

Violation Severity Levels for Requirements in Critical Infrastructure, Communications and Voltage and Reactive Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
CIP-001-1	R1.	Each Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, and Load-Serving Entity shall have procedures for the recognition of and for making their operating personnel aware of sabotage events on its facilities and multi site sabotage affecting larger portions of the Interconnection.	N/A	N/A	The responsible entity has a procedures for the recognition of sabotage events on its facilities and multi site sabotage affecting larger portions of the Interconnection but does not have a procedure for making their operating personnel aware of said events.	The responsible entity failed to have procedures for the recognition of and for making their operating personnel aware of sabotage events on its facilities and multi site sabotage affecting larger portions of the Interconnection.
CIP-001-1	R2.	Each Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, and Load-Serving Entity shall have procedures for the communication of information concerning sabotage events to appropriate parties in the Interconnection.	N/A	N/A	The responsible entity has demonstrated the existence of a procedure to communicate information concerning sabotage events, but not all of the appropriate parties in the interconnection are identified.	The responsible entity failed to have a procedure for communicating information concerning sabotage events.
CIP-001-1	R3.	Each Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, and Load-Serving Entity shall provide its operating personnel with sabotage response guidelines, including personnel to contact, for reporting disturbances due to sabotage events.	N/A	The responsible entity has demonstrated the existence of a response guideline for reporting disturbances due to sabotage events, but the guideline did not list all of the appropriate personnel to contact.	The responsible entity has demonstrated the existence of a response guideline for reporting disturbances due to sabotage events, including all of the appropriate personnel to contact, but the guideline was not available to its operating personnel.	The responsible entity failed to have a response guideline for reporting disturbances due to sabotage events.

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CIP-001-1	R4.	Each Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, and Load-Serving Entity shall establish communications contacts, as applicable, with local Federal Bureau of Investigation (FBI) or Royal Canadian Mounted Police (RCMP) officials and develop reporting procedures as appropriate to their circumstances.	N/A	N/A	The responsible entity has established communications contacts, as applicable, with local Federal Bureau of Investigation (FBI) or Royal Canadian Mounted Police (RCMP) officials, but has not developed a reporting procedure.	The responsible entity failed to establish communications contacts, as applicable, with local Federal Bureau of Investigation (FBI) or Royal Canadian Mounted Police (RCMP) officials, nor developed a reporting procedure.
COM-001-1	R1.	Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall provide adequate and reliable telecommunications facilities for the exchange of Interconnection and operating information:	The responsible entity's telecommunications is not redundant or diversely routed where required by other operating entities for the exchange of interconnection or operating data.	The responsible entity's telecommunications is not redundant or diversely routed where required and has failed to establish telecommunications internally for the exchange of interconnection or operating data needed to maintain BES reliability.	The responsible entity's telecommunications is not redundant or diversely routed where required and has failed to establish telecommunications internally and with other Reliability Coordinators, Transmission Operators, or Balancing Authorities for the exchange of interconnection or operating data needed to maintain BES reliability.	The responsible entity's telecommunications is not redundant or diversely routed where required and has failed to establish telecommunications internally and with both other and its Reliability Coordinators, Transmission Operators, or Balancing Authorities for the exchange of interconnection or operating data needed to maintain BES reliability.

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COM-001-1	R1.1.	Internally.	The responsible entity has failed to establish telecommunications internally for the exchange of interconnection or operating data needed to maintain BES reliability.	N/A	N/A	N/A
COM-001-1	R1.2.	Between the Reliability Coordinator and its Transmission Operators and Balancing Authorities.	The responsible entity has failed to establish telecommunications with its Reliability Coordinator, Transmission Operators, or Balancing Authorities for the exchange of interconnection or operating data needed to maintain BES reliability.	N/A	N/A	N/A

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COM-001-1	R1.3.	With other Reliability Coordinators, Transmission Operators, and Balancing Authorities as necessary to maintain reliability.	The responsible entity has failed to establish telecommunications with other Reliability Coordinators, Transmission Operators, or Balancing Authorities for the exchange of interconnection or operating data needed to maintain BES reliability.	N/A	NA	N/A
COM-001-1	R1.4.	Where applicable, these facilities shall be redundant and diversely routed.	The responsible entity's telecommunications is not redundant or diversely routed where required by other operating entities for the exchange of interconnection or operating data.	N/A	N/A	N/A
COM-001-1	R2.	Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall manage, alarm, test and/or actively monitor vital telecommunications facilities. Special attention shall be given to emergency telecommunications facilities and equipment not used for routine communications.	N/A	The responsible entity has failed to manage, alarm, test, or monitor its emergency telecommunications facilities.	The responsible entity has failed to manage, alarm, test, or monitor its primary telecommunications facilities.	The responsible entity has failed to manage, alarm, test, or monitor its primary and emergency telecommunications facilities.

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COM-001-1	R3.	Each Reliability Coordinator, Transmission Operator and Balancing Authority shall provide a means to coordinate telecommunications among their respective areas. This coordination shall include the ability to investigate and recommend solutions to telecommunications problems within the area and with other areas.	N/A	N/A	The responsible entity failed to assist in the investigation and recommending of solutions to telecommunications problems within the area and with other areas.	The responsible entity failed to provide a means to coordinate telecommunications among their respective areas including assisting in the investigation and recommending of solutions to telecommunications problems within the area and with other areas.
COM-001-1	R4.	Unless agreed to otherwise, each Reliability Coordinator, Transmission Operator, and Balancing Authority shall use English as the language for all communications between and among operating personnel responsible for the real-time generation control and operation of the interconnected Bulk Electric System. Transmission Operators and Balancing Authorities may use an alternate language for internal operations.	N/A	N/A	N/A	The responsible entity failed to provide documentation of agreement to use a language other than English for all communications between and among operating personnel responsible for the real-time generation control and operation of the interconnected Bulk Electric System.
COM-001-1	R5.	Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall have written operating instructions and procedures to enable continued operation of the system during the loss of telecommunications facilities.	N/A	N/A	N/A	The responsible entity did not have written operating instructions and procedures to enable continued operation of the system during the loss of telecommunications facilities.

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COM-001-1	R6.	Each NERCNet User Organization shall adhere to the requirements in Attachment 1-COM-001-0, "NERCNet Security Policy."	The NERCNet User Organization failed to adhere to less than 25% of the requirements listed in COM-001-0, Attachment 1, "NERCNet Security Policy".	The NERCNet User Organization failed to adhere to 25% or more but less than 50% of the requirements listed in COM-001-0, Attachment 1, "NERCNet Security Policy".	The NERCNet User Organization failed to adhere to 50% or more but less than 75% of the requirements listed in COM-001-0, Attachment 1, "NERCNet Security Policy".	The NERCNet User Organization failed to adhere to 75% or more of the requirements listed in COM-001-0, Attachment 1, "NERCNet Security Policy".
COM-002-2	R1.	Each Transmission Operator, Balancing Authority, and Generator Operator shall have communications (voice and data links) with appropriate Reliability Coordinators, Balancing Authorities, and Transmission Operators. Such communications shall be staffed and available for addressing a real-time emergency condition.	N/A	The responsible entity did not have data links with appropriate Reliability Coordinators, Balancing Authorities, and Transmission Operators.	The responsible entity did not staff the communications (voice and data links) on a 24 hour basis.	The responsible entity failed to have communications (voice and data links) with appropriate Reliability Coordinators, Balancing Authorities, and Transmission Operators.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
COM-002-2	R1.1.	Each Balancing Authority and Transmission Operator shall notify its Reliability Coordinator, and all other potentially affected Balancing Authorities and Transmission Operators through predetermined communication paths of any condition that could threaten the reliability of its area or when firm load shedding is anticipated.	N/A	N/A	The responsible entity failed to notify all other potentially affected Balancing Authorities and Transmission Operators through predetermined communication paths of any condition that could threaten the reliability of its area or when firm load shedding is anticipated.	The responsible entity failed to notify its Reliability Coordinator, and all other potentially affected Balancing Authorities and Transmission Operators through predetermined communication paths of any condition that could threaten the reliability of its area or when firm load shedding is anticipated.
COM-002-2	R2.	Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall issue directives in a clear, concise, and definitive manner; shall ensure the recipient of the directive repeats the information back correctly; and shall acknowledge the response as correct or repeat the original statement to resolve any misunderstandings.	N/A	The responsible entity provided a clear directive in a clear, concise and definitive manner and required the recipient to repeat the directive, but did not acknowledge the recipient was correct in the repeated directive.	The responsible entity provided a clear directive in a clear, concise and definitive manner, but did not require the recipient to repeat the directive.	The responsible entity failed to provide a clear directive in a clear, concise and definitive manner when required.

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Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
VAR-001-1	R1.	Each Transmission Operator, individually and jointly with other Transmission Operators, shall ensure that formal policies and procedures are developed, maintained, and implemented for monitoring and controlling voltage levels and Mvar flows within their individual areas and with the areas of neighboring Transmission Operators.	The Transmission Operator has demonstrated that formal policies and procedures for monitoring and controlling voltage levels and Mvar flows have been developed, maintained, and implemented, but are missing minor details or minor program/procedural elements. Such deficiencies would not impact the achievement of the objective of the requirement.	The Transmission Operator has demonstrated that formal policies and procedures for monitoring and controlling voltage levels and Mvar flows have been developed, and implemented, but the maintenance of policies and procedures is deficient with respect to at least one significant element.	The Transmission Operator has demonstrated that formal policies and procedures for monitoring and controlling voltage levels and Mvar flows have been developed, and implemented, but the maintenance of policies and procedures is deficient with respect to at least one significant element, and the TO has failed to coordinate with one of its neighboring systems.	The Transmission Operator has demonstrated that formal policies and procedures for monitoring and controlling voltage levels and Mvar flows have been developed, and implemented, but has not maintained the policies and procedures, and the TO has failed to coordinate with its neighboring systems.
VAR-001-1	R2.	Each Transmission Operator shall acquire sufficient reactive resources within its area to protect the voltage levels under normal and Contingency conditions. This includes the Transmission Operator's share of the reactive requirements of interconnecting transmission circuits.	The Transmission Operator acquired 95% or more of the reactive resources within its area needed to protect the voltage levels under normal and Contingency conditions including the Transmission Operator's share of the reactive requirements of interconnecting transmission circuits.	The Transmission Operator acquired 90% or more of the reactive resources within its area needed to protect the voltage levels under normal and Contingency conditions including the Transmission Operator's share of the reactive requirements of interconnecting transmission circuits.	The Transmission Operator acquired 85% or more of the reactive resources within its area needed to protect the voltage levels under normal and Contingency conditions including the Transmission Operator's share of the reactive requirements of interconnecting transmission circuits.	The Transmission Operator acquired less than 85% of the reactive resources within its area needed to protect the voltage levels under normal and Contingency conditions including the Transmission Operator's share of the reactive requirements of interconnecting transmission circuits.

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VAR-001-1	R3.	The Transmission Operator shall specify criteria that exempts generators from compliance with the requirements defined in Requirement 4, and Requirement 6.1.	N/A	N/A	N/A	The Transmission Operator did not specify criteria that exempts generators from compliance with the requirements defined in Requirement 4, and Requirement 6.1. to all of the parties involved.
VAR-001-1	R3.1.	Each Transmission Operator shall maintain a list of generators in its area that are exempt from following a voltage or Reactive Power schedule.	The Transmission Operator maintain the list of generators in its area that are exempt from following a voltage or Reactive Power schedule but is missing one or more entities. The missing entities shall represent less than 25% of those eligible for the list	The Transmission Operator maintain the list of generators in its area that are exempt from following a voltage or Reactive Power schedule but is missing two or more entities. The missing entities shall represent less than 50% of those eligible for the list	The Transmission Operator maintain the list of generators in its area that are exempt from following a voltage or Reactive Power schedule but is missing three or more entities. The missing entities shall represent less than 75% of those eligible for the list	The Transmission Operator maintain the list of generators in its area that are exempt from following a voltage or Reactive Power schedule but is missing four or more entities. The missing entities shall represent 75% or more of those eligible for the list.
VAR-001-1	R3.2.	For each generator that is on this exemption list, the Transmission Operator shall notify the associated Generator Owner.	The Transmission Operator notified the associated Generator Owner of each generator that is on this exemption list except for one.	The Transmission Operator notified the associated Generator Owner of each generator that is on this exemption list except for two.	The Transmission Operator notified the associated Generator Owner of each generator that is on this exemption list except for three.	The Transmission Operator notified the associated Generator Owner of each generator that is on this exemption list except for four or more.

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VAR-001-1	R4.	Each Transmission Operator shall specify a voltage or Reactive Power schedule at the interconnection between the generator facility and the Transmission Owner's facilities to be maintained by each generator. The Transmission Operator shall provide the voltage or Reactive Power schedule to the associated Generator Operator and direct the Generator Operator to comply with the schedule in automatic voltage control mode (AVR in service and controlling voltage).	N/A	N/A	The Transmission Operator provide Voltage or Reactive Power schedules were for some but not all generating units as required in R4.	The Transmission Operator provide No evidence that voltage or Reactive Power schedules were provided to Generator Operators as required in R4.
VAR-001-1	R5.	Each Purchasing-Selling Entity shall arrange for (self-provide or purchase) reactive resources to satisfy its reactive requirements identified by its Transmission Service Provider.	The Purchasing-Selling Entity has arranged for all but 5% of the (self-provide or purchase) reactive resources to satisfy its reactive requirements identified by its Transmission Service Provider.	The Purchasing-Selling Entity has arranged for all but 10% of the (self-provide or purchase) reactive resources to satisfy its reactive requirements identified by its Transmission Service Provider.	The Purchasing-Selling Entity has arranged for all but 15% of the (self-provide or purchase) reactive resources to satisfy its reactive requirements identified by its Transmission Service Provider.	The Purchasing-Selling Entity has arranged for all but 20% of the (self-provide or purchase) reactive resources to satisfy its reactive requirements identified by its Transmission Service Provider.
VAR-001-1	R6.	The Transmission Operator shall know the status of all transmission Reactive Power resources, including the status of voltage regulators and power system stabilizers.	N/A	N/A	N/A	The Transmission Operator did not know the status of all transmission Reactive Power resources, including the status of voltage regulators and power system stabilizers.

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VAR-001-1	R6.1.	When notified of the loss of an automatic voltage regulator control, the Transmission Operator shall direct the Generator Operator to maintain or change either its voltage schedule or its Reactive Power schedule.	N/A	N/A	N/A	The Transmission Operator has not provided evidence to show that directives were issued to the Generator Operator to maintain or change either its voltage schedule or its Reactive Power schedule in accordance with R6.1.
VAR-001-1	R7.	The Transmission Operator shall be able to operate or direct the operation of devices necessary to regulate transmission voltage and reactive flow.	The Transmission Operator failed to operate or direct the operation of devices necessary to regulate transmission voltage and reactive flow less than 25% of the time..	The Transmission Operator failed to operate or direct the operation of devices necessary to regulate transmission voltage and reactive flow less than 50% of the time but more than or equal to 25% of the time.	The Transmission Operator failed to operate or direct the operation of devices necessary to regulate transmission voltage and reactive flow less than 75% of the time but more than or equal to 50% of the time.	The Transmission Operator failed to operate or direct the operation of devices necessary to regulate transmission voltage and reactive flow more than 75% of the time.

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VAR-001-1	R8.	Each Transmission Operator shall operate or direct the operation of capacitive and inductive reactive resources within its area – including reactive generation scheduling; transmission line and reactive resource switching; and, if necessary, load shedding – to maintain system and Interconnection voltages within established limits.	The Transmission Operator failed to operate or direct the operation of capacitive and inductive reactive resources within its area – including reactive generation scheduling; transmission line and reactive resource switching; and, if necessary, load shedding – to maintain system and Interconnection voltages within established limits less than 25% of the time.	The Transmission Operator failed to operate or direct the operation of capacitive and inductive reactive resources within its area – including reactive generation scheduling; transmission line and reactive resource switching; and, if necessary, load shedding – to maintain system and Interconnection voltages within established limits less than 50% of the time but more than or equal to 25% of the time.	The Transmission Operator failed to operate or direct the operation of capacitive and inductive reactive resources within its area – including reactive generation scheduling; transmission line and reactive resource switching; and, if necessary, load shedding – to maintain system and Interconnection voltages within established limits less than 75% of the time but more than or equal to 50% of the time.	The Transmission Operator failed to operate or direct the operation of capacitive and inductive reactive resources within its area – including reactive generation scheduling; transmission line and reactive resource switching; and, if necessary, load shedding – to maintain system and Interconnection voltages within established limits more than 75% of the time.
VAR-001-1	R9.	Each Transmission Operator shall maintain reactive resources to support its voltage under first Contingency conditions.	The Transmission Operator maintains 95% or more of the reactive resources needed to support its voltage under first Contingency conditions.	The Transmission Operator maintains 85% or more but less than 95% of the reactive resources needed to support its voltage under first Contingency conditions.	The Transmission Operator maintains 75% or more but less than 85% of the reactive resources needed to support its voltage under first Contingency conditions.	The Transmission Operator maintains less than 75% of the reactive resources needed to support its voltage under first Contingency conditions.

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VAR-001-1	R9.1.	Each Transmission Operator shall disperse and locate the reactive resources so that the resources can be applied effectively and quickly when Contingencies occur.	The Transmission Operator has dispersed and located 95% or more of the reactive resources so that the resources can be applied effectively and quickly when Contingencies occur.	The Transmission Operator has dispersed and located 85% or more but less than 95% of the reactive resources so that the resources can be applied effectively and quickly when Contingencies occur.	The Transmission Operator has dispersed and located 75% or more but less than 85% of the reactive resources so that the resources can be applied effectively and quickly when Contingencies occur.	The Transmission Operator has dispersed and located less than 75% of the reactive resources so that the resources can be applied effectively and quickly when Contingencies occur.
VAR-001-1	R10.	Each Transmission Operator shall correct IROL or SOL violations resulting from reactive resource deficiencies (IROL violations must be corrected within 30 minutes) and complete the required IROL or SOL violation reporting.	The Transmission Operator corrected the IROL or SOL violations resulting from reactive resource deficiencies and completed the required IROL or SOL violation reporting within the specified time as specified in R10 for 95% or more of the occurrences.	The Transmission Operator corrected the IROL or SOL violations resulting from reactive resource deficiencies and completed the required IROL or SOL violation reporting within the specified time as specified in R10 for 90% or more but less than 95% of the occurrences.	The Transmission Operator corrected the IROL or SOL violations resulting from reactive resource deficiencies and completed the required IROL or SOL violation reporting within the specified time as specified in R10 for 85% or more but less than 90% of the occurrences.	The Transmission Operator corrected the IROL or SOL violations resulting from reactive resource deficiencies and completed the required IROL or SOL violation reporting within the specified time as specified in R10 for less than 85% of the occurrences.
VAR-001-1	R11.	After consultation with the Generator Owner regarding necessary step-up transformer tap changes, the Transmission Operator shall provide documentation to the Generator Owner specifying the required tap changes, a timeframe for making the changes, and technical justification for these changes.	The Transmission Operator provided documentation to the Generator Owner specifying required step-up transformer tap changes and a timeframe for making these changes, but failed to provide technical justification for these changes.	The Transmission Operator provided documentation to the Generator Owner specifying required step-up transformer tap changes, but failed to provide a timeframe for making these changes and technical justification for these changes.	The Transmission Operator failed to provide documentation to the Generator Owner specifying required step-up transformer tap changes, a timeframe for making these changes, and technical justification for these changes.	N/A

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VAR-001-1	R12.	The Transmission Operator shall direct corrective action, including load reduction, necessary to prevent voltage collapse when reactive resources are insufficient.	N/A	N/A	N/A	The Transmission Operator has failed to direct corrective action, including load reduction, necessary to prevent voltage collapse when reactive resources are insufficient.
VAR-002-1	R1.	The Generator Operator shall operate each generator connected to the interconnected transmission system in the automatic voltage control mode (automatic voltage regulator in service and controlling voltage) unless the Generator Operator has notified the Transmission Operator..	The Generator Operator had one incident of failing to notify the Transmission Operator as identified in R1.	The Generator Operator had more than one but less than five incidents of failing to notify the Transmission as identified in R1.	The Generator Operator had more than five but less than ten incidents of failing to notify the Transmission Operator as identified in R1.	The Generator Operator had ten or more incidents of failing to notify the Transmission Operator as identified in R1.
VAR-002-1	R2.	Unless exempted by the Transmission Operator, each Generator Operator shall maintain the generator voltage or Reactive Power output (within applicable Facility Ratings. [1] as directed by the Transmission Operator	The Generator Operator had one incident of failing to maintain a voltage or reactive power schedule (R2).	The Generator Operator had more than one but less than five incidents of failing to maintain a voltage or reactive power schedule (R2).	The Generator Operator had more than five but less than ten incidents of failing to maintain a voltage or reactive power schedule (R2).	The Generator Operator had ten or more incidents of failing to maintain a voltage or reactive power schedule (R2).

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VAR-002-1	R2.1.	When a generator's automatic voltage regulator is out of service, the Generator Operator shall use an alternative method to control the generator voltage and reactive output to meet the voltage or Reactive Power schedule directed by the Transmission Operator.	The Generator Operator had one incident of failing use alternate means to maintain a voltage or reactive power schedule as directed (when a generator's automatic voltage regulator was out of service).	The Generator Operator had more than one but less than five incidents of failing use alternate means to maintain a voltage or reactive power schedule as directed (when a generator's automatic voltage regulator was out of service).	The Generator Operator had more than five but less than ten incidents of failing use alternate means to maintain a voltage or reactive power schedule as directed (when a generator's automatic voltage regulator was out of service).	The Generator Operator had ten or more incidents of failing use alternate means to maintain a voltage or reactive power schedule as directed (when a generator's automatic voltage regulator was out of service).
VAR-002-1	R2.2.	When directed to modify voltage, the Generator Operator shall comply or provide an explanation of why the schedule cannot be met.	The Generator Operator failed to comply with required voltage modifications or provide an explanation of why the modifications could not be met less the 25% of the time.	The Generator Operator failed to comply with required voltage modifications or provide an explanation of why the modifications could not be met less than 50% of the time but more than or equal to 25% of the time.	The Generator Operator failed to comply with required voltage modifications or provide an explanation of why the modifications could not be met less than 75% of the time but more than or equal to 50% of the time.	The Generator Operator failed to comply with required voltage modifications or provide an explanation of why the modifications could not be met more than 75% of the time.
VAR-002-1	R3.	Each Generator Operator shall notify its associated Transmission Operator as soon as practical, but within 30 minutes of any of the following:	The Generator Operator had one incident of failing to notify the Transmission Operator as identified in R3.	The Generator Operator had more than one but less than five incidents of failing to notify the Transmission as identified in R1.	The Generator Operator had more than five but less than ten incidents of failing to notify the Transmission Operator as identified in R1.	The Generator Operator had ten or more incidents of failing to notify the Transmission Operator as identified in R1.

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VAR-002-1	R3.1.	A status or capability change on any generator Reactive Power resource, including the status of each automatic voltage regulator and power system stabilizer and the expected duration of the change in status or capability.	The Generator Operator failed to notify the Transmission Operator of a status or capability change on any generator Reactive Power resource, including the status of each automatic voltage regulator and power system stabilizer and the expected duration of the change in status or capability.	N/A	N/A	N/A
VAR-002-1	R3.2.	A status or capability change on any other Reactive Power resources under the Generator Operator's control and the expected duration of the change in status or capability.	The Generator Operator failed to notify the Transmission Operator of a status or capability change on any other Reactive Power resources under the Generator Operator's control and the expected duration of the change in status or capability..	N/A	N/A	N/A

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VAR-002-1	R4.	The Generator Owner shall provide the following to its associated Transmission Operator and Transmission Planner within 30 calendar days of a request.	The Generator Owner had one (1) incident of failing to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for information, as described in R4.1.1 through R4.1.4, regarding generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	The Generator Owner had more than one (1) incident but less than five (5) incidents of failing to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for information, as described in R4.1.1 through R4.1.4, regarding generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	The Generator Owner had more than five (5) incidents but less than ten (10) incidents of failing to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for information, as described in R4.1.1 through R4.1.4, regarding generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	The Generator Owner had more than ten (10) incidents of failing to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for information, as described in R4.1.1 through R4.1.4, regarding generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.

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VAR-002-1	R4.1.	For generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage:	The Generator Owner failed to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for information, as described in R4.1.1 through R4.1.4, regarding generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	N/A	N/A	N/A
VAR-002-1	R4.1.1.	Tap settings.	The Generator Owner failed to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for tap settings on generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	N/A	N/A	N/A

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VAR-002-1	R4.1.2.	Available fixed tap ranges.	The Generator Owner failed to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for available fixed tap ranges on generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	N/A	N/A	N/A
VAR-002-1	R4.1.3.	Impedance data.	The Generator Owner failed to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for impedance data on generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	N/A	N/A	N/A

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VAR-002-1	R4.1.4.	The +/- voltage range with step-change in % for load-tap changing transformers.	The Generator Owner failed to notify its associated Transmission Operator and Transmission Planner within 30 calendar days of a request for the +/- voltage range with tap change in percent (%) for load-tap changing transformers on generator step-up transformers and auxiliary transformers with primary voltages equal to or greater than the generator terminal voltage.	N/A	N/A	N/A

Violation Severity Levels for Requirements in Critical Infrastructure, Communications and Voltage and Reactive Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
VAR-002-1	R5.	After consultation with the Transmission Operator regarding necessary step-up transformer tap changes, the Generator Owner shall ensure that transformer tap positions are changed according to the specifications provided by the Transmission Operator, unless such action would violate safety, an equipment rating, a regulatory requirement, or a statutory requirement.	The Generator Owner had one (1) incident of failing to change the step-up transformer tap settings in accordance with the specifications provided by the Transmission Operator when said actions would not have violated safety, an equipment rating, a regulatory requirement, or a statutory requirement.	The Generator Owner had more than one (1) incident but less than or equal to five (5) incidents of failing to change the step-up transformer tap settings in accordance with the specifications provided by the Transmission Operator when said actions would not have violated safety, an equipment rating, a regulatory requirement, or a statutory requirement.	The Generator Owner had more than five (5) incident but less than or equal to ten (10) incidents of failing to change the step-up transformer tap settings in accordance with the specifications provided by the Transmission Operator when said actions would not have violated safety, an equipment rating, a regulatory requirement, or a statutory requirement.	The Generator Owner had more than ten (10) incidents of failing to change the step-up transformer tap settings in accordance with the specifications provided by the Transmission Operator when said actions would not have violated safety, an equipment rating, a regulatory requirement, or a statutory requirement.
VAR-002-1	R5.1.	If the Generator Operator can't comply with the Transmission Operator's specifications, the Generator Operator shall notify the Transmission Operator and shall provide the technical justification.	The Generator Operator had one (1) incident of failing to notify and provide technical justification to the Transmission Operator concerning non-compliance with Transmission Operator's specifications.	The Generator Operator had more than one (1) incident but less than or equal to five (5) incidents of failing to notify and provide technical justification to the Transmission Operator concerning non-compliance with Transmission Operator's specifications.	The Generator Operator had more than five (5) incident but less than or equal to ten (10) incidents of failing to notify and provide technical justification to the Transmission Operator concerning non-compliance with Transmission Operator's specifications.	The Generator Operator had more than ten (10) incidents of failing to notify and provide technical justification to the Transmission Operator concerning non-compliance with Transmission Operator's specifications.

Violation Severity Levels for Requirements in Critical Infrastructure, Communications and Voltage and Reactive Standards

Standard Number	Requirement Number	Text of Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
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