

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-001-0	R1.	The Planning Authority and Transmission Planner shall each demonstrate through a valid assessment that its portion of the interconnected transmission system is planned such that, with all transmission facilities in service and with normal (pre-contingency) operating procedures in effect, the Network can be operated to supply projected customer demands and projected Firm (non-recallable reserved) Transmission Services at all Demand levels over the range of forecast system demands, under the conditions defined in Category A of Table I. To be considered valid, the Planning Authority and Transmission Planner assessments shall:	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.
TPL-001-0	R1.1.	Be made annually.	The responsible entity's most recent transmission assessment is more than 15 months old but less than 18 months old.	The responsible entity's most recent transmission assessment is more than 18 months old but less than 24 months old.	The responsible entity's most recent transmission assessment is more than 24 months old but less than 36 months old.	The responsible entity most recent transmission assessment is more than 36 months old.
TPL-001-0	R1.2.	Be conducted for near-term (years one through five) and longer-term (years six through ten) planning horizons.	N/A	The responsible entity's has demonstrated a valid assessment for the near-term period, but a valid assessment for the long-term planning horizon does not exist.	N/A	The responsible entity has failed to demonstrate a valid assessment for the near-term period AND long-term planning period.

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TPL-001-0	R1.3.	Be supported by a current or past study and/or system simulation testing that addresses each of the following categories, showing system performance following Category A of Table 1 (no contingencies). The specific elements selected (from each of the following categories) shall be acceptable to the associated Regional Reliability Organization(s).	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.
TPL-001-0	R1.3.1.	Cover critical system conditions and study years as deemed appropriate by the entity performing the study.	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>OR</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>AND</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-001-0	R1.3.2.	Be conducted annually unless changes to system conditions do not warrant such analyses.	The responsible entity's most recent near-term or long-term studies are more than 15 months old but less than 18 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 18 months old but less than 24 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 24 months old but less than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.
TPL-001-0	R1.3.3.	Be conducted beyond the five-year horizon only as needed to address identified marginal conditions that may have longer lead-time solutions.	The responsible entity's has produce a past or current year long-term study that is mostly compliant but was deficient in at least one minor area.	The responsible entity produced a past or current year long-term study that is mostly compliant but was deficient in one significant area.	The responsible entity's past or current year long-term study is partially compliant and deficient in more than one significant area.	The responsible entity's failed to produce evidence of a past or current year long-term study.
TPL-001-0	R1.3.4.	Have established normal (pre-contingency) operating procedures in place.	N/A	N/A	N/A	The responsible entity's study results show pre-contingency criteria violations and no pre-contingency mitigation plan exists to address the violation.

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TPL-001-0	R1.3.5.	Have all projected firm transfers modeled.	The system model(s) used for current or past analysis had minor deficiencies related to expected firm transfers.	N/A	The system model(s) used for current or past analysis had major deficiencies related to expected firm transfers.	n
TPL-001-0	R1.3.6.	Be performed for selected demand levels over the range of forecast system demands.	N/A	The responsible entity's has demonstrated valid current or past studies reflecting peak system forecast but a off-peak forecast analysis has not been performed	N/A	The responsible entity's has failed to demonstrated valid current or past studies reflecting peak system forecast AND off-peak system.
TPL-001-0	R1.3.7.	Demonstrate that system performance meets Table 1 for Category A (no contingencies).	N/A	N/A	N/A	No past or current study results exists showing pre-contingency system analysis.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-001-0	R1.3.8.	Include existing and planned facilities.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to existing or planned facilities.
TPL-001-0	R1.3.9.	Include Reactive Power resources to ensure that adequate reactive resources are available to meet system performance.	N/A	The responsible entity has demonstrated a valid current or past study evaluating voltage stability for the near-term period, but a valid voltage-stability study does not exist for the long-term planning horizon.	N/A	The responsible entity has not demonstrated a valid current or past study evaluating voltage stability for the near-term period AND long-term planning horizon.
TPL-001-0	R1.4.	Address any planned upgrades needed to meet the performance requirements of Category A.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to some minor details.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to one significant detail.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to more than one significant detail.	The responsible entity has failed to demonstrate that a corrective action plan exists.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-001-0	R2.	When system simulations indicate an inability of the systems to respond as prescribed in Reliability Standard TPL-001-0_R1, the Planning Authority and Transmission Planner shall each:	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.
TPL-001-0	R2.1.	Provide a written summary of its plans to achieve the required system performance as described above throughout the planning horizon.	N/A	The responsible entity has demonstrated valid corrective action plans for the near-term period, but a valid corrective action plans do not exist for the long-term planning horizon.	N/A	The responsible entity's has failed to demonstrate that valid corrective action plans exists for near-term planning period AND the long-term planning period.
TPL-001-0	R2.1.1.	Including a schedule for implementation.	N/A	N/A	N/A	A schedule for the responsible entity's corrective action plan does not exist.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-001-0	R2.1.2.	Including a discussion of expected required in-service dates of facilities.	N/A	N/A	N/A	Anticipated in-service dates, for the responsible entity's corrective action plan does not exist. This would reflect effective dates for pre-contingency operating procedures or in-service dates for proposed system changes.
TPL-001-0	R2.1.3.	Consider lead times necessary to implement plans.	The responsible entity's consideration of necessary lead-times has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details.	The responsible entity's consideration of necessary lead-times is mostly compliant with the requirement but fails to satisfy at least one significant element.	The responsible entity's consideration of necessary lead-times is partially compliant with the requirement and fails to satisfy more than one significant element	The responsible entity has failed to demonstrate consideration of necessary lead-times for implementing corrective action plans.
TPL-001-0	R2.2.	Review, in subsequent annual assessments, (where sufficient lead time exists), the continuing need for identified system facilities. Detailed implementation plans are not needed.	The responsible entity's has considered the continuing need for previously identified plans which require significant lead-time but the execution was deficient with respect to minor details.	N/A	N/A	The responsible entity has failed to demonstrate the continuing need for previously identified plans which require significant lead-time.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-001-0	R3.	The Planning Authority and Transmission Planner shall each document the results of these reliability assessments and corrective plans and shall annually provide these to its respective NERC Regional Reliability Organization(s), as required by the Regional Reliability Organization.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 15 months old but less than 24 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 24 months old but less than 36 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 36 months old but less than 48 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 48 months old.
TPL-002-0	R1.	The Planning Authority and Transmission Planner shall each demonstrate through a valid assessment that its portion of the interconnected transmission system is planned such that the Network can be operated to supply projected customer demands and projected Firm (non-recallable reserved) Transmission Services, at all demand levels over the range of forecast system demands, under the contingency conditions as defined in Category B of Table I. To be valid, the Planning Authority and Transmission Planner assessments shall:	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-002-0	R1.1.	Be made annually.	The responsible entity's most recent transmission assessment is more than 15 months old but less than 18 months old.	The responsible entity's most recent transmission assessment is more than 18 months old but less than 24 months old.	The responsible entity's most recent transmission assessment is more than 24 months old but less than 36 months old.	The responsible entity most recent transmission assessment is more than 36 months old.
TPL-002-0	R1.2.	Be conducted for near-term (years one through five) and longer-term (years six through ten) planning horizons.	N/A	The responsible entity's has demonstrated a valid assessment for the near-term period, but a valid assessment for the long-term planning horizon does not exist.	N/A	The responsible entity has failed to demonstrate a valid assessment for the near-term period AND long-term planning period.
TPL-002-0	R1.3.	Be supported by a current or past study and/or system simulation testing that addresses each of the following categories, showing system performance following Category B of Table 1 (single contingencies). The specific elements selected (from each of the following categories) for inclusion in these studies and simulations shall be acceptable to the associated Regional Reliability Organization(s).	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-002-0	R1.3.1.	Be performed and evaluated only for those Category B contingencies that would produce the more severe System results or impacts. The rationale for the contingencies selected for evaluation shall be available as supporting information. An explanation of why the remaining simulations would produce less severe system results shall be available as supporting information.	N/A	The responsible entity provided evidence through current or past studies that selected NERC Category B contingencies were evaluated, however, no rationale was provided to indicate why the remaining Category B contingencies for their system were not evaluated.	N/A	The responsible entity did not provide evidence through current or past studies to indicate that any NERC Category B contingencies were evaluated.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-002-0	R1.3.2.	Cover critical system conditions and study years as deemed appropriate by the responsible entity.	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>OR</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>AND</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A
TPL-002-0	R1.3.3.	Be conducted annually unless changes to system conditions do not warrant such analyses.	The responsible entity's most recent near-term or long-term studies are more than 15 months old but less than 18 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 18 months old but less than 24 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 24 months old but less than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.

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TPL-002-0	R1.3.4.	Be conducted beyond the five-year horizon only as needed to address identified marginal conditions that may have longer lead-time solutions.	The responsible entity's has produce a past or current year long-term study that is mostly compliant but was deficient in at least one minor area.	The responsible entity produced a past or current year long-term study that is mostly compliant but was deficient in one significant area.	The responsible entity's past or current year long-term study is partially compliant and deficient in more than one significant area.	The responsible entity's failed to produce evidence of a past or current year long-term study.
TPL-002-0	R1.3.5.	Have all projected firm transfers modeled.	The system model(s) used for current or past analysis had minor deficiencies related to expected firm transfers.	N/A	The system model(s) used for current or past analysis had major deficiencies related to expected firm transfers.	N/A
TPL-002-0	R1.3.6.	Be performed and evaluated for selected demand levels over the range of forecast system Demands.	N/A	The responsible entity's has demonstrated valid current or past studies reflecting peak system forecast but a off-peak forecast analysis has not been performed	N/A	The responsible entity's has failed to demonstrated valid current or past studies reflecting peak system forecast AND off-peak system.
TPL-002-0	R1.3.7.	Demonstrate that system performance meets Category B contingencies.	N/A	N/A	N/A	No past or current study results exists showing Category B contingency system analysis.

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-002-0	R1.3.8.	Include existing and planned facilities.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to existing or planned facilities.
TPL-002-0	R1.3.9.	Include Reactive Power resources to ensure that adequate reactive resources are available to meet system performance.	N/A	The responsible entity has demonstrated a valid current or past study evaluating voltage stability for the near-term period, but a valid voltage-stability study does not exist for the long-term planning horizon.	N/A	The responsible entity has not demonstrated a valid current or past study evaluating voltage stability for the near-term period AND long-term planning horizon.

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TPL-002-0	R1.3.10.	Include the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the effects of existing and planned protection systems, including any backup or redundant systems.
TPL-002-0	R1.3.11.	Include the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the effects of existing and planned control devices.

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TPL-002-0	R1.3.12.	Include the planned (including maintenance) outage of any bulk electric equipment (including protection systems or their components) at those demand levels for which planned (including maintenance) outages are performed.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the inclusion of planned maintenance outages of bulk electric transmission facilities.
TPL-002-0	R1.4.	Address any planned upgrades needed to meet the performance requirements of Category B of Table I.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to some minor details.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to one significant detail.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to more than one significant detail.	The responsible entity has failed to demonstrate that a corrective action plan exists.
TPL-002-0	R1.5.	Consider all contingencies applicable to Category B.	The responsible entity has considered the NERC Category B contingencies applicable to their system, but was deficient with respect to some minor details.	The responsible entity has considered the NERC Category B contingencies applicable to their system, but was deficient with respect to one significant detail.	The responsible entity has considered the NERC Category B contingencies applicable to their system, but was deficient with respect to more than one significant details.	The responsible entity has failed to demonstrate that any Category B contingencies were considered.

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TPL-002-0	R2.	When System simulations indicate an inability of the systems to respond as prescribed in Reliability Standard TPL-002-0_R1, the Planning Authority and Transmission Planner shall each:	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.
TPL-002-0	R2.1.	Provide a written summary of its plans to achieve the required system performance as described above throughout the planning horizon:	N/A	The responsible entity has demonstrated valid corrective action plans for the near-term period, but a valid corrective action plans do not exist for the long-term planning horizon.	N/A	The responsible entity's has failed to demonstrate that valid corrective action plans exists for near-term planning period AND the long-term planning period.
TPL-002-0	R2.1.1.	Including a schedule for implementation.	N/A	N/A	N/A	A schedule for the responsible entity's corrective action plan does not exist.

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TPL-002-0	R2.1.2.	Including a discussion of expected required in-service dates of facilities.	N/A	N/A	N/A	Anticipated in-service dates, for the responsible entity's corrective action plan does not exist. This would reflect effective dates for pre-contingency operating procedures or in-service dates for proposed system changes.
TPL-002-0	R2.1.3.	Consider lead times necessary to implement plans.	The responsible entity's consideration of necessary lead-times has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details.	The responsible entity's consideration of necessary lead-times is mostly compliant with the requirement but fails to satisfy at least one significant element.	The responsible entity's consideration of necessary lead-times is partially compliant with the requirement and fails to satisfy more than one significant element	The responsible entity has failed to demonstrate consideration of necessary lead-times for implementing corrective action plans.
TPL-002-0	R2.2.	Review, in subsequent annual assessments, (where sufficient lead time exists), the continuing need for identified system facilities. Detailed implementation plans are not needed.	The responsible entity's has considered the continuing need for previously identified plans which require significant lead-time but the execution was deficient with respect to minor details.	N/A	N/A	The responsible entity has failed to demonstrate the continuing need for previously identified plans which require significant lead-time.

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TPL-002-0	R3.	The Planning Authority and Transmission Planner shall each document the results of its Reliability Assessments and corrective plans and shall annually provide the results to its respective Regional Reliability Organization(s), as required by the Regional Reliability Organization.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 15 months old but less than 24 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 24 months old but less than 36 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 36 months old but less than 48 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 48 months old.
TPL-003-0	R1.	The Planning Authority and Transmission Planner shall each demonstrate through a valid assessment that its portion of the interconnected transmission systems is planned such that the network can be operated to supply projected customer demands and projected Firm (non-recallable reserved) Transmission Services, at all demand Levels over the range of forecast system demands, under the contingency conditions as defined in Category C of Table I (attached). The controlled interruption of customer Demand, the planned removal of generators, or the Curtailment of firm (non-recallable reserved) power transfers may be necessary to meet this standard. To be valid, the Planning Authority and Transmission Planner assessments shall:	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.

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TPL-003-0	R1.1.	Be made annually.	The responsible entity's most recent transmission assessment is more than 15 months old but less than 18 months old.	The responsible entity's most recent transmission assessment is more than 18 months old but less than 24 months old.	The responsible entity's most recent transmission assessment is more than 24 months old but less than 36 months old.	The responsible entity's most recent transmission assessment is more than 36 months old.
TPL-003-0	R1.2.	Be conducted for near-term (years one through five) and longer-term (years six through ten) planning horizons.	N/A	The responsible entity's has demonstrated a valid assessment for the near-term period, but a valid assessment for the long-term planning horizon does not exist.	N/A	The responsible entity has failed to demonstrate a valid assessment for the near-term period AND long-term planning period.
TPL-003-0	R1.3.	Be supported by a current or past study and/or system simulation testing that addresses each of the following categories, showing system performance following Category C of Table 1 (multiple contingencies). The specific elements selected (from each of the following categories) for inclusion in these studies and simulations shall be acceptable to the associated Regional Reliability Organization(s).	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.

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TPL-003-0	R1.3.1.	Be performed and evaluated only for those Category C contingencies that would produce the more severe system results or impacts. The rationale for the contingencies selected for evaluation shall be available as supporting information. An explanation of why the remaining simulations would produce less severe system results shall be available as supporting information.	N/A	The responsible entity provided evidence through current or past studies that selected NERC Category C contingencies were evaluated, however, no rationale was provided to indicate why the remaining Category C contingencies for their system were not evaluated.	N/A	The responsible entity did not provide evidence through current or past studies to indicate that any NERC Category C contingencies were evaluated.
TPL-003-0	R1.3.2.	Cover critical system conditions and study years as deemed appropriate by the responsible entity.	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>OR</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>AND</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-003-0	R1.3.3.	Be conducted annually unless changes to system conditions do not warrant such analyses.	The responsible entity's most recent near-term or long-term studies are more than 15 months old but less than 18 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 18 months old but less than 24 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 24 months old but less than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.
TPL-003-0	R1.3.4.	Be conducted beyond the five-year horizon only as needed to address identified marginal conditions that may have longer lead-time solutions.	The responsible entity's has produce a past or current year long-term study that is mostly compliant but was deficient in at least one minor area.	The responsible entity produced a past or current year long-term study that is mostly compliant but was deficient in one significant area.	The responsible entity's past or current year long-term study is partially compliant and deficient in more than one significant area.	The responsible entity's failed to produce evidence of a past or current year long-term study.
TPL-003-0	R1.3.5.	Have all projected firm transfers modeled.	The system model(s) used for current or past analysis had minor deficiencies related to expected firm transfers.		The system model(s) used for current or past analysis had major deficiencies related to expected firm transfers.	

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-003-0	R1.3.6.	Be performed and evaluated for selected demand levels over the range of forecast system demands.	N/A	The responsible entity's has demonstrated valid current or past studies reflecting peak system forecast but a off-peak forecast analysis has not been performed	N/A	The responsible entity's has failed to demonstrated valid current or past studies reflecting peak system forecast AND off-peak system.
TPL-003-0	R1.3.7.	Demonstrate that System performance meets Table 1 for Category C contingencies.	N/A	N/A	N/A	No past or current study results exists showing Category C contingency system analysis.
TPL-003-0	R1.3.8.	Include existing and planned facilities.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to existing or planned facilities.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-003-0	R1.3.9.	Include Reactive Power resources to ensure that adequate reactive resources are available to meet System performance.	N/A	The responsible entity has demonstrated a valid current or past study evaluating voltage stability for the near-term period, but a valid voltage-stability study does not exist for the long-term planning horizon.	N/A	The responsible entity has not demonstrated a valid current or past study evaluating voltage stability for the near-term period AND long-term planning horizon.
TPL-003-0	R1.3.10.	Include the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the effects of existing and planned protection systems, including any backup or redundant systems.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-003-0	R1.3.11.	Include the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the effects of existing and planned control devices.
TPL-003-0	R1.3.12.	Include the planned (including maintenance) outage of any bulk electric equipment (including protection systems or their components) at those Demand levels for which planned (including maintenance) outages are performed.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the inclusion of planned maintenance outages of bulk electric transmission facilities.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-003-0	R1.4.	Address any planned upgrades needed to meet the performance requirements of Category C.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to some minor details.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to one significant detail.	The responsible entity has demonstrated a corrective action plan resulting in meeting the intent of the requirement but the plan was deficient with respect to more than one significant detail.	The responsible entity has failed to demonstrate that a corrective action plan exists.
TPL-003-0	R1.5.	Consider all contingencies applicable to Category C.	The responsible entity has considered the NERC Category C contingencies applicable to their system, but was deficient with respect to some minor details.	The responsible entity has considered the NERC Category C contingencies applicable to their system, but was deficient with respect to one significant detail.	The responsible entity has considered the NERC Category C contingencies applicable to their system, but was deficient with respect to more than one significant details.	The responsible entity has failed to demonstrate that any Category C contingencies were considered.
TPL-003-0	R2.	When system simulations indicate an inability of the systems to respond as prescribed in Reliability Standard TPL-003-0_R1, the Planning Authority and Transmission Planner shall each:	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-003-0	R2.1.	Provide a written summary of its plans to achieve the required system performance as described above throughout the planning horizon:	N/A	The responsible entity has demonstrated valid corrective action plans for the near-term period, but a valid corrective action plans do not exist for the long-term planning horizon.	N/A	The responsible entity's has failed to demonstrate that valid corrective action plans exists for near-term planning period AND the long-term planning period.
TPL-003-0	R2.1.1.	Including a schedule for implementation.	N/A	N/A	N/A	A schedule for the responsible entity's corrective action plan does not exist.
TPL-003-0	R2.1.2.	Including a discussion of expected required in-service dates of facilities.	N/A	N/A	N/A	Anticipated in-service dates, for the responsible entity's corrective action plan does not exist. This would reflect effective dates for pre-contingency operating procedures or in-service dates for proposed system changes.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-003-0	R2.1.3.	Consider lead times necessary to implement plans.	The responsible entity's consideration of necessary lead-times has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details.	The responsible entity's consideration of necessary lead-times is mostly compliant with the requirement but fails to satisfy at least one significant element.	The responsible entity's consideration of necessary lead-times is partially compliant with the requirement and fails to satisfy more than one significant element	The responsible entity has failed to demonstrate consideration of necessary lead-times for implementing corrective action plans.
TPL-003-0	R2.2.	Review, in subsequent annual assessments, (where sufficient lead time exists), the continuing need for identified system facilities. Detailed implementation plans are not needed.	The responsible entity's has considered the continuing need for previously identified plans which require significant lead-time but the execution was deficient with respect to minor details.	N/A	N/A	The responsible entity has failed to demonstrate the continuing need for previously identified plans which require significant lead-time.
TPL-003-0	R3.	The Planning Authority and Transmission Planner shall each document the results of these Reliability Assessments and corrective plans and shall annually provide these to its respective NERC Regional Reliability Organization(s), as required by the Regional Reliability Organization.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 15 months old but less than 24 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 24 months old but less than 36 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 36 months old but less than 48 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 48 months old.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-004-0	R1.	The Planning Authority and Transmission Planner shall each demonstrate through a valid assessment that its portion of the interconnected transmission system is evaluated for the risks and consequences of a number of each of the extreme contingencies that are listed under Category D of Table I. To be valid, the Planning Authority's and Transmission Planner's assessment shall:	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.
TPL-004-0	R1.1.	Be made annually.	The responsible entity's most recent transmission assessment is more than 15 months old but less than 18 months old.	The responsible entity's most recent transmission assessment is more than 18 months old but less than 24 months old.	The responsible entity's most recent transmission assessment is more than 24 months old but less than 36 months old.	The responsible entity most recent transmission assessment is more than 36 months old.
TPL-004-0	R1.2.	Be conducted for near-term (years one through five).	N/A	N/A	N/A	The responsible entity has failed to demonstrate a valid assessment for the near-term period.
TPL-004-0	R1.3.	Be supported by a current or past study and/or system simulation testing that addresses each of the following categories, showing system performance following Category D contingencies of Table I. The specific elements selected (from within each of the following categories) for inclusion in these studies and simulations shall be acceptable to the associated Regional Reliability Organization(s).	The responsible entity is non-compliant with 25% or less of the sub-components.	The responsible entity is non-compliant with more than 25% but less than 50% of the sub-components.	The responsible entity is non-compliant with 50% or more but less than 75% of the sub-components.	The responsible entity is non-compliant with 75% or more of the sub-components.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-004-0	R1.3.1.	Be performed and evaluated only for those Category D contingencies that would produce the more severe system results or impacts. The rationale for the contingencies selected for evaluation shall be available as supporting information. An explanation of why the remaining simulations would produce less severe system results shall be available as supporting information.	N/A	The responsible entity provided evidence through current or past studies that selected NERC Category D contingencies were evaluated, however, no rationale was provided to indicate why the remaining Category D contingencies for their system were not evaluated.	N/A	The responsible entity did not provide evidence through current or past studies to indicate that any NERC Category D contingencies were evaluated.
TPL-004-0	R1.3.2.	Cover critical system conditions and study years as deemed appropriate by the responsible entity.	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>OR</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A	<p>The responsible entity has failed to document its choice of study year(s) for any current year studies or why current-year studies were deemed not needed.</p> <p>AND</p> <p>The responsible entity has failed to demonstrate through current or past studies whether or not critical system conditions exist on the transmission system for which they are responsible</p>	N/A

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-004-0	R1.3.3.	Be conducted annually unless changes to system conditions do not warrant such analyses.	The responsible entity's most recent near-term or long-term studies are more than 15 months old but less than 18 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 18 months old but less than 24 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 24 months old but less than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.	The responsible entity's most recent near-term or long-term studies are more than 36 months old AND significant system changes (actual or proposed) indicate that past studies are no longer valid.
TPL-004-0	R1.3.4.	Have all projected firm transfers modeled.	The system model(s) used for current or past analysis had minor deficiencies related to expected firm transfers.	N/A	The system model(s) used for current or past analysis had major deficiencies related to expected firm transfers.	N/A
TPL-004-0	R1.3.5.	Include existing and planned facilities.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is partially compliant with the requirement but the execution was deficient with respect to more than one significant details related to existing or planned facilities.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to existing or planned facilities.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-004-0	R1.3.6.	Include Reactive Power resources to ensure that adequate reactive resources are available to meet system performance.	N/A	N/A	N/A	The responsible entity has NOT demonstrated a valid current or past study evaluating voltage stability for the near-term period.
TPL-004-0	R1.3.7.	Include the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the effects of existing and planned protection systems, including any backup or redundant systems.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the effects of existing and planned protection systems, including any backup or redundant systems.

Violation Severity Levels for Requirements in Transmission Planning Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-004-0	R1.3.8.	Include the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the effects of existing and planned control devices.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the effects of existing and planned control devices.
TPL-004-0	R1.3.9.	Include the planned (including maintenance) outage of any bulk electric equipment (including protection systems or their components) at those demand levels for which planned (including maintenance) outages are performed.	The responsible entity's transmission model used for past or current studies has resulted in meeting the intent of the requirement but the execution was deficient with respect to minor details related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is mostly compliant with the requirement but fails to satisfy one significant element related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is partially compliant requirement but the execution was deficient with respect to more than one significant details related to the inclusion of planned maintenance outages of bulk electric transmission facilities.	The responsible entity's transmission model used for past or current studies is significantly deficient with respect to the inclusion of planned maintenance outages of bulk electric transmission facilities.

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
TPL-004-0	R1.4.	Consider all contingencies applicable to Category D.	The responsible entity has considered the NERC Category D contingencies applicable to their system, but was deficient with respect to some minor details.	The responsible entity has considered the NERC Category D contingencies applicable to their system, but was deficient with respect to one significant detail.	The responsible entity has considered the NERC Category D contingencies applicable to their system, but was deficient with respect to more than one significant details.	The responsible entity has failed to demonstrate that any Category D contingencies were considered.
TPL-004-0	R2.	The Planning Authority and Transmission Planner shall each document the results of its reliability assessments and shall annually provide the results to its entities' respective NERC Regional Reliability Organization(s), as required by the Regional Reliability Organization.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 15 months old but less than 24 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 24 months old but less than 36 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 36 months old but less than 48 months old.	The responsible entity's most recent documented results of reliability assessments and corrective plans as filed with its NERC designated RRO is more than 48 months old.