Standard Authorization Request Form

Request Date	Revision of TPL-002 footnote 'b' and TPL-001 footnote 12

SAR Requester Information	**SAR Type** (*Check a box for each one that applies.*)	
Individual, Group, or Committee Name Standards Committee	☐	New Standard
Primary Contact (if Group or Committee) Allen Mosher	X	Revision to existing Standard
Company or Group Name APPA	☐	Withdrawal of existing Standard
E-mail amosher@publicpower.org	☐	Project Identified in Reliability Standards Development Plan (Project Number and Name:)
Telephone (202) 467-2944	☐	Modification to NERC Glossary term or addition of new term

Brief Description of Proposed Standard Modifications / Actions

The drafting team must provide clarity on TPL-002-0, Table 1 - footnote 'b' and TPL-001-2 Table 1 footnote 12, regarding the planned or controlled interruption of electric supply where a single contingency occurs on a transmission system. The drafting team must quickly respond to the directives in Order No. 762 ~~in order to preserve their ability to~~to address planned ~~to~~ load shed ~~load~~ under limited circumstances for certain contingencies.

Need

On April 19, 2012, FERC issued Order No. 762 remanding TPL-002-2b because FERC determined that footnote b to Table 1 of that Reliability Standard was vague, unenforceable, and not responsive to previous directives. Therefore FERC found TPL-002-2b to be unjust, unreasonable, unduly discriminatory or preferential, and not in the public interest. In a related matter, FERC proposed to remand TPL-001-2 because NERC incorporated footnote b into the new TPL-001-2 reliability standard.

NERC has been directed to revise footnote b in accordance with the directives of Order Nos. 762 and 693. This project will also revise footnote 12 to TPL-001-2 in order to prevent the remand of TPL-001-2.

This provision will allow for entities to plan to shed load under very limited circumstances so long as there is no adverse reliability impact to the BES.

Goals (Describe what must be accomplished in order to meet the above need. This section would become the Requirements in a Reliability Standard.)

NERC must develop a process that will not adversely impact BES reliability and that satisfies the directives of Order No. 762 by clearly delineating when entities may plan for load shedding following a single contingency.

Objectives and / or Potential Future Metrics

The drafting team must ~~either~~ develop a ~~blend of quantitative and qualitative methodologies or a specific "customer consent"~~ process that will allow for planning to shed load following a single contingency. The drafting team must consider the guidance provided by the Commission in Order 762, including but not limited to:

- Form OE-417 or the Registry Criteria are not, by themselves, beneficial to use to devise criteria (see paragraph 49 of Order 762). ~~.~~
- Setting a quantitative and qualitative threshold in developing a limited exception for planned interruption of Firm Demand may be a workable solution (see paragraph 54 of Order 762).
- A customer should have notice and understanding that the transmission planner plans to curtail certain Firm Demand in the event of a single contingency indentified in the system modeling under NERC's Transmission Planning requirements (see paragraph 65 of Order 762).
- If there is a threshold component to the revised footnote, the rational for the threshold should be supported and show that instability, uncontrolled separation, or cascading failures of the system will not occur as a result of planning to shed Firm Demand up to the threshold (see paragraph 67 of Order 762).
- If there is an individual exception option, the applicable entities should be required to find that there is no adverse impact to the Bulk-Power System from the exception and that it is considered in wide-area coordination and operations (see paragraph 67 of Order 762).
- Any exception should be subject to further review by the Regional Entity or NERC (see paragraph 67 of Order 762).

Detailed Description The drafting team must provide clarity on TPL-002-0, Table 1 -

footnote 'b' and TPL-001-2 Table 1 footnote 12, regarding the planned or controlled interruption of electric supply where a single contingency occurs on a transmission system. The drafting team must quickly respond to the directives in Order No. 762 ~~in order to~~ to address planned load shed under ~~preserve their ability to plan to shed load under~~ limited circumstances for certain contingencies.

NERC has been directed to revise footnote b in accordance with the directives of Order Nos. 762 and 693. This project will also revise footnote 12 to TPL-001-2 in order to prevent the remand of TPL-001-2.

This provision will allow for entities to plan to shed load under very limited circumstances so long as there is no adverse reliability impact to the BES.

~~**OPTIONAL:**~~ **Technical Analysis Performed to Support Justification**

NERC will be conducting a mandatory Data Request to identify the specific instances of any planned interruptions of Firm Demand under footnote 'b' and how frequently the provision has been used in parallel with this SAR. The drafting team should evaluate and consider the results of the data request in conjunction with drafting the revised Footnote b.

Reliability Functions

The Standard(s) May Apply to the Following Functions *(Check box for each one that applies.)*		
☐	Regional Entity	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.
X	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.
X	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	Owns and maintains transmission facilities.

	Owner	
☐	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.
☐	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 box for all that apply.)*	
X	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(s) comply with all of the following Market Interface Principles? *(Select 'yes' or 'no' from the drop-down box.)*	
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	

Related Standards

Standard No.	Explanation
TPL-001-0.1	System Performance Under Normal (No Contingency) Conditions (Category A)
TPL-002-0b	System Performance Following Loss of a Single Bulk Electric System Element (Category B)
TPL-003-0a	System Performance Following Loss of Two or More Bulk Electric System Elements (Category C)
TPL-004-0	System Performance Following Extreme Events Resulting in the Loss of Two or More Bulk Electric System Elements (Category D)

Related Projects

Project ID and Title	Explanation

Regional Variances

Region	Explanation
ERCOT	
FRCC	
MRO	
NPCC	
SERC	
RFC	
SPP	
WECC	