Source	Standard No.	Project No	Language	Resolution
FERC Order 693	TPL Family	2006-02	1691 - Further, the proposed modifications are intended to ensure that the planning requirements are specific enough to promote rigor and consistency in assessments and provide clear and measurable rules for mandatory and enforceable Reliability Standards. The Commission therefore agrees with SDG&E's comments in this regard and on the need to balance "appropriateness" and "specificity."	TPL-001-1, Requirements R1-R8 & Table 1 - The standard strikes the desired balance between specific requirements (for example, Table 1 event descriptions and performance requirements) and appropriateness where the individual System concerns necessitates variations (for example, Requirement R2, part 2.4.3 addressing what sensitivities should be addressed) so that the standard ensures reliability is maintained
FERC Order 693	TPL Family	2006-02	1692 - Consider integrating TPL-001 through TPL-004 into one standard.	TPL-001-1 incorporates TPL-001-0 through TPL-004-
FERC Order 693	TPL Family	N/A	1693 -Submit an informational filing, in addition to regional criteria, all utility and RTO/ISO differences in transmission planning criteria that are more stringent than those specified by the TPL standards.	The data has been collected and distributed to the SDT and reviewed for consideration. Detailed discussions are contained in the SDT meeting minutes.
FERC Order 693	TPL Family	2006-02	1694, 1704, & 1706 - Consider the full range of variables when determining critical system conditions but only those deemed to be significant need to be assessed and documentation provided that explain the rationale for selection.	TPL-001-1, Requirement R3, part 3.4 & Requirement R4, part 4.4
FERC Order 693	TPL Family	2006-02	1716 - System performance should be assessed based on contingencies that mimic what happens in real-time.	TPL-001-1, Requirement R1
FERC Order 693	TPL Family	2006-02	1719 - Consider appropriate revisions to the reliability standards to deal with cyber security events.	Cyber security events have been added to the list of Extreme Events as #3a.v
FERC Order 693	TPL Family	N/A	Entities that have planned and designed their systems on the basis of a different approach to single contingencies should work with NERC in developing plans to transition to this new approach.	This is not an SDT issue. No action taken.
FERC Order 693 – TPL General Comments	TPL-001-0	2006-02	1693 - Submit an informational filing, in addition to regional criteria, all utility and RTO/ISO differences in transmission planning criteria that are more stringent than those specified by the TPL standards.	The data has been collected and distributed to the SDT and reviewed for consideration. Detailed discussions are contained in the SDT meeting minutes.
FERC Order 693	TPL-001-0	2006-02	1694, 1704, & 1706 - Determine critical system conditions and study years by conducting sensitivity analysis with due consideration of the factors outlined by the Commission.	TPL-001-1, Requirement R2, part 2.1.4
FERC Order 693 – TPL General Comments	TPL-001-0	2006-02	1694, 1704, & 1706 - Consider the full range of variables when determining critical system conditions but only those deemed to be significant need to be assessed and documentation provided that explain the rational for selection.	TPL-001-1, Requirement R3, part 3.4 & Requirement R4, part 4.4

Source	Standard No.	Project No	Language	Resolution
FERC Order 693 – TPL General Comments	TPL-001-0	2006-02	1716 - System performance should be assessed based on contingencies that mimic what happens in real-time.	TPL-001-1, Requirement R1
FERC Order 693 – TPL General Comments	TPL-001-0	2006-02	1719 - Consider appropriate revisions to the reliability standards to deal with cyber security events.	Cyber security events have been added to the list of Extreme Events as #3a.v
FERC Order 693	TPL-001-0	2006-02	1751 - Require a peer review of planning assessments with neighboring entities	TPL-001-1, Requirement R3, part 4.1, R4, part 4.2 and Requirement R8: R3 and R4 address the concern expressed about sharing and coordination of System Contingencies that may affect neighboring Systems. Order 693 uses the term 'neighboring' while the proposed Reliability Standard uses 'adjacent'. 'Adjacent' is actually a more encompassing term as it would pick up embedded cooperatives, municipals, etc., and thus is more stringent than the Order 693 terminology. Additionally, the term 'adjacent' clarifies the intent to cover Transmission Systems that interconnect to the entity System whereas neighbor is vague and could include Systems in the vicinity of an entity's System, but not directly connected.
			Continuation of 1751	Requirement R8 continues to address the appropriate sharing of information with neighboring Systems. Distribution is a better approach than just a peer review as an entity could always decline an offer to participate in a peer review even if they should have participated. The distribution approach means that they will receive the Planning Assessment regardless. R8 ensures that information is shared with those affected and input from those Systems is received, without dictating how the two-way sharing must take place, such as peer review. Due to the continuing cycle of Planning Assessments, comments from other entities at the end of a planning cycle will be utilized at the beginning of the next cycle as the planner moves forward in time. This approach tells entities what to do without stating how to do it but still makes certain that the goal is achieved. This is

Source	Standard No.	Project No	Language	Resolution
			Continuation of 1751	To cover those “neighboring” Systems that may not be adjacent, the standard requires the Transmission Planner and Planning Coordinator to distribute the Planning Assessment to additional “neighbors” who show a “reliability related need” who have requested information in writing and requires a documented response to their comments. This is an equally, effective manner to provide for the appropriate sharing of
FERC Order 693	TPL-001-0	2006-02	1759 - Modify requirement R1.3 to substitute the reference to regional reliability organization with regional entity.	References to RRO have been removed
FERC Order 693	TPL-001-0	2006-02	1786 - Require assessments of outages of critical long lead time equipment, consistent with an entity’s spare equipment strategy	TPL-001-1, Requirement R2, part 2.1.5
FERC Order 693	TPL-001-0	2006-02	1797 - Address concerns with footnote (a) of Table 1 with regard to applicability of emergency ratings and consistency of normal ratings and voltages with values obtained from other reliability standards and concerns raised by International Transmission with reg	TPL-001-1, Table 1, header note 'e'
FERC Order 693 – TPL General Comments	TPL-001-0	2006-02	Entities that have planned and designed their systems on the basis of a different approach to single contingencies should work with NERC in developing plans to transition to this new approach.	This is not an SDT issue. No action taken.
FERC Order 693 – TPL General Comments	TPL-001-0	2006-02	Consider integrating TPL-001 through TPL-004 into one standard.	TPL-001-1 incorporates TPL-001-0 through TPL-004-0
Fill in the Blank Team	TPL-001-0	2006-02	No action needed	No action taken.
Other	TPL-001-0	2006-02	Modify standard to conform to the latest version of NERC’s Reliability Standards Development Procedure, the NERC Standard Drafting Team Guidelines, and the ERO Rules of Procedure.	The SDT is working against the latest set of procedures
Phase III/IV Team	TPL-001-0	2006-02	Add a requirement to verify that there are sufficient reactive resources	TPL-001-1, Requirement R1, part 1.1.3
Phase III/IV Team	TPL-001-0	2006-02	Add a requirement to identify where UVLS should be installed	Not considered appropriate for TPL-001-1
Team Comments	TPL-001-0	2006-02	Provide clarity where the Planning Authority is mentioned	Planning Authority is now Planning Coordinator and clarity has been provided in each requirement as needed
Version 0 Team	TPL-001-0	2006-02	Need to address deliverability to load	TPL-001-1, Table 1, Footnote 10

Source	Standard No.	Project No	Language	Resolution
Version 0 Team	TPL-001-0	2006-02	Clarify use of applicable ratings in Table 1, note ‘a’	TPL-001-1, Table 1, header note 'e'
Version 0 Team	TPL-001-0	2006-02	Clarify timing for submittal of corrective plan	TPL-001-1, Requirement R2, part 2.7
Version 0 Team	TPL-001-0	2006-02	Several semantic issues	The standard has been compeletly rewritten.
Version 0 Team	TPL-001-0	2006-02	Define critical system conditions	This terminology is no longer used.
Version 0 Team	TPL-001-0	2006-02	Having all projected firm transfers modeled may not be practical to achieve in a single shapshot of a powerflow model. The requirement should allow engineering judgment to determine the appropriate level of system utilization to assess reliability considering all projected firm uses.	TPL-001-1, Requirement R1
Version 0 Team	TPL-001-0	2006-02	Table 1, note ‘b’ – clarify when to curtail firm deliveries	TPL-001-1, Table 1, Interruption of Firm Transmission Service Allowed column added
Version 0 Team	TPL-001-0	2006-02	Table 1 – C.5 goes beyond double circuit outage criteria	TPL-001-1, Table 1, P7
Version 0 Team	TPL-001-0	2006-02	Does planned facilities include just those under construction?	This terminology has been cleared up in TPL-001-1, Requirement R1, part 1.1.2
Version 0 Team	TPL-001-0	2006-02	Table 1, items 6, 7, 8 & 9 need footnote stating that they do not apply to generator breaker failure	Table 1 has been rewritten
Version 0 Team	TPL-001-0	2006-02	Need to include multiple time frames	TPL-001-1, Requirement R2
Version 0 Team	TPL-001-0	2006-02	What is a major load center?	This terminology is no longer used.
VRFs Team	TPL-001-0	2006-02	R1 – time horizon should be long-term planning	All time horizons have been adjusted to Long-term Planning.
FERC Order 693	TPL-002-0	2006-02	1694, 1704, & 1706 - Determine critical system conditions in the same manner as proposed in TPL-001.	This terminology is no longer used.
FERC Order 693	TPL-002-0	2006-02	1773 - Footnote (b) should not allow for firm load shedding or curtailment of firm transfers as part of the system adjustments.	TPL-001-1, Table 1, P1 - associated footnote has been removed
FERC Order 693	TPL-002-0	2006-02	1773 - Clarify the phrase “permit operating steps necessary to maintain system control” in the footnote (a) and the use of emergency ratings.	TPL-001-1, Table 1, header note 'e'
FERC Order 693	TPL-002-0	2006-02	1773 - Clarifies footnote (b) in regard to load loss following a single contingency specifying the amount and duration of consequential load loss and system adjustments permitted after the first contingency to return the system to a normal operating state. NERC	TPL-001-1, Table 1, footnote 9.

Source	Standard No.	Project No	Language	Resolution
FERC Order 693	TPL-002-0	2006-02	1786 - Requires assessment of planned outages of long lead time critical equipment consistent with the entity's spare equipment strategy.	TPL-001-1, Requirement R2, part 2.1.5
FERC Order 693	TPL-002-0	2006-02	1787 - Requires all generators to ride through the same set of category B and C contingencies as required by wind generators in Order No. 661, or to simulate without this capability as tripping.	TPL-001-1, Requirement R3, part 3.3.2 & Requirement R4, part 4.3.2
FERC Order 693	TPL-002-0	2006-02	1788 - Consider NRC's comments regarding clarifying the N-1 state as being always applicable to the current conditions as part of the standards development process.	TPL-001-1, Table 1 & Requirement R1
FERC Order 693	TPL-002-0	2006-02	1789 - Document the load models used in system studies and the rationale for their use.	TPL-001-1, Requirement R1
FERC Order 693	TPL-002-0	2006-02	1794 - Standard should be clarified to not allow an entity to plan for the loss of non-consequential load in the event of a single contingency.	TPL-001-1, Table 1, P1
FERC Order 693	TPL-002-0	2006-02	1795 - Commission, therefore, suggests that the ERO consider developing a ceiling on the amount and duration of consequential load loss that will be acceptable. If the ERO determines that such a ceiling is appropriate, it should be developed through the ERO's Reliability Standards development process	and duration and if it "is appropriate" to develop the ceiling through the standards development process. Originally, the SDT debated the appropriateness and the need for a ceiling and after much debate determined that a single ceiling was not appropriate for the continent-wide standard. The SDT was divided on the reliability need for this item and vetting with industry was determined to be the best course of action. The directive was then further addressed in other stages of the project to determine if another equally effective method could be developed. The SDT added requirements covering the reporting of the magnitude and duration of Consequential Load Loss. In earlier postings, industry overwhelming protested the
			Continuation of 1795	duration than magnitude so the SDT attempted a compromise position. The duration element of the requirement was deleted and a revised requirement covering only magnitude was crafted and posted for comment. Again, the SDT was overwhelmed by industry comments pushing back about the inclusion of an administrative task without a reliability need in a Reliability Standard. At this point, the SDT discussed the matter at length and decided to delete the requirement in its entirety. The SDT addressed the directive to "consider developing a ceiling" as directed in Order 693 as evidenced in meeting notes and by its attempt to include the requirements for an equally effective method in the Reliability Standard. Therefore, the SDT
Fill in the Blank Team	TPL-002-0	2006-02	No action required	No action taken

Source	Standard No.	Project No	Language	Resolution
Phase III/IV Team	TPL-002-0	2006-02	Add a requirement to verify that there are sufficient reactive resources	TPL-001-1, Requirement R1, part 1.1.3
Phase III/IV Team	TPL-002-0	2006-02	Add a requirement to identify where UVLS should be installed	Not considered appropriate for TPL-001-1
Team Comments	TPL-002-0	2006-02	Provide clarity where the Planning Authority is mentioned	Planning Authority is now Planning Coordinator and clarity has been provided in each requirement
Version 0 Team	TPL-002-0	2006-02	Must study all contingencies and multiple demand levels & time frames	TPL-001-1, Requirement R3, part 3.4 &Requirement R4, part R4.4, & Requirement R2
Version 0 Team	TPL-002-0	2006-02	Define critical system conditions	This terminology is no longer used.
Version 0 Team	TPL-002-0	2006-02	Clarify timing for corrective plan	TPL-001-1, Requirement R2, part2.7
Version 0 Team	TPL-002-0	2006-02	Address deliverability of generation to load	TPL-001-1, Table 1, Footnote 9
Version 0 Team	TPL-002-0	2006-02	Don’t include generation runback or redispatch	Clarified usage in TPL-001-1, header note 'e & footnote 9
Version 0 Team	TPL-002-0	2006-02	Don’t include planning outage	Clarified in TPL-001-1, Requirement R1, part 1.1.1
Version 0 Team	TPL-002-0	2006-02	Single terminals are not included	Clarified in TPL-001-1, Table 1, P2.1 & footnote 8
Version 0 Team	TPL-002-0	2006-02	Clarify applicable ratings in Table 1, note ‘a’	TPL-001-1, Table 1, header note 'e'
VRFs Team	TPL-002-0	2006-02	Time horizon should be long-term planning and R2.2 – redundant with R1.3.8	All time horizons have been adjusted to Long-term Planning.
FERC Order 693	TPL-003-0	2006-02	1765 - Determine critical system conditions in the same manner as proposed in TPL-001.	TPL-001-1, Requirement R1 & Requirement R2, part 2.1.4
FERC Order 693	TPL-003-0	2006-02	1769 - Address LPPA’s concerns on changes to footnotes of Table 1 through the standard development process.	The Table & the footnotes have been completely rewritten.
FERC Order 693	TPL-003-0	2006-02	1788 - Address NRC concerns as described in TPL-002 through the standards development process.	TPL-001-1, Table 1 re-write
FERC Order 693	TPL-003-0	2006-02	1806 - Clarify the term “controlled load interruption”.	The terminology is no longer utilized.
FERC Order 693	TPL-003-0	2006-02	1820 - Applicable entities must define and document the proxies necessary to simulate cascading outages.	TPL-001-1, Requirement R6
FERC Order 693	TPL-003-0	2006-02	1821 - Tailor the purpose statement to reflect the specific goal of the standard.	The purpose statement of TPL-001-1 has been rewritten.
FERC Order 693	TPL-003-0	2006-02	1824 - Consider the comments on major load pockets as part of the standards development process.	In light of these comments, the Commission does not intend to recommend action on this issue at this time. - No action taken for this revision.

Source	Standard No.	Project No	Language	Resolution
Fill in the Blank Team	TPL-003-0	2006-02	No action required	No action taken
Phase III/IV Team	TPL-003-0	2006-02	Add a requirement to verify that there are sufficient reactive resources	TPL-001-1, Requirement R1, part 1.1.3
Phase III/IV Team	TPL-003-0	2006-02	Add a requirement to identify where UVLS should be installed	Not considered appropriate for TPL-001-1
Team Comments	TPL-003-0	2006-02	Provide clarity where the Planning Authority is mentioned	Planning Authority is now Planning Coordinator and clarity has been provided in each requirement
Version 0 Team	TPL-003-0	2006-02	Don't base penalties on low probability, low consequence events	VSLs have been added
Version 0 Team	TPL-003-0	2006-02	Use NERC Compliance Reporting Process	The Compliance section has been rewritten according to the latest rules
Version 0 Team	TPL-003-0	2006-02	Same as TPL-001 & 002	See TPL-001
Version 0 Team	TPL-003-0	2006-02	Clearly identify outages	TPL-001-1, Requirement R1, part 1.1.1, Requirement R3, part 3.4, & Requirement R4, part 4.4
Version 0 Team	TPL-003-0	2006-02	Development of mitigation plans requires subsequent studies, and may actually be done by a different entity than the entity performing the assessment (the TO instead of the RTO who may have done the assessment)	Assessments are performed by Transmission Planner or Planning Coordinator
VRFs Team	TPL-003-0	2006-02	R2.2 - lack of consistency with TPL-001 & TPL-007	All VRFs have been rewritten
VRFs Team	TPL-003-0	2006-02	R2.1.3 - lack of consistency with TPL-001 & TPL-006	TPL-006 will be retired
VRFs Team	TPL-003-0	2006-02	R2.1.2 - lack of consistency with TPL-001 & TPL-005	TPL-005 is being retired
VRFs Team	TPL-003-0	2006-02	R2.1.1 - lack of consistency with TPL-001 & TPL-004	TPL-004 has been merged into TPL-001-1
VRFs Team	TPL-003-0	2006-02	Time horizon should be long-term planning	All time horizons have been adjusted to Long-term Planning.
VRFs Team	TPL-003-0	2006-02	R2.1 - lack of consistency with TPL-001	TPL-003 has been merged into TPL-001-1
VRFs Team	TPL-003-0	2006-02	R2 – lack of consistency with TPL-001 & TPL-002	TPL-003 has been merged into TPL-001-1
FERC Order 693	TPL-004-0	2006-02	1765 - Determine critical system conditions in the same manner as proposed in TPL-001.	TPL-001-1, Requirement R2, part 2.1.4
FERC Order 693	TPL-004-0	2006-02	1835 - Tailor the purpose statement to reflect the specific goal of the standard.	The purpose statement of TPL-001-1 has been rewritten.
FERC Order 693	TPL-004-0	2006-02	1836 - Expand the list of category D events to include recent actual events.	The list of Extreme Events has been expanded to include wide-area events.
FERC Order 693	TPL-004-0	2006-02	1836 - Identify options for reducing the probability or impacts of extreme events that cause cascading.	TPL-001-1, Requirement R3, part 3.5 & Requirement R4, part 4.5
Fill in the Blank Team	TPL-004-0	2006-02	No action required	No action taken
Phase III/IV Team	TPL-004-0	2006-02	Add a requirement to verify that there are sufficient reactive resources	TPL-001-1, Requirement R1, part 1.1.3

Source	Standard No.	Project No	Language	Resolution
Phase III/IV Team	TPL-004-0	2006-02	Add a requirement to identify where UVLS should be installed	Not considered appropriate for TPL-001-1
Team Comments	TPL-004-0	2006-02	Provide clarity where the Planning Authority is mentioned	Planning Authority is now Planning Coordinator and clarity has been provided in each requirement
Version 0 Team	TPL-004-0	2006-02	Same as TPL-001	See TPL-001
Version 0 Team	TPL-004-0	2006-02	Perform analysis on credible contingency	Contingencies required to be analyzed are defined in Requirement R3, parts 3.1 & 3.4 as well as Requirement R4, parts 4.1 & 4.4
Version 0 Team	TPL-004-0	2006-02	R1.3.9 – remove from extreme events	Extreme events has been rewritten.
Version 0 Team	TPL-004-0	2006-02	TO should determine which events to study	TPL-001-1, Requirement R3, parts3.1 & 3.4 & Requirement R4, parts 4.1 & 4.4
FERC Order 693	TPL-005-0	2006-02	1841 - Encourages NERC to utilize input from the Commission's technical conferences on regional planning as directed in Order No. 890 to improve this standard.	TPL-001-1, Requirement R8
Fill in the Blank Team	TPL-005-0	2006-02	New SAR needed	Supplemental SAR was written before the current SDT began work in 2007
Version 0 Team	TPL-005-0	2006-02	Define fuel adequacy	Terminology no longer employed
Version 0 Team	TPL-005-0	2006-02	An RRO can't make a mandatory request for another RRO to perform a study	All references to RRO have been removed
Fill in the Blank Team	TPL-006-0	2006-02	No action required	No action taken