NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Standards Authorization Request Form

When completed, email this form to:
Laura.Hussey@nerc.net
For questions about this form or for assistance in completing the form, call Laura Hussey at 404-446-2579.

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:	TPL-001-5		
Date Submitted:	TBD		
SAR Requester Information			
Name:	TBD		
Organization:	TBD		
Telephone:	TBD	E-mail:	TBD
SAR Type (Check as many as applicable)			
☐ New Standard		☐ Withdrawal of existing Standard	
☒ Revision to existing Standard		☐ Urgent Action	

SAR Information
Industry Need (What is the industry problem this request is trying to solve?):
On October 17, 2013 the Commission issued its final ruling on TPL-001-4. In that ruling, FERC issued several directives that were to be addressed in the foreseeable future. In order to minimize the impact and burden on the industry caused by changes to address these directives, the resolution of other issues surrounding TPL-001-4 are proposed to be merged into one cohesive project. These issues include: addressing the directives of Order 786, resolution of the references to MOD standards due to revisions in that family of standards, addressing the comments and suggestions in the Independent Expert Review Report, possible integration of TPL-007-1 Transmission System Planned Performance for Geomagnetic Disturbance Events, revision of requirement R8 to specifically include the Reliability Coordinator, and other miscellaneous issues that may have been discovered during the first few years of implementation of TPL-001-4.
SAR Information
Purpose or Goal (How does this request propose to address the problem described above?):
The goal of this SAR is to consolidate into one cohesive project any changes needed to TPL-001-4 due to FERC directives, independent reports, and operating experience gained during the first few years of implementation of TPL-001-4.
Identify the Objectives of the proposed standard's requirements (What specific reliability deliverables are required to achieve the goal?):
Successful implementation of the revised standard will assure that all issues surrounding TPL-001-4 are addressed in one cohesive project thus minimizing the impact and burden of subsequent implementation on the industry.
Brief Description (Provide a paragraph that describes the scope of this standard action.)
The proposed Standard Drafting Team (SDT) shall modify NERC Reliability Standard TPL-001-4 to explicitly address the directives of Order 786 including any adjustments indicated from the review of footnote 12 use, resolution of the references to MOD standards due to revisions in that family of standards, addressing the comments and suggestions in the Independent Expert Review Report, possible integration of TPL-007-1 Transmission System Planned Performance for Geomagnetic Disturbance Events, revision of requirement R8 to specifically include the Reliability Coordinator, and

SAR Information
other miscellaneous issues that may have been discovered during the first few years of implementation of TPL-001-4.
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 SDT shall: 1. Consider adjustments to footnote 12 threshold values due to the report on usage filed by NERC 2. Address directives from FERC Order 786 a. Paragraph 40: "…we direct NERC to modify Reliability Standard TPL-001-4 to address the concern that the six month threshold could exclude planned maintenance outages of significant facilities from future planning assessments." b. Paragraph 89: "… directs NERC to consider a similar spare equipment strategy for stability analysis upon the next review cycle of Reliability Standard TPL-001-4." 3. Consider any needed changes due to NERC's work on single points of failure in Protection Systems (paragraph 69 in FERC Order 786) 4. Consider the comments and suggestions in the Independent Expert Review Report 5. Consider the possible integration of TPL-007-1 Transmission System Planned Performance for Geomagnetic Disturbance Events for the creation of one cohesive planning performance standard 6. Modify the references to MOD standards due to revisions in that family of standards 7. Revise Requirement R8 to specifically include the Reliability Coordinator 8. Revise as necessary due to implementation experience 9. Modify the measures and Violation Severity Levels as necessary to address modified requirements

Reliability Functions		
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.
☐	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).
☒	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.
☐	Generator Operator	Operates generation unit(s) to provide real and reactive power.

Reliability Functions	
☐ Purchasing-Selling Entity	Purchases or sells energy, capacity, and necessary reliability-related 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).	
☒	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.
☐	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.
☒	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.
☐	4. Plans for emergency operation and system restoration of interconnected bulk power systems shall be developed, coordinated, maintained and implemented.
☐	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.
☐	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 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

Reliability and Market Interface Principles	
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

Related Standards	
Standard No.	Explanation
IRO-017-1	This standard will need to be revised once Requirement R8 is written as Requirement R3 of this standard will become redundant with revised Requirement R8.

Related SARs	
SAR ID	Explanation
N/A	N/A

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