

## **Standards Authorization Request Form**

When completed, please email this form to: <a href="mailto:sarcomm@nerc.com">sarcomm@nerc.com</a>

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.

on to a Reliability Standard	revision	o propose a new or a	Request to				
ng	el Trainin	Operations Personn	ed Standard:	Title of Propose	/		
3		Revised: September Original: July 18, 20	Date Submitted:				
			Information	SAR Requester			
		lory	Jordan Mallo	Name:			
			NERC	Organization:			
Jordan.mallory@nerc.net	E-mail:	/33	404-446-973	Telephone:			
SAR Type (Check as many as applicable)							
/ithdrawal of existing Standard	Wit		New Standard				
rgent Action	Urg	Revision to existing Standard					
Jordan.mallory@nerc.net /ithdrawal of existing Standard	E-mail:	Original: July 18, 20 lory 733 applicable)	Information Jordan Mallo NERC 404-446-973 k as many as a dard	SAR Requester Name: Organization: Telephone: SAR Type (Chec			

## SAR Information

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

Address outstanding FERC directives, modify System Operator definition (project 2010-16), and incorporate ERO initiatives, including drafting results-based or performance-based standards that are consistent with Paragraph 81 criteria.

## SAR Information

Purpose or Goal (How does this request propose to address the problem described above?):

- Modify System Operator Definition (Project 2010-16).
- Define applicable entities to address outstanding FERC Directives from Order No. 693 and Order No. 742.
- Modify existing PER-005-1 requirements for additional applicable entities and personnel.
- Remove the requirement to provide at least 32 hours of emergency operations training from Requirement R3 of PER-005-1 as it no longer meets criteria set forth in the standard for utilizing a systematic approach to training. The appropriate amount of such training should be determined by the applicable entities through the analysis phase of a systematic approach to training and outlined in a continuous education section of their training program. Any additional hours may be duplicative or repetitive for the entity in providing training to their personnel.

Brief Description (Provide a paragraph that describes the scope of this standard action.)

This project will address the following FERC directives. In addition, the project will review the present standard to eliminate ambiguity within the standard.

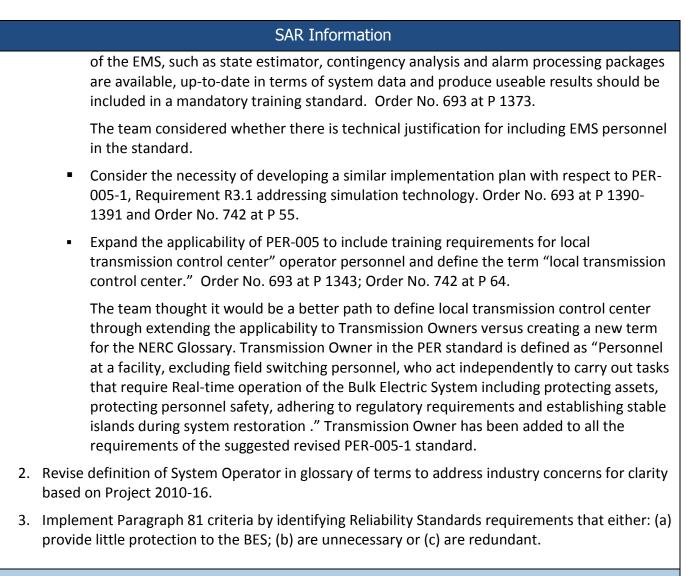
- This SAR is needed to address outstanding FERC Directives from Order No. 693 and Order No. 742. The following is a summary of the FERC Directives to the ERO:
  - "Develop specific Requirements addressing the scope, content and duration appropriate for generator operator personnel." Order No. 693 at P 1363.

A new requirement has been suggested to address Generator Operator personnel at a centrally located dispatch center who receive direction from their Reliability Coordinator, Balancing Authority, Transmission Operator, or Transmission Owner and may develop specific dispatch instructions for plant operators under their control. Personnel at a centrally located dispatch center who relay dispatch instructions, without making any modifications, are excluded.

 "Include [operations support personnel] who carry out outage coordination and assessments in accordance with IRO-004-1 and TOP-002-2 and determine SOLs and IROLs or operating nomograms in accordance with IRO-005-1 and TOP-004-0." Order No. 693 at P 1372.

A new requirement has been suggested to address operation support and support staff personnel for training. The term Operations Support Personnel has been defined solely for the revised PER-005-1 standard.

Consider whether personnel responsible for ensuring that critical reliability applications



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.)

Detailed description of this project can be found in the Technical White Paper included with the initial SAR posting.

**Reliability Functions** 

	Reliability Functions			
The S	The Standard will Apply to the Following Functions (Check each one that applies.)			
	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.		
$\boxtimes$	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.		
	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.		
	Interchange Authority	Ensures communication of interchange transactions for reliability evaluation purposes and coordinates implementation of valid and balanced interchange schedules between Balancing Authority Areas.		
	Planning Coordinator	Assesses the longer-term reliability of its Planning Coordinator Area.		
	Resource Planner	Develops a >one year plan for the resource adequacy of its specific loads within a Planning Coordinator area.		
	Transmission Planner	Develops a >one year plan for the reliability of the interconnected Bulk Electric System within its portion of the Planning Coordinator area.		
	Transmission Service Provider	Administers the transmission tariff and provides transmission services under applicable transmission service agreements (e.g., the pro forma tariff).		
$\square$	Transmission Owner	Owns and maintains transmission facilities.		
	Transmission Operator	Ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area.		
	Distribution Provider	Delivers electrical energy to the End-use customer.		
	Generator Owner	Owns and maintains generation facilities.		
$\square$	Generator Operator	Operates generation unit(s) to provide real and reactive power.		
	Purchasing-Selling	Purchases or sells energy, capacity, and necessary reliability-related		

Reliability Functions			
Entity	services as required.		
Market Operator	Interface point for reliability functions with commercial functions.		
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).				
$\square$	1. Interconnected bulk power systems shall be planned and operated in a coordina to perform reliably under normal and abnormal conditions as defined in the NEF			
$\square$	2. The frequency and voltage of interconnected bulk power systems shall be contro defined limits through the balancing of real and reactive power supply and dema			
	3. Information necessary for the planning and operation of interconnected bulk po shall be made available to those entities responsible for planning and operating reliably.	-		
	4. Plans for emergency operation and system restoration of interconnected bulk possible shall be developed, coordinated, maintained and implemented.	ower systems		
	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.			
$\square$	6. Personnel responsible for planning and operating interconnected bulk power systems shall be trained, qualified, and have the responsibility and authority to implement actions.			
	7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis.			
	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 Enter			
Princ	iples?	(yes/no)		
1	1. A reliability standard shall not give any market participant an unfair competitive advantage. Yes			
2	2. A reliability standard shall neither mandate nor prohibit any specific market Yes structure.			
3	3. A reliability standard shall not preclude market solutions to achieving compliance Yes with that standard.			
4	4. A reliability standard shall not require the public disclosure of commercially sensitive information. All market participants shall have equal opportunity to			

## Reliability and Market Interface Principles

access commercially non-sensitive information that is required for compliance with reliability standards.

Related Standards		
Standard No.	Explanation	

Related SARs		
SAR ID	Explanation	

	Regional Variances		
Region	Explanation		
ERCOT	None		
FRCC	None		
MRO	None		
NPCC	None		
RFC	None		
SERC	None		

	Regional Variances
SPP	None
WECC	None