

## Standards Authorization Request Form

When completed, please email this form to:  
[sarcomm@nerc.com](mailto:sarcomm@nerc.com)

NERC welcomes suggestions to improve the reliability of the bulk power system through improved reliability standards. Please use this form to submit your request to propose a new or a revision to a NERC's Reliability Standard.

### Request to propose a new or a revision to a Reliability Standard

Title of Proposed Standard:	Interconnected Reliability Operations (IRO-001-3, IRO-003-2, IRO-004-2, IRO-005-4, IRO-006-EAST-1, IRO-008-1, IRO-009-1, IRO-010-1a) <sup>1</sup>		
Date Submitted:	October 17, 2013		
<b>SAR Requester Information</b>			
Name:	Robert Rhodes		
Organization:	Southwest Power Pool		
Telephone:	(501) 614-3241	E-mail:	rrhodes@spp.org
<b>SAR Type (Check as many as applicable)</b>			
<input type="checkbox"/> New Standard	<input checked="" type="checkbox"/> Withdrawal of existing Standard		
<input checked="" type="checkbox"/> Revision to existing Standard	<input type="checkbox"/> Urgent Action		

### SAR Information

Industry Need (What is the industry problem this request is trying to solve?):

This SAR will address implementation of the Five-Year Review recommendations for these standards consistent with overall NERC efforts to move standards to a steady state.

<sup>1</sup> Project 2014-03, Revisions to TOP and IRO Standards, has already retired IRO-003-2, IRO-004-2, IRO-005-4, IRO-008-1, and IRO-010-1a, leaving only IRO-006-East and IRO-009-1 in need of revision pursuant to the periodic review recommendations. For further information, see the [Project 2014-03 project page](#).

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SAR Information
Purpose or Goal (How does this request propose to address the problem described above?):
To improve the quality, relevance, and clarity of each of the standards and convert the standards into the Results Based Standards format while giving consideration to Paragraph 81 principles and incorporating existing interpretations into the standards.
Identify the Objectives of the proposed standard's requirements (What specific reliability deliverables are required to achieve the goal?):
To increase the effectiveness of the eight standards in their ability to ensure reliability of the BES.
Brief Description (Provide a paragraph that describes the scope of this standard action.)
<p>The IRO SDT will consider the comments received from the IRO FYRT, which includes consideration of industry comments and the report from the Industry Expert Review Panel.</p> <p>Recommendations for consideration are:</p> <ul style="list-style-type: none"> <li>• Modify the requirement to improve its clarity and measurability while removing ambiguity</li> <li>• Move and/or streamline requirements</li> <li>• Eliminate requirements based on P81 criteria</li> </ul> <p>To ensure a seamless transition from the IRO FYRT to the future IRO SDT, the IRO FYRT recommends the inclusion of interested IRO FYRT members to participate on the IRO SDT. In addition, the IRO FYRT should provide a high-level overview of their recommendations as a formal kick-off to the initial meeting to the future IRO SDT.</p>
Detailed Description (Provide a description of the proposed project with sufficient details for the standard drafting team to execute the SAR. Also provide a justification for the development or revision of the standard, including an assessment of the reliability and market interface impacts of implementing or not implementing the standard action.)
See the attached Five-Year Review templates of the eight standards, consideration of comments, issues and directives list, redlined standards, and the Industry Experts' anyalsis.

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Reliability Functions	
The Standard will Apply to the Following Functions (Check each one that applies.)	
<input checked="" type="checkbox"/> Reliability Coordinator	Responsible for the real-time operating reliability of its Reliability Coordinator Area in coordination with its neighboring Reliability Coordinator’s wide area view.
<input checked="" type="checkbox"/> Balancing Authority	Integrates resource plans ahead of time, and maintains load-interchange-resource balance within a Balancing Authority Area and supports Interconnection frequency in real time.
<input type="checkbox"/> Interchange Authority	Ensures communication of interchange transactions for reliability evaluation purposes and coordinates implementation of valid and balanced interchange schedules between Balancing Authority Areas.
<input type="checkbox"/> Planning Coordinator	Assesses the longer-term reliability of its Planning Coordinator Area.
<input type="checkbox"/> Resource Planner	Develops a >one year plan for the resource adequacy of its specific loads within a Planning Coordinator area.
<input type="checkbox"/> Transmission Planner	Develops a >one year plan for the reliability of the interconnected Bulk Electric System within its portion of the Planning Coordinator area.
<input checked="" type="checkbox"/> Transmission Service Provider	Administers the transmission tariff and provides transmission services under applicable transmission service agreements (e.g., the pro forma tariff).
<input type="checkbox"/> Transmission Owner	Owns and maintains transmission facilities.
<input checked="" type="checkbox"/> Transmission Operator	Ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area.
<input type="checkbox"/> Distribution Provider	Delivers electrical energy to the End-use customer.
<input type="checkbox"/> Generator Owner	Owns and maintains generation facilities.
<input type="checkbox"/> Generator Operator	Operates generation unit(s) to provide real and reactive power.
<input type="checkbox"/> Purchasing-Selling Entity	Purchases or sells energy, capacity, and necessary reliability-related services as required.
<input type="checkbox"/> Market Operator	Interface point for reliability functions with commercial functions.

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Reliability Functions	
<input checked="" type="checkbox"/> Load-Serving Entity	Secures energy and transmission service (and reliability-related services) to serve the End-use Customer.

Reliability and Market Interface Principles	
Applicable Reliability Principles (Check all that apply).	
<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 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 type="checkbox"/>	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.
<input 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 type="checkbox"/>	7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis.
<input type="checkbox"/>	8. Bulk power systems shall be protected from malicious physical or cyber attacks.
Does the proposed Standard comply with all of the following Market Interface Principles?	
1. A reliability standard shall not give any market participant an unfair competitive advantage.	Enter (yes/no) 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

## Standards Authorization Request Form

Related Standards	
Standard No.	Explanation
	None

Related SARs	
SAR ID	Explanation
	None
	None

Regional Variances	
Region	Explanation
ERCOT	
FRCC	
MRO	
NPCC	
RFC	

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Regional Variances	
SERC	
SPP	
WECC	