

## 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

Standard Authorization Request (SAR) form to submit your request to propose a new Reliability Standard, a revision to a Reliability Standard, or the retirement of a Reliability Standard.

Request to propose a new Reliability Standard, a revision to a Reliability Standard, or the retirement of a Reliability Standard

Title of Reliability Standard Proposed for Retirement:	BAL-004-0 – Time Error Correction		
Date Submitted:	Draft Posted for Stakeholder Review March 17, 2015		
SAR Requester Information:			
Name:	The Balancing Authority Reliability-based Controls Phase 2 (BARC 2) Periodic Review Team ( <a href="#">Roster</a> )		
Organization:	N/A		
Telephone:	N/A	E-mail:	N/A
SAR Type (check as many as applicable):			
<input type="checkbox"/> New Reliability Standard	<input checked="" type="checkbox"/> Retirement of existing Reliability Standard		
<input type="checkbox"/> Revision to existing Reliability Standards	<input type="checkbox"/> Urgent Action		

### SAR Information

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

NERC is dedicated to developing and maintaining Reliability Standards that focus the industry's attention on those issues that support the reliability of the Bulk-Power System. As explained in the [Independent Expert Review Project report](#), the industry and FERC have expressed concern that a significant number of NERC requirements do not contribute materially to the reliability of the Bulk-

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<p>Power System. When NERC maintains requirements that do not contribute materially to reliability, registered entities may lose focus on the most critical matters that can adversely impact reliability and resources are diverted from higher priority activities. Standards that do not contribute to reliability should be retired.</p>
<p>Purpose or Goal (How does this request propose to address the problem described above?):</p>
<p>This request proposes to retire a standard that does not contribute materially to reliability.</p>
<p>Identify the objectives of the proposed Reliability Standard’s requirements (What specific reliability deliverables are required to achieve the goal?):</p>
<p>N/A – This SAR is proposing a retirement to a Reliability Standard.</p>
<p>Brief Description (Provide a paragraph that describes the scope of this Reliability Standard action.):</p>
<p>The practice of manual Time Error Correction, which is required under BAL-004-0, is a commercial service that does not support reliability. It should be retired.</p>
<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 Reliability Standard, including an assessment of the reliability and market interface impacts of implementing or not implementing the Reliability Standard action.):</p>
<p>As explained in further detail in the paper “Time Error Correction and Reliability White Paper,” the practice of manual Time Error Correction does not support reliability. The current form of manual Time Error Correction is a legacy commercial practice that originated in the 1920s as a commercial service. It was never related to the reliability of the electric grid. In continuing to require the practice of manual Time Error Correction, NERC is diverting industry resources from higher priority activities that impact reliability. The standard drafting team should proceed with the retirement of BAL-004-0 and the elimination of the practice of manual Time Error Correction, developing a careful implementation plan that ensures a safe and coordinated elimination of the practice across each Interconnection.</p>

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Reliability Functions	
The Reliability Standard applies 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 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 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 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.

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Reliability Functions	
<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 – N/A, as BAL-004-0 does not support any of the Reliability Principles.	
Applicable Reliability Principles (check all that apply):	
<input 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 Reliability 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 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 Reliability Standard comply with all of the following Market Interface Principles? N/A	
1. A Reliability Standard shall not give any market participant an unfair competitive advantage.	Enter (yes/no)
2. A Reliability Standard shall neither mandate nor prohibit any specific market structure.	

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Reliability and Market Interface Principles – N/A, as BAL-004-0 does not support any of the Reliability Principles.	
3. A Reliability Standard shall not preclude market solutions to achieving compliance with that Reliability Standard.	
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.	

Related Reliability Standards – N/A	
Reliability Standard No.	Explanation

Related SARs – N/A	
SAR ID	Explanation

Regional Variances	
Region	Explanation
ERCOT	
FRCC	
MRO	
NPCC	
RFC	
SERC	
SPP	

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Regional Variances	
WECC	BAL-004-WECC-02 – Automatic Time Error Correction maintains Interconnection frequency and ensures that (automatic) Time Error Corrections and Primary Inadvertent Interchange paybacks are conducted in a manner that does not adversely affect the reliability of the Interconnection.