

The following table lists the Violation Risk Factors (VRFs) for the Version 0 Modeling standards requirements. These VRFs are the weighted average of the stakeholder VRF selections from the second posting of the VRF survey.

VIOLATION RISK FACTORS – VERSION 0 STANDARDS PRE-BALLOT MATRIX

| Standard Number | Requirement Number | Requirement | Violation Risk Factor |
|------------------------|---------------------------|--|------------------------------|
| MOD-001-0 | R1. | Each Regional Reliability Organization, in conjunction with its members, shall develop and document a Regional TTC and ATC methodology. (Certain systems that are not required to post ATC values are exempt from this standard.) The Regional Reliability Organization’s TTC and ATC methodology shall include each of the following nine items, and shall explain its use in determining TTC and ATC values: | LOWER |
| MOD-001-0 | R1.1. | A narrative explaining how TTC and ATC values are determined. | LOWER |
| MOD-001-0 | R1.2. | An accounting for how the reservations and schedules for firm (nonrecallable) and non-firm (recallable) transfers, both within and outside the Transmission Service Provider’s system, are included. | LOWER |
| MOD-001-0 | R1.3. | An accounting for the ultimate points of power injection (sources) and power extraction (sinks) in TTC and ATC calculations. | LOWER |
| MOD-001-0 | R1.4. | A description of how incomplete or so-called partial path transmission reservations are addressed. (Incomplete or partial path transmission reservations are those for which all transmission reservations necessary to complete the transmission path from ultimate source to ultimate sink are not identifiable due to differing reservation priorities, durations, or because the reservations have not all been made.) | LOWER |
| MOD-001-0 | R1.5. | A requirement that TTC and ATC values shall be determined and posted as follows: | LOWER |
| MOD-001-0 | R1.6. | Indication of the treatment and level of customer demands, including interruptible demands. | LOWER |
| MOD-001-0 | R1.7. | A specification of how system conditions, limiting facilities, contingencies, transmission reservations, energy schedules, and other data needed by Transmission Service Providers for the calculation of TTC and ATC values are shared and used within the Regional Reliability Organization and with neighboring interconnected electric systems, including adjacent systems, subregions, and Regional Reliability Organizations. In addition, specify how this information is to be used to determine TTC and ATC values. If some data is not used, provide an explanation. | LOWER |
| MOD-001-0 | R1.8. | A description of how the assumptions for and the calculations of TTC and ATC values change over different time (such as hourly, daily, and monthly) horizons. | LOWER |
| MOD-001-0 | R1.9. | A description of the Regional Reliability Organization’s practice on the netting of transmission reservations for purposes of TTC and ATC determination. | LOWER |
| MOD-001-0 | R2. | The Regional Reliability Organization shall make the most recent version of the documentation of its TTC and ATC methodology available on a web site accessible by NERC, the Regional Reliability Organizations, and transmission users. | LOWER |

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|------------------------|---------------------------|--|------------------------------|
| MOD-001-0 | R5.1.1. | Daily values for current week at least once per day. | LOWER |
| MOD-001-0 | R5.1.2. | Daily values for day 8 through the first month at least once per week. | LOWER |
| MOD-001-0 | R5.1.3. | Monthly values for months 2 through 13 at least once per month. | LOWER |
| MOD-002-0 | R1. | Each Regional Reliability Organization, in conjunction with its members, shall develop and implement a procedure to periodically review (at least annually) and ensure that the TTC and ATC calculations and resulting values of member Transmission Service Providers comply with the Regional TTC and ATC methodology and applicable Regional criteria. | LOWER |
| MOD-002-0 | R2. | Each Regional Reliability Organization shall document the results of its periodic reviews of TTC and ATC. | LOWER |
| MOD-002-0 | R3. | The Regional Reliability Organization shall provide the results of its most current reviews of TTC and ATC to NERC on request (within 30 calendar days). | LOWER |
| MOD-003-0 | R1. | Each Regional Reliability Organization, in conjunction with its members, shall develop and document a procedure on how transmission users can input their concerns or questions regarding the TTC and ATC methodology and values of the Transmission Service Provider(s), and how these concerns or questions will be addressed. The Regional Reliability Organization's procedure shall specify the following: | LOWER |
| MOD-003-0 | R1.1. | The name, telephone number and email address of a contact person to whom concerns are to be addressed. | LOWER |
| MOD-003-0 | R1.2. | The amount of time it will take for a response. | LOWER |
| MOD-003-0 | R1.3. | The manner in which the response will be communicated (e.g., email, letter, telephone, etc). | LOWER |
| MOD-003-0 | R1.4. | What recourse a customer has if the response is deemed unsatisfactory. | LOWER |
| MOD-003-0 | R2. | The Regional Reliability Organization shall post on a web site that is accessible by the Regional Reliability Organizations, NERC, and transmission users, its procedure for receiving and addressing concerns about the TTC and ATC methodology and TTC and ATC values of member Transmission Service Providers. | LOWER |
| MOD-004-0 | R1. | Each Regional Reliability Organization, in conjunction with its members, shall develop and document a Regional CBM methodology. The Regional Reliability Organization's CBM methodology shall include each of the following ten items, and shall explain its use in determining CBM value. Other items that are Regional Reliability Organization specific or that are considered in each respective Regional Reliability Organization methodology shall also be explained along with their use in determining CBM values. | LOWER |
| MOD-004-0 | R1.1. | Specify that the method used by each Regional Reliability Organization member to determine its generation reliability requirements as the basis for CBM shall be consistent with its generation planning criteria. | LOWER |
| MOD-004-0 | R1.10. | Describe the inclusion or exclusion rationale for generation reserve sharing arrangements in the CBM values. | LOWER |

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|------------------------|---------------------------|---|------------------------------|
| MOD-004-0 | R1.2. | Specify the frequency of calculation of the generation reliability requirement and associated CBM values. | LOWER |
| MOD-004-0 | R1.3. | Require that generation unit outages considered in a Transmission Service Provider's CBM calculation be restricted to those units within the Transmission Service Provider's system. | LOWER |
| MOD-004-0 | R1.4. | Require that CBM be preserved only on the Transmission Service Provider's System where the Load-Serving Entity's Load is located (i.e., CBM is an import quantity only). | LOWER |
| MOD-004-0 | R1.5. | Describe the inclusion or exclusion rationale for generation resources of each Load-Serving Entity including those generation resources not directly connected to the Transmission Service Provider's system but serving Load-Serving Entity loads connected to the Transmission Service Provider's system. | LOWER |
| MOD-004-0 | R1.6. | Describe the inclusion or exclusion rationale for generation connected to the Transmission Service Provider's system but not obligated to serve Native/Network Load connected to the Transmission Service Provider's system. | LOWER |
| MOD-004-0 | R1.7. | Describe the formal process and rationale for the Regional Reliability Organization to grant any variances to individual Transmission Service Providers from the Regional Reliability Organization's CBM methodology. | LOWER |
| MOD-004-0 | R1.8. | Specify the relationship of CBM to the generation reliability requirement and the allocation of the CBM values to the appropriate transmission facilities. The sum of the CBM values allocated to all interfaces shall not exceed that portion of the generation reliability requirement that is to be provided by outside resources. | LOWER |
| MOD-004-0 | R1.9. | Describe the inclusion or exclusion rationale for the loads of each Load-Serving Entity, including interruptible demands and buy-through contracts (type of service contract that offers the customer the option to be interrupted or to accept a higher rate for service under certain conditions). | LOWER |
| MOD-004-0 | R2. | The Regional Reliability Organization shall make the most recent version of the documentation of its CBM methodology available on a website accessible by NERC, the Regional Reliability Organizations, and transmission users. | LOWER |
| MOD-005-0 | R1. | Each Regional Reliability Organization, in conjunction with its members, shall develop and implement a procedure to review (at least annually) the CBM calculations and the resulting values of member Transmission Service Providers to ensure that they comply with the Regional Reliability Organization's CBM methodology. The procedure shall include the following four requirements: | LOWER |
| MOD-005-0 | R1.1. | Indicate the frequency under which the verification review shall be implemented. | LOWER |
| MOD-005-0 | R1.2. | Require review of the process by which CBM values are updated, and their frequency of update, to ensure that the most current CBM values are available to transmission users. | LOWER |

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|-----------------|--------------------|---|-----------------------|
| MOD-005-0 | R1.3. | Require review of the consistency of the Transmission Service Provider's CBM components with its published planning criteria. A CBM value is considered consistent with published planning criteria if the components that comprise CBM are addressed in the planning criteria. The methodology used to determine and apply CBM does not have to involve the same mechanics as the planning process, but the same uncertainties must be considered and any simplifying assumptions explained. | LOWER |
| MOD-005-0 | R1.4. | Require CBM values to be periodically updated (at least annually) and available to the Regional Reliability Organizations, NERC, and transmission users. | LOWER |
| MOD-005-0 | R2. | Each Regional Reliability Organization shall document its CBM procedure and shall make its CBM review procedure available to NERC on request (within 30 calendar days). | LOWER |
| MOD-005-0 | R3. | The Regional Reliability Organization shall provide documentation of the results of the most current implementation of its CBM review procedure to NERC on request (within 30 calendar days). | LOWER |
| MOD-006-0 | R1. | Each Transmission Service Provider shall document its procedure on the use of Capacity Benefit Margin (CBM) (scheduling of energy against a CBM preservation). The procedure shall include the following three components: | LOWER |
| MOD-006-0 | R1.1. | Require that CBM be used only after the following steps have been taken (as time permits): all non-firm sales have been terminated, Direct-Control Load Management has been implemented, and customer interruptible demands have been interrupted. CBM may be used to reestablish Operating Reserves. | LOWER |
| MOD-006-0 | R1.2. | Require that CBM shall only be used if the Load-Serving Entity calling for its use is experiencing a generation deficiency and its Transmission Service Provider is also experiencing Transmission Constraints relative to imports of energy on its transmission system. | LOWER |
| MOD-006-0 | R1.3. | Describe the conditions under which CBM may be available as Non-Firm Transmission Service. | LOWER |
| MOD-006-0 | R2. | Each Transmission Service Provider shall make its CBM use procedure available on a web site accessible by the Regional Reliability Organizations, NERC, and transmission users.. | LOWER |
| MOD-007-0 | R1. | Each Transmission Service Provider that uses CBM shall report (to the Regional Reliability Organization, NERC and the transmission users) the use of CBM by the Load-Serving Entities' Loads on its system, except for CBM sales as Non-Firm Transmission Service. (This use of CBM shall be consistent with the Transmission Service Provider's procedure for use of CBM.) | LOWER |
| MOD-007-0 | R2. | The Transmission Service Provider shall post the following three items within 15 calendar days after the use of CBM for an Energy Emergency. This posting shall be on a web site accessible by the Regional Reliability Organizations, NERC, and transmission users. | LOWER |
| MOD-007-0 | R2.1. | Circumstances. | LOWER |
| MOD-007-0 | R2.2. | Duration. | LOWER |

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|-----------------|--------------------|--|-----------------------|
| MOD-007-0 | R2.3. | Amount of CBM used. | LOWER |
| MOD-008-0 | R1. | Each Regional Reliability Organization, in conjunction with its members, shall develop and document a Regional TRM methodology. The Region's TRM methodology shall specify or describe each of the following five items, and shall explain its use, if any, in determining TRM values. Other items that are Region-specific or that are considered in each respective Regional methodology shall also be explained along with their use in determining TRM values. | LOWER |
| MOD-008-0 | R1.1. | Specify the update frequency of TRM calculations. | LOWER |
| MOD-008-0 | R1.2. | Specify how TRM values are incorporated into Available Transfer Capability calculations. | LOWER |
| MOD-008-0 | R1.3. | Specify the uncertainties accounted for in TRM and the methods used to determine their impacts on the TRM values. Any component of uncertainty, other than those identified in MOD-008-0_R 1.3.1 through MOD-008-0_R 1.3.7, shall benefit the interconnected transmission systems as a whole before they shall be permitted to be included in TRM calculations. The components of uncertainty identified in MOD-008-0_R 1.3.1 through MOD-008-0_R 1.3.7, if applied, shall be accounted for solely in TRM and not CBM. | LOWER |
| MOD-008-0 | R1.3.1. | Aggregate Load forecast error (not included in determining generation reliability requirements). | LOWER |
| MOD-008-0 | R1.3.2. | Load distribution error. | LOWER |
| MOD-008-0 | R1.3.3. | Variations in facility Loadings due to balancing of generation within a Balancing Authority Area. | LOWER |
| MOD-008-0 | R1.3.4. | Forecast uncertainty in transmission system topology. | LOWER |
| MOD-008-0 | R1.3.5. | Allowances for parallel path (loop flow) impacts. | LOWER |
| MOD-008-0 | R1.3.6. | Allowances for simultaneous path interactions. | LOWER |
| MOD-008-0 | R1.3.7. | Variations in generation dispatch. | LOWER |
| MOD-008-0 | R1.3.8. | Short-term System Operator response (Operating Reserve actions not exceeding a 59-minute window). | LOWER |
| MOD-008-0 | R1.4. | Describe the conditions, if any, under which TRM may be available to the market as Non-Firm Transmission Service. | LOWER |
| MOD-008-0 | R1.5. | Describe the formal process for the Regional Reliability Organization to grant any variances to individual Transmission Service Providers from the Regional TRM methodology. | LOWER |
| MOD-008-0 | R2. | The Regional Reliability Organization shall make its most recent version of the documentation of its TRM methodology available on a web site accessible by NERC, the Regional Reliability Organizations, and transmission users. | LOWER |
| MOD-009-0 | R1. | Each Regional Reliability Organization, in conjunction with its members, shall develop and implement a procedure to review Transmission Reliability Margin (TRM) calculations and resulting values of member Transmission Service Providers to ensure they comply with the Regional TRM methodology, and are periodically updated and available to transmission users. This procedure shall include the following four required elements: | LOWER |
| MOD-009-0 | R1.1. | Indicate the frequency under which the verification review shall be implemented. | LOWER |

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|-----------------|--------------------|---|-----------------------|
| MOD-009-0 | R1.2. | Require review of the process by which TRM values are updated, and their frequency of update, to ensure that the most current TRM values are available to transmission users. | LOWER |
| MOD-009-0 | R1.3. | Require review of the consistency of the Transmission Service Provider's TRM components with its published planning criteria. A TRM value is considered consistent with published planning criteria if the same components that comprise TRM are also addressed in the planning criteria. The methodology used to determine and apply TRM does not have to involve the same mechanics as the planning process, but the same uncertainties must be considered and any simplifying assumption explained. | LOWER |
| MOD-009-0 | R1.4. | Require TRM values to be periodically updated (at least prior to each season — winter, spring, summer, and fall), as necessary, and made available to the Regional Reliability Organizations, NERC, and transmission users. | LOWER |
| MOD-009-0 | R2. | The Regional Reliability Organization shall make documentation of its Regional TRM review procedure available to NERC on request (within 30 calendar days). | LOWER |
| MOD-009-0 | R3. | The Regional Reliability Organization shall make documentation of the results of the most current implementation of its TRM review procedure available to NERC on request (within 30 calendar days). | LOWER |
| MOD-010-0 | R1. | The Transmission Owners, Transmission Planners Generator Owners, and Resource Planners (specified in the data requirements and reporting procedures of MOD-011-0_R1) shall provide appropriate equipment characteristics, system data, and existing and future Interchange Schedules in compliance with its respective Interconnection Regional steady-state modeling and simulation data requirements and reporting procedures as defined in Reliability Standard MOD-011-0_R 1. | LOWER |
| MOD-010-0 | R2. | The Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners (specified in the data requirements and reporting procedures of MOD-011-0_R1) shall provide this steady-state modeling and simulation data to the Regional Reliability Organizations, NERC, and those entities specified within Reliability Standard MOD-011-0_R 1. If no schedule exists, then these entities shall provide the data on request (30 calendar days). | LOWER |
| MOD-011-0 | R1. | The Regional Reliability Organizations within an Interconnection, in conjunction with the Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners, shall develop comprehensive steady-state data requirements and reporting procedures needed to model and analyze the steady-state conditions for each of the NERC Interconnections: Eastern, Western, and ERCOT. Within an Interconnection, the Regional Reliability Organizations shall jointly coordinate the development of the data requirements and reporting procedures for that Interconnection. The Interconnection-wide requirements shall include the following steady-state data requirements: | HIGH |

| Standard Number | Requirement Number | Requirement | Violation Risk Factor |
|------------------------|---------------------------|--|------------------------------|
| MOD-011-0 | R1.1. | Bus (substation): name, nominal voltage, electrical demand supplied (consistent with the aggregated and dispersed substation demand data supplied per Reliability Standards MOD-016-0, MOD-017-0, and MOD-020-0), and location. | MEDIUM |
| MOD-011-0 | R1.2. | Generating Units (including synchronous condensers, pumped storage, etc.): location, minimum and maximum Ratings (net Real and Reactive Power), regulated bus and voltage set point, and equipment status. | MEDIUM |
| MOD-011-0 | R1.3. | AC Transmission Line or Circuit (overhead and underground): nominal voltage, impedance, line charging, Normal and Emergency Ratings (consistent with methodologies defined and Ratings supplied per Reliability Standard FAC-004-0 and FAC-005-0) equipment status, and metering locations. | MEDIUM |
| MOD-011-0 | R1.4. | DC Transmission Line (overhead and underground): line parameters, Normal and Emergency Ratings, control parameters, rectifier data, and inverter data. | MEDIUM |
| MOD-011-0 | R1.5. | Transformer (voltage and phase-shifting): nominal voltages of windings, impedance, tap ratios (voltage and/or phase angle or tap step size), regulated bus and voltage set point, Normal and Emergency Ratings (consistent with methodologies defined and Ratings supplied per Reliability Standard FAC-004-0 and FAC-005-0.), and equipment status. | MEDIUM |
| MOD-011-0 | R1.6. | Reactive Compensation (shunt and series capacitors and reactors): nominal Ratings, impedance, percent compensation, connection point, and controller device. | MEDIUM |
| MOD-011-0 | R1.7. | Interchange Schedules: Existing and future Interchange Schedules and/or assumptions. | MEDIUM |
| MOD-011-0 | R2. | The Regional Reliability Organizations within an Interconnection shall document their Interconnection's steady-state data requirements and reporting procedures, shall review those data requirements and reporting procedures (at least every five years), and shall make the data requirements and reporting procedures available on request (within five business days) to Regional Reliability Organizations, NERC, and all users of the interconnected transmission systems. | MEDIUM |
| MOD-012-0 | R1. | The Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners (specified in the data requirements and reporting procedures of MOD-013-0_R4) shall provide appropriate equipment characteristics and system data in compliance with the respective Interconnection-wide Regional dynamics system modeling and simulation data requirements and reporting procedures as defined in Reliability Standard MOD-013-0_R 4. | MEDIUM |
| MOD-012-0 | R2. | The Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners (specified in the data requirements and reporting procedures of MOD-013-0_R4) shall provide dynamics system modeling and simulation data to its Regional Reliability Organization(s), NERC, and those entities specified within the applicable reporting procedures identified in Reliability Standard MOD-013-0_R 1. If no schedule exists, then these entities shall provide data on request (30 calendar days). | MEDIUM |

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|-----------------|--------------------|---|-----------------------|
| MOD-013-0 | R1. | The Regional Reliability Organization, in coordination with its Transmission Owners, Transmission Planners, Generator Owners, and Resource Planners, shall develop comprehensive dynamics data requirements and reporting procedures needed to model and analyze the dynamic behavior or response of each of the NERC Interconnections: Eastern, Western, and ERCOT. Within an Interconnection, the Regional Reliability Organizations shall jointly coordinate on the development of the data requirements and reporting procedures for that Interconnection. Each set of Interconnection-wide dynamics data requirements shall include the following dynamics data requirements:: | MEDIUM |
| MOD-013-0 | R1.1. | Unit-specific dynamics data shall be reported for generators and synchronous condensers (including, as appropriate to the model, items such as inertia constant, damping coefficient, saturation parameters, and direct and quadrature axes reactances and time constants), excitation systems, voltage regulators, turbine-governor systems, power system stabilizers, and other associated generation equipment. | HIGH |
| MOD-013-0 | R1.1.1. | Estimated or typical manufacturer's dynamics data, based on units of similar design and characteristics, may be submitted when unit-specific dynamics data cannot be obtained. In no case shall other than unit-specific data be reported for generator units installed after 1990. | MEDIUM |
| MOD-013-0 | R1.1.2. | The Interconnection-wide requirements shall specify unit size thresholds for permitting: The use of non-detailed vs. detailed models; The netting of small generating units with bus load, and; The combining of multiple generating units at one plant | MEDIUM |
| MOD-013-0 | R1.2. | Device specific dynamics data shall be reported for dynamic devices, including, among others, static VAR controllers, high voltage direct current systems, flexible AC transmission systems, and static compensators. | MEDIUM |
| MOD-013-0 | R1.3. | Dynamics data representing electrical demand characteristics as a function of frequency and voltage. | LOWER |
| MOD-013-0 | R1.4. | Dynamics data shall be consistent with the reported steady-state (power flow) data supplied per Reliability Standard MOD-010-0_R 1. | LOWER |
| MOD-013-0 | R2. | The Regional Reliability Organization shall participate in the documentation of its Interconnection's data requirements and reporting procedures and, shall participate in the review of those data requirements and reporting procedures (at least every five years), and shall provide those data requirements and reporting procedures to Regional Reliability Organizations, NERC, and all users of the Interconnected systems on request (within five business days). | LOWER |
| MOD-014-0 | R1. | The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop and maintain a library of solved (converged) Interconnection-specific steady-state system models. The Interconnection-specific models shall include near- and longer-term planning horizons that are representative of system conditions for projected seasonal peak, minimum, and other appropriate system demand levels. | LOWER |

| Standard Number | Requirement Number | Requirement | Violation Risk Factor |
|------------------------|---------------------------|--|------------------------------|
| MOD-014-0 | R2. | The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop steady-state system models annually for selected study years, as determined by the Regional Reliability Organizations within its Interconnection. The Regional Reliability Organization shall provide the most recent solved (converged) Interconnection-specific steady-state models to NERC in accordance with each Interconnection's schedule for submission. | LOWER |
| MOD-015-0 | R1. | The Regional Reliability Organization(s) within each Interconnection shall coordinate and jointly develop and maintain a library of initialized (with no Faults or system Disturbances) Interconnection-specific dynamics system models linked to the steady-state system models, as appropriate, of Reliability Standard MOD-014-0_R 1. | LOWER |
| MOD-015-0 | R1.1. | The Regional Reliability Organization(s) shall develop Interconnection-specific dynamics system models for at least two timeframes (present or near-term model and a future or longer-term model), and additional seasonal and demand level models, as necessary, to analyze the dynamic response of that Interconnection. | MEDIUM |
| MOD-015-0 | R2. | The Regional Reliability Organization(s) within each Interconnection shall develop Interconnection dynamics system models for their Interconnection annually for selected study years as determined by the Regional Reliability Organization(s) within each Interconnection and shall provide the most recent initialized (approximately 25 seconds, no-fault) models to NERC in accordance with each Interconnection's schedule for submission. | MEDIUM |
| MOD-016-0 | R1. | The Planning Authority and Regional Reliability Organization shall have documentation identifying the scope and details of the actual and forecast (a) Demand data, (b) Net Energy for Load data, and (c) controllable DSM data to be reported for system modeling and reliability analyses. | MEDIUM |
| MOD-016-0 | R1.1. | The aggregated and dispersed data submittal requirements shall ensure that consistent data is supplied for Reliability Standards TPL-005-0, TPL-006-0, MOD-010-0, MOD-011-0, MOD-012-0, MOD-013-0, MOD-014-0, MOD-015-0, MOD-016, MOD-017-0, MOD-018-0, MOD-019-0, MOD-020-0, and MOD-021-0. | MEDIUM |
| MOD-016-0 | R2. | The documentation of the scope and details of the data reporting requirements shall be available on request (five business days). | MEDIUM |
| MOD-017-0 | R1. | The Load-Serving Entity, Planning Authority and Resource Planner shall each provide the following information annually on an aggregated Regional, subregional, Power Pool, individual system, or Load-Serving Entity basis to NERC, the Regional Reliability Organizations, and any other entities specified by the documentation in Standard MOD-016-0_R 1. | LOWER |
| MOD-017-0 | R1.1. | Integrated hourly demands in megawatts (MW) for the prior year. | LOWER |
| MOD-017-0 | R1.2. | Monthly and annual peak hour actual demands in MW and Net Energy for Load in gigawatthours (GWh) for the prior year. | LOWER |
| MOD-017-0 | R1.3. | Monthly peak hour forecast demands in MW and Net Energy for Load in GWh for the next two years. | LOWER |

| Standard Number | Requirement Number | Requirement | Violation Risk Factor |
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| MOD-017-0 | R1.4. | Annual Peak hour forecast demands (summer and winter) in MW and annual Net Energy for load in GWh for at least five years and up to ten years into the future, as requested. | LOWER |
| MOD-018-0 | R1. | The Load-Serving Entity, Planning Authority, Transmission Planner and Resource Planner's report of actual and forecast demand data (reported on either an aggregated or dispersed basis) shall: | LOWER |
| MOD-018-0 | R1.1. | Indicate whether the demand data of nonmember entities within an area or Regional Reliability Organization are included, and | LOWER |
| MOD-018-0 | R1.2. | Address assumptions, methods, and the manner in which uncertainties are treated in the forecasts of aggregated peak demands and Net Energy for Load. | LOWER |
| MOD-018-0 | R1.3. | Items (MOD-018-0_R 1.1) and (MOD-018-0_R 1.2) shall be addressed as described in the reporting procedures developed for Standard MOD-016-0_R 1. | LOWER |
| MOD-018-0 | R2. | The Load-Serving Entity, Planning Authority, Transmission Planner and Resource Planner shall each report data associated with Reliability Standard MOD-018-0_R1 to NERC, the Regional Reliability Organization, Load-Serving Entity, Planning Authority, and Resource Planner on request (within 30 calendar days). | LOWER |
| MOD-019-0 | R1. | The Load-Serving Entity, Planning Authority, Transmission Planner, and Resource Planner shall each provide annually its forecasts of interruptible demands and Direct Control Load Management (DCLM) data for at least five years and up to ten years into the future, as requested, for summer and winter peak system conditions to NERC, the Regional Reliability Organizations, and other entities (Load-Serving Entities, Planning Authorities, and Resource Planners) as specified by the documentation in Reliability Standard MOD-016-0_R 1. | LOWER |
| MOD-020-0 | R1. | The Load-Serving Entity, Transmission Planner, and Resource Planner shall each make known its amount of interruptible demands and Direct Control Load Management (DCLM) to Transmission Operators, Balancing Authorities, and Reliability Coordinators on request within 30 calendar days. | LOWER |
| MOD-021-0 | R1. | The Load-Serving Entity Transmission Planner and Resource Planner's forecasts shall each clearly document how the Demand and energy effects of DSM programs (such as conservation, time-of-use rates, interruptible Demands, and Direct Control Load Management) are addressed. | LOWER |
| MOD-021-0 | R2. | The Load-Serving Entity, Transmission Planner and Resource Planner shall each include information detailing how Demand-Side Management measures are addressed in the forecasts of its Peak Demand and annual Net Energy for Load in the data reporting procedures of Standard MOD-016-0_R 1. | LOWER |
| MOD-021-0 | R3. | The Load-Serving Entity, Transmission Planner and Resource Planner shall each make documentation on the treatment of its DSM programs available to NERC on request (within 30 calendar days). | LOWER |