

# Standard Authorization Request (SAR) Form

Complete and please email this form, with attachment(s) to: [SERC Regional Standards](#)

The SERC Reliability Corporation welcomes suggestions to improve the reliability of the bulk power system through improved Reliability Standards.

Requested information			
SAR Title:	Modification to PRC-006-SERC-02		
Date Submitted:	February 27, 2020		
SAR Requester			
Name:	SERC Dynamics Working Group (Chair Ken Wofford)		
Organization:	SERC		
Telephone:	770-270-7819	Email:	Ken.wofford@gatrans.com
SAR Type (Check as many as apply)			
<input type="checkbox"/>	New Standard	<input type="checkbox"/>	Imminent Action/ Confidential Issue (SPM Section 10)
<input checked="" type="checkbox"/>	Revision to Existing Standard	<input type="checkbox"/>	Variance development or revision
<input type="checkbox"/>	Add, Modify or Retire a Glossary Term	<input type="checkbox"/>	Other (Please specify)
<input type="checkbox"/>	Withdraw/retire an Existing Standard		
Justification for this proposed standard development project (Check all that apply to help SERC prioritize development)			
<input checked="" type="checkbox"/>	Regulatory Initiation	<input checked="" type="checkbox"/>	SERC Technical Committee Identified
<input type="checkbox"/>	Emerging Risk (Reliability Issues Steering Committee) Identified	<input type="checkbox"/>	Enhanced Periodic Review Initiated
<input type="checkbox"/>	Reliability Standard Development Plan	<input checked="" type="checkbox"/>	Industry Stakeholder Identified
Industry Need (What Bulk Electric System (BES) reliability benefit does the proposed project provide?):			
<p>The changes being requested address three issues. The first is the elimination of the SERC UFLS database. SERC is no longer required to maintain the database and no entity uses it. The second change allows the Planning Coordinators to build their study islands such that they are contiguous. Finally, with the inclusion of the former FRCC entities into SERC, changes were needed to ensure the UFLS settings for Florida entities weren't in violation of the SERC standard.</p>			
Purpose or Goal (How does this proposed project provide the reliability-related benefit described above?):			
<p>Elimination of the UFLS database removes an unnecessary burden on the entities and SERC to maintain data that is neither used nor required.</p> <p>When entities move from one Planning Coordinator to another, they may no longer be physically contiguous with existing island definitions within the UFLS study. The proposed change would allow the PCs to build the islands that better tests the capabilities of the UFLS settings.</p> <p>Due to the geography of the Florida peninsula, UFLS settings are set differently than the rest of the SERC entities. These settings have proved to be reliable under several historical events. These settings are in violation of the SERC UFLS standard and thus the standard should be modified to ensure the reliable settings of the former FRCC entities do not violate the standard.</p>			
Project Scope (Define the parameters of the proposed project):			
Modification to PRC-006-SERC-02			

Requested information
Detailed Description (Describe the proposed deliverable(s) with sufficient detail for a drafting team to execute the project. If you propose a new or substantially revised Reliability Standard or definition, provide: (1) a technical justification <sup>1</sup> which includes a discussion of the reliability-related benefits of developing a new or revised Reliability Standard or definition, and (2) a technical foundation document (e.g. research paper) to guide development of the Standard or definition):
<p>Removal of R1 requirement – SERC sub-regions may not be contiguous so the islands should not be defined as such.</p> <p>Due to the UFLS settings in Florida, it is proposed to (1) increase the highest setting (R2.3) from 59.5 Hz to 59.6 Hz and (2) lower the value in R2.4 from 58.4 Hz to 58.2 Hz by adding a sub-bullet stating at least 30% of Peak Demand should be set no lower than 58.4Hz.</p> <p>Change R2.6 to say “Time delay setting shall be at least six cycles (0.1 seconds)” for clarity.</p> <p>When referring to what percentage of load should be included (R4.1 and R5.1), add a second choice to use “the forecasted substation or feeder demand (including losses) of the UFLS entities at the time coincident with the next year’s forecasted Peak Demand in the season specified by the PC.”</p> <p>Removal of R7 requirement – Removes the requirement for SERC to maintain a UFLS database.</p>
Cost Impact Assessment, if known (Provide a paragraph describing the potential cost impacts associated with the proposed project):
Minimal, the only costs are associated with administrative overhead.
Please describe any unique characteristics of the BES facilities that may be impacted by this proposed standard development project (e.g. Dispersed Generation Resources):
N/A
To assist the SERC Standards Committee in appointing a drafting team with the appropriate members, please indicate to which Functional Entities the proposed standard(s) should apply (e.g. Transmission Operator, Reliability Coordinator, etc. See the most recent version of the NERC Functional Model for definitions):
SERC Planning Coordinators, Transmission Planners, Distribution Providers, Transmission Owners, Generator Owners
Do you know of any consensus building activities <sup>2</sup> in connection with this SAR? If so, please provide any recommendations or findings resulting from the consensus building activity.
None
Are there any related standards or SARs that should be assessed for impact as a result of this proposed project? If so which standard(s) or project number(s)?
None
Are there alternatives (e.g. guidelines, white paper, alerts, etc.) that have been considered or could meet the objectives? If so, please list the alternatives.

<sup>1</sup> The NERC Rules of Procedure require a technical justification for new or substantially revised Reliability Standards. Please attach pertinent information to this form before submittal to SERC.

<sup>2</sup> Consensus building activities are occasionally conducted by SERC and/or project review teams. They typically are conducted to obtain industry inputs prior to proposing any standard development project to revise, or develop a standard or definition.

Reliability Principles	
Does this proposed standard development project support at least one of the following Reliability Principles ( <a href="#">Reliability Interface Principles</a> )? Please check all those 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 checked="" 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 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 checked="" 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.

Market Interface Principles	
Does the proposed standard development project comply with all of the following <a href="#">Market Interface Principles</a> ?	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
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

Identified Existing or Potential Regional or Interconnection Variances	
Region(s)/ Interconnection	Explanation
<i>e.g.</i> SERC	

## For Use by SERC Only

SAR Status Tracking (Check off as appropriate)	
<input type="checkbox"/> Draft SAR reviewed by SERC Staff	<input type="checkbox"/> Final SAR endorsed by the SC
<input type="checkbox"/> Draft SAR presented to SC for acceptance	<input type="checkbox"/> SAR assigned a Standards Project by SERC
<input type="checkbox"/> DRAFT SAR approved for posting by the SC	<input type="checkbox"/> SAR denied or proposed as Guidance document

### Version History

Version	Date	Owner	Change Tracking
1	April 18, 2017	SERC Standards	Modified NERC SAR form to create revised SERC SAR form.