

EOP-004-0, INT-001-0, INT-002-0, INT-003-0, TOP-006-0

In all cases, the focus of the revision should be the inclusion of the missing information; however, the entire standard should be reviewed to ensure that the existing requirements and measures meet the definitions identified in the NERC Reliability Standards Process Manual.

### ***Related Standards***

<b>Standard No.</b>	<b>Explanation</b>
	Please see the detailed description included in this SAR.

### ***Related SARs***

<b>SAR ID</b>	<b>Explanation</b>

### ***Regional Differences***

<b>Region</b>	<b>Explanation</b>
ECAR	
ERCOT	

FRCC	
MAAC	
MAIN	
MAPP	
NPCC	
SERC	
SPP	
WECC	

***Related NERC Operating Policies or Planning Standards***

ID	Explanation