

## **Mapping Document**

Project 2020-06 Verifications of Models and Data for Generators

The standard drafting team (SDT) proposes the retirement of MOD-027-1 by combining the requirements of MOD-026-1 and MOD-027-1 into MOD-026-2. Due to the extensive revisions made to the combined standards, this mapping document is provided in lieu of a redline to last approved version. The approved standards and proposed standard have explanatory footnotes. For ease of use, this document does not include all footnotes unless relevant to the proposed changes.

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Requirement in Approved Standard	Translation to New Standard or Other Action	Description and Change Justification
<ul> <li>R1. Each Transmission Planner shall provide the following requested information to the Generator Owner within 90 calendar days of receiving a written request: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]</li> <li>Instructions on how to obtain the list of excitation control system or plant volt/var control function models that are acceptable to the Transmission Planner for use in dynamic simulation,</li> <li>Instructions on how to obtain the dynamic excitation control system or plant volt/var control function model library block diagrams and/or data</li> </ul>	<ul> <li>MOD-026-2, Requirement R1</li> <li>R1. Each Transmission Planner and its Planning Authority shall jointly develop dynamic model requirements and processes. The dynamic model requirements and processes shall be made available to the Generator Owner and Transmission Owner by the Transmission Planner, and include at a minimum the following: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]</li> <li>1.1. Acceptable positive sequence dynamic models, format, and level of detail;</li> <li>1.2. Acceptable electromagnetic transient (EMT) models, format, and level of detail;</li> </ul>	MOD-026-2, Requirement R1 retains the intent of the old requirement. The new requirement involves the Transmission Planner taking proactive action. The Planning Authority becomes jointly involved in the defining the acceptable model requirements and processes. Acceptable EMT models and format are added to the requirement. The Transmission Planner defines acceptance criteria, which would be used to determine whether the model is acceptable and usable from their perspective. See Technical Rationale for additional information.



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sheets for models that are acceptable to the Transmission Planner, or  • Model data for any of the Generator Owner's existing applicable unit specific excitation control system or plant volt/var control function contained in the Transmission Planner's dynamic database from the current (in-use) models, including generator MVA base.	<ul> <li>1.3. Acceptance criteria used by the Transmission Planner to determine disposition in Requirement R8 including at a minimum the following:  <ol> <li>1.3.1. model parameterization checks;</li> <li>1.3.2. model usability, initialization, and interoperability; and</li> <li>1.3.3. model submittal requirements.</li> </ol> </li> <li>1.4. Process for Generator Owner or Transmission Owner to provide verified models to the Transmission Planner;</li> <li>1.5. Process by which verified model(s) are submitted to the applicable Planning Authority, after the model(s) meets acceptance criteria of Part 1.3; and</li> <li>1.6. Process for Generator Owner or Transmission Owner to obtain the model(s) contained in the Transmission Planner's database for an existing Facility owned by the Generator Owner or Transmission Owner.</li> </ul>	
MOD-026-1, Requirement R2  R2. Each Generator Owner shall provide for each applicable unit, a verified generator excitation control system or plant volt/var	MOD-026-1, Requirement R2 is addressed by MOD-026-2 Requirement R2 (synchronous) and R4 (IBR).	The old requirement is separated into two requirements based on the type of Facility being modeled. The technology specific requirement language for synchronous and IBR units is



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control function model, including documentation and data (as specified in Part 2.1) to its Transmission Planner in accordance with the periodicity specified in MOD-026 Attachment 1. [Violation Risk Factor: Medium] [Time Horizon: Long-term Planning]  2.1. Each applicable unit's model shall be verified by the Generator Owner using one or more models acceptable to the Transmission Planner. Verification for individual units less than 20 MVA (gross nameplate rating) in a generating plant (per Section 4.2.1.2, 4.2.2.2, or 4.2.3.2) may be performed using either individual unit or aggregate unit model(s), or both.	R2. For synchronous generation identified in Section 4.2.1 or 4.2.2 or a synchronous condenser identified in Section 4.2.4.1, each Generator Owner or Transmission Owner shall provide a verified positive sequence dynamic model(s), associated parameters, and accompanying information that represent the in-service equipment of the Facility to its Transmission Planner, in accordance with the periodicity in MOD-026-2 Attachment 1. The verified model(s) and accompanying information shall include at a minimum the following: [Violation Risk Factor: Medium] [Time Horizon: Long-term Planning]	updated for each respective requirement. New language is added, so the model and associated parameters must represent in-service equipment of the Facility. The verified model must include enabled protection systems. See Technical Rationale for additional information.
Each verification shall include the following:  2.1.1. Documentation demonstrating the applicable unit's model response matches the recorded response for a voltage excursion from either a staged test or a measured system disturbance,	<ul> <li>2.1. Manufacturer, model number (if available), and type of generator/synchronous condenser, excitation system hardware, and Protection System(s) of Part 2.3;</li> <li>2.2. Model(s) representing the generator/synchronous condenser, and associated excitation system including</li> </ul>	
<b>2.1.2.</b> Manufacturer, model number (if available), and type of the excitation control system	voltage regulator, impedance compensation, power system stabilizer, excitation limiters, and outer-loop	



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	including, but not limited to static, AC brushless, DC rotating, and/or the plant volt/var control function (if installed),	controls which impact dynamic volt/volt-ampere reactive (VAR) performance; 2.3. Model(s) representing enabled	
2.1.3.	Model structure and data including, but not limited to reactance, time constants, saturation factors, total rotational inertia, or equivalent data for the generator,	Protection Systems that directly trip the generator/synchronous condenser. Protection Systems that shall be modeled include over- and undervoltage, stator and field overcurrent, loss of field, out-of-step, and volts per	
2.1.4.	Model structure and data for the excitation control system, including the closed loop voltage regulator if a closed loop voltage regulator is installed or the model structure and data for the plant volt/var control function system,	hertz protection; and  2.4. Validation of the positive sequence dynamic model(s) of Part 2.2 response using the recorded response for a dynamic volt or VAR event from either a staged test or a measured system disturbance.  MOD-026-2 Requirement R4	
2.1.5.	Compensation settings (such as droop, line drop, differential compensation), if used, and	R4. For inverter based resources (IBRs) identified in Section 4.2.3, FACTS devices identified in Section 4.2.4.2, and VSC HVDC	
2.1.6.	Model structure and data for power system stabilizer, if so equipped.	identified in section 4.2.5.2, each Generator Owner or Transmission Owner shall provide a verified positive sequence dynamic model(s), associated parameters, and accompanying information that represent the in-service equipment of the Facility to its	



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	Transmission Planner, in accordance with the periodicity in MOD-026-2 Attachment 1. The verified model(s) and accompanying information shall include at a minimum the following: [Violation Risk Factor: Medium] [Time Horizon: Long-term Planning]	
	4.1. Manufacturer, model number, and software/firmware version number of the IBR unit (s) and power plant controller;	
	4.2. Model(s) representing the IBR unit(s), and associated reactive power control system including the IBR unit's electrical control, power plant controller, auxiliary reactive resources, and other equipment which impacts plant voltage and reactive power dynamic response;	
	4.3. Model(s) representing enabled protections and limiting functions, that either directly trip IBR unit(s) or plant, or limit active/reactive output of the IBR unit or plant; and	
	4.4. Validation of the positive sequence dynamic model(s) of Part 4.2 response using the recorded response for a	



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	dynamic volt or VAR event from either a staged test or a system disturbance.	
<ul> <li>R3.Each Generator Owner shall provide a written response to its Transmission Planner within 90 calendar days of receiving one of the following items for an applicable unit:         <ul> <li>Written notification from its Transmission Planner (in accordance with Requirement R6) that the excitation control system or plant volt/var control function model is not usable,</li> <li>Written comments from its Transmission Planner identifying technical concerns with the verification documentation related to the excitation control system or plant volt/var control function model, or</li> <li>Written comments and supporting evidence from its Transmission Planner indicating that the simulated excitation control system or plant volt/var control function model response did not match the recorded response to a transmission system event.</li> </ul> </li> </ul>	<ul> <li>R9. Each Generator Owner or Transmission     Owner receiving a notification of denial     under Requirement R8 or a technical     justification for model review shall provide a     written response to its Transmission Planner     within 90 calendar days of receiving a     notification. The written response shall     contain one of the following: [Violation Risk     Factor: Lower] [Time Horizon: Operations     Planning]</li> <li>An updated verified model and     accompanying information in     accordance with Requirements R2–R6,</li> <li>A mutually agreed upon plan with its     Transmission Planner to verify the     model in accordance with Requirements     R2–R6, or</li> <li>Technical justification and supporting     evidence for maintaining the current     model.</li> </ul>	MOD-026-2, Requirement R9 retains the intent and most content of the old requirement. The requirement language is updated as needed based on the changes made to the other requirements. The reasons a Transmission Planner may issue a notification of denial are outlined in MOD-026-2 Requirement R8. See Technical Rationale for more information.



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The written response shall contain either the technical basis for maintaining the current model, the model changes, or a plan to perform model verification <sup>[3]</sup> (in accordance with Requirement R2).		
MOD-026-1, Requirement R4  R4. Each Generator Owner shall provide revised model data or plans to perform model verification <sup>[4]</sup> (in accordance with Requirement R2) for an applicable unit to its Transmission Planner within 180 calendar days of making changes to the excitation control system or plant volt/var control function that alter the equipment response characteristic. <sup>5</sup> [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]	R7. Each Generator Owner or Transmission Owner shall provide an updated verified model(s) or a mutually agreed upon plan with its Transmission Planner to verify the model in accordance with Requirements R2–R6 to its Transmission Planner within 180 calendar days of making a change to in- service equipment specified in Part 2.2, 3.2, 4.2, 5.2, or 6.3 that alters the equipment response characteristic. <sup>13</sup>	MOD-026-2, Requirement R7 retains the intent of the old requirement. The new requirement refers to the in-service equipment outlined in Requirements R2–R6, and footnote <sup>13</sup> specifies the type of changes that are included. See Technical Rationale for more information.
Footnote 5: Exciter, voltage regulator, plant volt/var or power system stabilizer control replacement including software alterations that alter excitation control system equipment response, plant digital control system addition or replacement, plant digital control system software alterations that alter excitation control system equipment response, plant volt/var function equipment addition or replacement (such as static var systems, capacitor banks, individual unit excitation systems, etc.), a change in the voltage control mode (such as going from power factor control to automatic voltage control, etc.), exciter,	Footnote 13: This includes a hardware, software, firmware, control mode, or setting change to inservice equipment that alters the equipment response characteristics.	



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voltage regulator, impedance compensator, or power system stabilizer settings change. Automatic changes in settings that occur due to changes in operating mode do not apply to Requirement R4.		
<ul> <li>R5. Each Generator Owner shall provide a written response to its Transmission Planner, within 90 calendar days following receipt of a technically justified<sup>6</sup> unit request from the Transmission Planner to perform a model review of a unit or plant that includes one of the following: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]</li> <li>Details of plans to verify the model (in accordance with Requirement R2), or</li> <li>Corrected model data including the source of revised model data such as discovery of manufacturer test values to replace generic model data or updating of data parameters based on an on-site review of the equipment.</li> <li>Footnote 6: Technical justification is achieved by the Transmission Planner demonstrating that the simulated unit or plant response does not match the measured unit or plant response.</li> </ul>	<ul> <li>R9. Each Generator Owner or Transmission Owner receiving a notification of denial under Requirement R8 or a request from its Transmission Planner for a model review due to identified model or accompanying information deficiencies shall provide a written response to its Transmission Planner within 90 calendar days of receiving a notification or request. The written response shall contain one of the following: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]</li> <li>An updated verified model and accompanying information in accordance with Requirements R2–R6,</li> <li>A mutually agreed upon plan with its Transmission Planner to verify the model in accordance with Requirements R2–R6, or</li> </ul>	MOD-026-2, Requirement R9 incorporates the intent of the old requirement. Footnote <sup>6</sup> is no longer needed, since a model review request would identify model deficiencies. See Technical Rationale for more information.



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	<ul> <li>Technical justification and supporting evidence for maintaining the current model.</li> </ul>	
MOD-026-1, Requirement R6  R6. Each Transmission Planner shall provide a written response to the Generator Owner within 90 calendar days of receiving the verified excitation control system or plant volt/var control function model information in accordance with Requirement R2 that the model is usable (meets the criteria specified in Parts 6.1 through 6.3) or is not usable.  6.1. The excitation control system or plant volt/var control function model initializes to compute modeling data without error,  6.2. A no-disturbance simulation results in negligible transients, and  6.3. For an otherwise stable simulation, a disturbance simulation results in the excitation control and plant volt/var control function model exhibiting positive damping.  If the model is not usable, the Transmission Planner shall provide a technical description of	<ul> <li>MOD-026-2, Requirement R8</li> <li>R8. Each Transmission Planner shall review the verified model and accompanying information, an updated verified model provided under Requirement R7, or a written response provided under Requirement R9, provided by a Generator Owner or Transmission Owner, and provide a written response to the submitter within 90 calendar days from receiving the verified model information. The written response shall include one of the following: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]</li> <li>Notification of acceptance: the model and accompanying information meet the acceptance criteria established in Requirement R1, or</li> <li>Notification of denial: the model and accompanying information does not meet acceptance criteria established in Requirement R1, or information submitted is incomplete. The</li> </ul>	MOD-026-2, Requirement R8 retains the intent of the old requirement. The new requirement specifies the Transmission Planner to review the model and accompanying information submitted. The new requirement adds the option of either notification of acceptance or notification of denial. The new requirement also points to the acceptance criteria, which are defined by the Transmission Planner in Requirement R1, Part 1.3. See Technical Rationale for more information.



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Factor: Medium] [Time Horizon: Operations Planning	notification of denial shall include an explanation and supporting evidence.	
	MOD-026-2, Requirement R1, Part 1.3	
	1.3. Acceptance criteria used by the Transmission Planner to determine disposition in Requirement R8 including at a minimum the following:	
	1.3.1. model parameterization checks;	
	1.3.2. model usability, initialization, and interoperability; and	
	1.3.3. model submittal requirements.	



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<ul> <li>R1. Each Transmission Planner shall provide the following requested information to the Generator Owner within 90 calendar days of receiving a written request: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]</li> <li>Instructions on how to obtain the list of turbine/governor and load control or active power/frequency control system models that are acceptable to the Transmission Planner for use in dynamic simulation,</li> <li>Instructions on how to obtain the dynamic turbine/governor and load control or active power/frequency control function model library block diagrams and/or data sheets for models that are acceptable to the Transmission Planner, or</li> <li>Model data for any of the Generator Owner's existing applicable unit specific turbine/governor and load control or active power/frequency control system contained in the Transmission Planner's</li> </ul>	R1. Each Transmission Planner and its Planning Authority shall jointly develop dynamic model requirements and processes. The dynamic model requirements and processes shall be made available to the Generator Owner and Transmission Owner by the Transmission Planner, and include at a minimum the following: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]  1.1. Acceptable positive sequence dynamic models, format, and level of detail;  1.2. Acceptable electromagnetic transient (EMT) models, format, and level of detail;  1.3. Acceptance criteria used by the Transmission Planner to determine disposition in Requirement R8 including at a minimum the following:  1.3.1. model parameterization checks;  1.3.2. model usability, initialization, and interoperability; and  1.3.3. model submittal requirements.	MOD-026-2, Requirement R1 retains the intent old requirement. The new requirement involves the Transmission Planner taking proactive action. The Planning Authority becomes jointly involved in the defining the acceptable model requirements and processes. Acceptable EMT models and format are added to the requirement. The Transmission Planner defines acceptance criteria, which would be used to determine whether the model is acceptable and usable from their perspective. See Technical Rationale for additional information.



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1.4. Process for Generator Owner or Transmission Owner to provide verified models to the Transmission Planner;		
1.5. Process by which verified model(s) are submitted to the applicable Planning Authority, after the model(s) meets acceptance criteria of Part 1.3; and		
1.6. Process for Generator Owner or Transmission Owner to obtain the model(s) contained in the Transmission Planner's database for an existing Facility owned by the Generator Owner or Transmission Owner.		
MOD-027-1, Requirement R2 (synchronous generation) is addressed by MOD-026-2 Requirement R3 and Requirement R5 (IBR)  MOD-026-2 Requirement R3  R3. For synchronous generation identified in Section 4.2.1 or 4.2.2, each Generator Owner shall provide a verified positive sequence dynamic model(s), associated parameters, and accompanying information that represent the in-service equipment of the Facility to its  Transmission Planner, in accordance with the periodicity in MOD-026-2 Attachment 1. The	The old requirement is separated into two requirements based on the type of Facility being modeled. The technology specific requirement language for synchronous and IBR units is updated for each respective requirement. New language is added, so the model and associated parameters must represent in-service equipment of the Facility. The verified model must include enabled protection systems. See Technical Rationale for additional information.	
	1.4. Process for Generator Owner or Transmission Owner to provide verified models to the Transmission Planner;  1.5. Process by which verified model(s) are submitted to the applicable Planning Authority, after the model(s) meets acceptance criteria of Part 1.3; and  1.6. Process for Generator Owner or Transmission Owner to obtain the model(s) contained in the Transmission Planner's database for an existing Facility owned by the Generator Owner or Transmission Owner.  MOD-027-1, Requirement R2 (synchronous generation) is addressed by MOD-026-2 Requirement R3 and Requirement R5 (IBR)  MOD-026-2 Requirement R3  R3. For synchronous generation identified in Section 4.2.1 or 4.2.2, each Generator Owner shall provide a verified positive sequence dynamic model(s), associated parameters, and accompanying information that represent the in-service equipment of the Facility to its	



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individ (gross i plant (j 4.2.3.2 individ or both	nission Planner. Verification for ual units rated less than 20 MVA nameplate rating) in a generating per Section 4.2.1.2, 4.2.2.2, or ) may be performed using either ual unit or aggregate unit model(s) n. Each verification shall include lowing:	<ul> <li>information shall include at a minimum the following: [Violation Risk Factor: Medium]</li> <li>[Time Horizon: Long-term Planning]</li> <li>3.1. Manufacturer, model number (if available), type of turbine, type of governor, mode of operation, and Protection System(s) of Part 3.3;</li> </ul>	
	Documentation comparing the applicable unit's MW model response to the recorded MW response for either:  • A frequency excursion from a system disturbance that meets MOD-027 Attachment 1 Note 1 with the applicable unit on-line,  • A speed governor reference change with the applicable unit on-line, or	<ul> <li>3.2. Model(s) representing the turbine, governor control system, load controller, and other outer loop controls that override the governor response or modes of operation that limit frequency response, but excluding automatic generation control;</li> <li>3.3. Model(s) representing enabled Protection Systems that directly trip the turbine-generator. Protection Systems that shall be modeled include over- and underspeed, and over- and under-frequency; and</li> </ul>	
2.1.2.	• A partial load rejection test, [2]  Type of governor and load control or active power control/frequency control [3] equipment,	3.4. Validation of the positive sequence dynamic model(s) of Part 3.2 response using the recorded response for a dynamic active power or frequency event from either a staged test or a measured system disturbance in which perceived frequency deviates per Attachment 1, Note 1.	



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2.1.3. 2.1.4.	A description of the turbine (e.g. for hydro turbine - Kaplan, Francis, or Pelton; for steam turbine - boiler type, normal fuel type, and turbine type; for gas turbine - the type and manufacturer; for variable energy plant - type and manufacturer),	R5. For inverter based resources identified in Section 4.2.3, LCC HVDC identified in Section 4.2.5.1, and VSC HVDC identified in Section 4.2.5.2, each Generator Owner or Transmission Owner shall provide a verified positive sequence dynamic model(s), associated parameters, and accompanying information that represent the in-service equipment of the Facility to its Transmission Planner, in accordance with the periodicity in	
2.1.5.	Representation of the real power response effects of outer loop controls (such as operator set point controls, and load control but excluding AGC control) that would override the governor response (including blocked or nonfunctioning governors or modes of operation that limit Frequency Response), if applicable.	<ul> <li>MOD-026-2 Attachment 1. The verified model(s)shall include at a minimum the following: [Violation Risk Factor: Medium] [Time Horizon: Long-term Planning]</li> <li>5.1. Manufacturer, model number, and software/firmware version number of the IBR unit(s), power plant controller;</li> <li>5.2. Model(s) representing the IBR unit(s), and associated active power/frequency control including the IBR unit's electrical control, power plant controller, and other equipment which impacts plant active power or grid frequency dynamic response;</li> <li>5.3. Model(s) representing enabled protections and limiting functions, that</li> </ul>	



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	either directly trip IBR unit(s) or plant, or limit active/reactive output of the IBR unit or plant; and	
	5.4. Validation of the positive sequence dynamic model of Part 5.2 response using the recorded response for a dynamic active power or frequency event from either a staged test or a measured system disturbance in which the power plant controller's or other Facility active power controller's, perceived frequency deviates per Attachment 1, Note 1;	
<ul> <li>R3. Each Generator Owner shall provide a written response to its Transmission Planner within 90 calendar days of receiving one of the following items for an applicable unit.</li> <li>Written notification, from its Transmission Planner (in accordance with Requirement R5) that the turbine/governor and load control or active power/frequency control model is not "usable,"</li> <li>Written comments from its Transmission Planner identifying technical concerns with the verification documentation related to the turbine/governor and load</li> </ul>	R9. Each Generator Owner or Transmission Owner receiving a notification of denial under Requirement R8 or a request from its Transmission Planner for a model review due to identified model or accompanying information deficiencies shall provide a written response to its Transmission Planner within 90 calendar days of receiving a notification or request. The written response shall contain one of the following: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]	MOD-026-2, Requirement R9 retains the intent and most content of the old requirement. The requirement language is updated as needed based on the changes made to the other requirements. The reasons for a notification of denial from Transmission Planner are outlined in MOD-026-2 Requirement R8. See Technical Rationale for more information.



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<ul> <li>control or active power/frequency control model, or</li> <li>Written comments and supporting evidence from its Transmission Planner indicating that the simulated turbine/governor and load control or active power/frequency control response did not approximate the recorded response for three or more transmission system events.</li> <li>The written response shall contain either the technical basis for maintaining the current model, the model changes, or a plan to perform model verification<sup>[4]</sup> (in accordance with Requirement R2). [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]</li> </ul>	<ul> <li>An updated verified model and accompanying information in accordance with Requirements R2–R6,</li> <li>A mutually agreed upon plan with its Transmission Planner to verify the model in accordance with Requirements R2–R6, or</li> <li>Technical justification and supporting evidence for maintaining the current model.</li> </ul>	
R4. Each Generator Owner shall provide revised model data or plans to perform model verification <sup>[5]</sup> (in accordance with Requirement R2) for an applicable unit to its Transmission Planner within 180 calendar days of making changes to the turbine/governor and load control or active power/frequency control system that alter the equipment response characteristic <sup>[6]</sup>	R7. Each Generator Owner or Transmission Owner shall provide an updated verified model(s) or a mutually agreed upon plan with its Transmission Planner to verify the model in accordance with Requirements R2–R6 to its Transmission Planner within 180 calendar days of making a change to in-service equipment specified in Part 2.2, 3.2, 4.2, 5.2, or 6.3 that alters the equipment response characteristic.	MOD-026-2, Requirement R7 retains the intent of the old requirement. The new requirement refers to the in-service equipment outlined in Requirements R2–R6, and footnote <sup>13</sup> specifies the type of changes that are included.



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[Violation Risk Factor: Lower] [Time Horizon: Operations Planning]	Footnote <sup>13</sup> : This includes a hardware, software, firmware, control mode, or setting change to in-service equipment that alters the equipment response characteristics.		
<ul> <li>R5. Each Transmission Planner shall provide a written response to the Generator Owner within 90 calendar days of receiving the turbine/governor and load control or active power/frequency control system verified model information in accordance with Requirement R2 that the model is usable (meets the criteria specified in Parts 5.1 through 5.3) or is not usable.</li> <li>5.1. The turbine/governor and load control or active power/frequency control function model initializes to compute modeling</li> </ul>	R8. Each Transmission Planner shall review the verified model and accompanying information, an updated verified model provided under Requirement R7, or a written response provided under Requirement R9, provided by a Generator Owner or Transmission Owner, and provide a written response to the submitter within 90 calendar days from receiving the verified model information. The written response shall include one of the following: [Violation Risk Factor: Lower] [Time Horizon: Operations Planning]	MOD-026-2, Requirement R8 retains the intent of the old requirement. The new requirement specifies the Transmission Planner to review the model and accompanying information submitted. The new requirement adds the option of either notification of acceptance or notification of denial. The new requirement also points to the acceptance criteria, which are defined by the Transmission Planner in Requirement R1. See Technical Rationale for more information.	
data without error, <b>5.2.</b> A no-disturbance simulation results in negligible transients, and	<ul> <li>Notification of acceptance: the model and accompanying information meet the acceptance criteria established in Requirement R1, or</li> </ul>		
5.3. For an otherwise stable simulation, a disturbance simulation results in the turbine/governor and load control or active power/frequency control model exhibiting positive damping.	<ul> <li>Notification of denial: the model and accompanying information does not meet acceptance criteria established in Requirement R1, or information submitted is incomplete. The notification of denial</li> </ul>		



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If the model is not usable, the Transmission Planner shall provide a technical description of why the model is not usable. [Violation Risk Factor: Medium] [Time Horizon: Operations Planning]	shall include an explanation and supporting evidence.  MOD-026-2, Requirement R1, Part 1.3  1.3. Acceptance criteria used by the Transmission Planner to determine disposition in Requirement R7 including at a minimum the following:  1.3.1. model parameterization checks;  1.3.2. model usability, initialization, and interoperability; and  1.3.3. model submittal requirements.	