

Standards Authorization Request Form

When completed, email this form to:

Howard.Gugel@nerc.net / Valerie.Agnew@nerc.net

For questions about this form or for assistance in completing the form, call [Howard Gugel](tel:404-446-2566) / [Valerie Agnew](tel:404-446-2566) at 404-446-2566/9693.

NERC welcomes suggestions for improving the reliability of the Bulk-Power System through improved Reliability Standards. Please use this form to submit your proposal for a new NERC Reliability Standard or a revision to an existing standard.

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

Proposed Standard:	PRC-005-6		
Date Submitted:	May 21, 2015		
SAR Requester Information			
Name:	Charles Rogers		
Organization:	Protection System Maintenance Standard Drafting Team		
Telephone:	517-788-0027	E-mail:	Charles.Rogers@cmsenergy.com
SAR Type (Check as many as applicable)			
<input type="checkbox"/>	New Standard	<input type="checkbox"/>	Withdrawal of existing Standard
<input checked="" type="checkbox"/>	Revision to existing Standard	<input type="checkbox"/>	Urgent Action

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SAR Information
Industry Need (What is the industry problem this request is trying to solve?):
In Order No. 803, FERC approved Standard PRC-005-3 and, in Paragraph 31, directed that: "...pursuant to section 215(d)(5) of the FPA, NERC develop modifications to PRC-005-3 to include supervisory devices associated with auto-reclosing relay schemes to which the Reliability Standard applies. Further, we clarify that NERC’s proposal regarding the scope of supervisory devices is an acceptable approach to satisfy the Commission directive. Specifically, NERC proposed in its NOPR comments, and we find acceptable, that the scope of the supervisory devices to be encompassed in the Reliability Standard are those providing voltage supervision, supervisory inputs associated with selective auto-reclosing, and sync-check relays that are part of a reclosing scheme covered by PRC-005-3."

SAR Information
Purpose or Goal (How does this request propose to address the problem described above?):
The <u>Standard Drafting Team (SDT)</u> shall consider modifications, as needed, to address the FERC directive contained in Order 803 resulting from the Commission’s consideration of PRC-005-3. The Supplementary Reference Document (provided as a technical reference for PRC-005-3) should also be modified to provide the rationale for the maintenance activities and intervals within the revised standard, as well as to provide application guidance to industry.
Identify the Objectives of the proposed standard’s requirements (What specific reliability deliverables are required to achieve the goal?):
Provide clear, unambiguous requirements, standard specific definitions standard(s) , and advisory guidance to address the directives in FERC Order 803.
Brief Description (Provide a paragraph that describes the scope of this standard action.)
The Standard Drafting Team (SDT) shall modify NERC Standard PRC-005-3 to explicitly address the directive in Order 803. The SDT shall also consider changes to the standard and supporting documents that provide consistency and alignment with other Reliability Standards.

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SAR Information

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.)

The SDTs execution of this [Standard Authorization Request \(SAR\)](#) requires the SDT to address the directive in FERC Order 803. The SDT will develop requirement(s) to include supervisory devices associated with automatic reclosing relay schemes to which the Reliability Standard applies. The SDT may elect to propose revisions to the standard regarding the scope of supervisory devices as an acceptable approach to satisfy the Commission directive, as proposed in the [Notice of Proposed Rulemaking \(NOPR\)](#) comments submitted by NERC. Specifically, NERC proposed that the scope of the supervisory devices to be encompassed in the Reliability Standard are those providing voltage supervision, supervisory inputs associated with selective automatic reclosing, and synchronism check relays that are part of a reclosing scheme covered by PRC-005-3.

The SDT shall also:

1. Revise the Implementation Plans for ~~PRC-002i~~, PRC-005-2ii, PRC-005-3, PRC-005-3i, PRC-005-3ii, PRC-005-4 and PRC-005-5 as needed to facilitate consistent and systematic implementation.
2. Modify the informative Supplementary Reference Document (provided as a technical reference for PRC-005-3) as necessary to provide application guidance to industry.

Reliability Functions

The Standard will Apply to the Following Functions (Check each one that applies.)

<input type="checkbox"/> Regional Reliability Organization	Conducts the regional activities related to planning and operations, and coordinates activities of Responsible Entities to secure the reliability of the Bulk Electric System within the region and adjacent regions.
<input 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.

Reliability Functions	
<input checked="" type="checkbox"/> <input 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 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 checked="" type="checkbox"/> Transmission Owner	Owns and maintains transmission facilities.
<input type="checkbox"/> Transmission Operator	Ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area.
<input checked="" type="checkbox"/> Distribution Provider	Delivers electrical energy to the End-use customer.
<input checked="" type="checkbox"/> Generator Owner	Owns and maintains generation facilities.
<input type="checkbox"/> Generator Operator	Operates generation unit(s) to provide real and reactive power.
The Standard will Apply to the Following Functions (Check each one that applies.)	
<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.
<input 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 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 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 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?	
	Enter (yes/no)
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
Does the proposed Standard comply with all of the following Market Interface Principles?	
	Enter (yes/no)
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

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Related Standards	
Standard No.	Explanation

Related SARs	
SAR ID	Explanation

Regional Variances	
Region	Explanation
ERCOT	
FRCC	
MRO	
NPCC	
RFC	
SERC	
SPP	
WECC	