

Standard Number	Requirement	Text of Requirement ¹	Lower VSL	Moderate VSL	High VSL	Severe VSL
BAL-003-0.1b	R1	<p>Each Balancing Authority shall review its Frequency Bias Settings by January 1 of each year and recalculate its setting to reflect any change in the Frequency Response of the Balancing Authority Area.</p> <p>--</p> <p>R1.1: The Balancing Authority may change its Frequency Bias Setting, and the method used to determine the setting, whenever any of the factors used to determine the current bias value change.</p> <p>R1.2: Each Balancing Authority shall report its Frequency Bias Setting, and method for determining that setting, to the NERC Operating Committee.</p>	N/A The Balancing Authority failed to report the method for determining its Frequency Bias Setting to the NERC Operating Committee. (R1.2)	N/A The Balancing Authority failed to report its Frequency Bias Setting to the NERC Operating Committee. (R1.2)	The Balancing Authority reviewed failed to report its Frequency Bias Settings prior January 1, but failed to recalculate its setting to reflect any change and the method for determining that Frequency Response of Bias Setting to the Balancing Authority Area. NERC Operating Committee. (R1.2)	The Balancing Authority failed to review its Frequency Bias Settings prior to January 1 of each year and failed to recalculate its setting to reflect any change in the Frequency Response of the Balancing Authority Area.
COM-001-1.1	R2	Each Reliability Coordinator, Transmission	N/A	The responsible entity has failed to manage, alarm, and test and/or	The responsible entity has failed to manage, alarm, and test and/or	The responsible entity has failed to manage, alarm, and test,

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¹ In some cases, sub-requirement language has also been included. In those cases, the VSLs listed still apply to the requirement itself, and the text of the sub-requirement is included merely for reference.

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		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.		actively monitor its emergency telecommunications facilities- <u>and equipment not used for routine communications.</u>	actively monitor its <u>primaryvital</u> telecommunications facilities.	<u>and/or</u> actively monitor its <u>primaryvital</u> and emergency telecommunications facilities- <u>and equipment not used for routine communications.</u>
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 <u>iswas</u> anticipated.	The responsible entity failed to notify its Reliability Coordinator, <u>and all other potentially affected Balancing Authorities and Transmission Operators</u> through predetermined communication paths of any condition that could threaten the reliability of its area or when firm load shedding <u>iswas</u> anticipated.
FAC-003-1	R1.2.2.1	Where transmission system transient overvoltage factors	<u>Not Applicable,N/A</u>	<u>Not Applicable,N/A</u>	<u>Not Applicable,N/A</u>	Where transmission system transient overvoltage factors

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		are not known, clearances shall be derived from Table 5, IEEE 516-2003, phase-to-ground distances, with appropriate altitude correction factors applied.				are were not known, clearances were not derived from Table 5, IEEE 516-2003, phase-to- phase voltages ground distances, with appropriate altitude correction factors applied.
IRO-004-1	R1	Each Reliability Coordinator shall conduct next-day reliability analyses for its Reliability Coordinator Area to ensure that the Bulk Electric System can be operated reliably in anticipated normal and Contingency event conditions. The Reliability Coordinator shall conduct Contingency analysis studies to identify potential interface and other SOL and IROL violations, including overloaded transmission lines and transformers, voltage and stability limits, etc.	The Reliability Coordinator failed to conduct next-day reliability analyses or contingency analysis for its Reliability Coordinator Area for one (1) day during a calendar month.N/A	The Reliability Coordinator failed to conduct next-day reliability analyses or contingency analysis for its Reliability Coordinator Area for two (2) to three (3) days during a calendar month.N/A	The Reliability Coordinator failed to conduct next-day reliability analyses or contingency analysis for its Reliability Coordinator Area for four (4) to five (5) days during a calendar month.N/A	The Reliability Coordinator failed to conduct next-day reliability analyses <u>to ensure that the Bulk Electric System can be operated reliably in anticipated normal and Contingency event conditions</u> or contingency analysis studies <u>to identify potential interface and other SOL and IROL violations, including overloaded transmission lines and transformers, voltage and stability limits, etc.</u> for its Reliability Coordinator Area for more than five (5) days during a calendar month.

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IRO-004-1	R3	Each Reliability Coordinator shall, in conjunction with its Transmission Operators and Balancing Authorities, develop action plans that may be required, including reconfiguration of the transmission system, re-dispatching of generation, reduction or curtailment of Interchange Transactions, or reducing load to return transmission loading to within acceptable SOLs or IROLs.	The Reliability Coordinator, in conjunction with its Transmission Operators and Balancing Authorities, failed to develop action plans that may be required, including reconfiguration of the transmission system, re-dispatching of generation, reduction or curtailment of Interchange Transactions, or reducing load to return transmission loading to within acceptable SOLs or IROLs for one (1) day during a calendar month. N/A	The Reliability Coordinator, in conjunction with its Transmission Operators and Balancing Authorities, failed to develop action plans that may be required, including reconfiguration of the transmission system, re-dispatching of generation, reduction or curtailment of Interchange Transactions, or reducing load to return transmission loading to within acceptable SOLs or IROLs for two (2) to three (3) days during a calendar month. N/A	The Reliability Coordinator, in conjunction with its Transmission Operators and Balancing Authorities, failed to develop action plans that may be required, including reconfiguration of the transmission system, re-dispatching of generation, reduction or curtailment of Interchange Transactions, or reducing load to return transmission loading to within acceptable SOLs or IROLs for four (4) to five (5) days during a calendar month. N/A	The Reliability Coordinator, in conjunction with its Transmission Operators and Balancing Authorities, failed to develop action plans that may <u>behave been</u> required, including reconfiguration of the transmission system, re-dispatching of generation, reduction or curtailment of Interchange Transactions, or reducing load to return transmission loading to within acceptable SOLs or IROLs <u>for more than five (5) days during a calendar month.</u>
IRO-004-1	R4	Each Transmission Operator, Balancing Authority, Transmission Owner, Generator Owner, Generator Operator, and Load-Serving Entity in the Reliability Coordinator Area shall provide information	The responsible entity in the Reliability Coordinator Area provided the information required for system studies, such as critical facility status, Load, generation, operating reserve projections, and	The responsible entity in the Reliability Coordinator Area provided the information required for system studies, such as critical facility status, Load, generation, operating reserve projections, and known Interchange	The responsible entity in the Reliability Coordinator Area provided the information required for system studies, such as critical facility status, Load, generation, operating reserve projections, and known Interchange	The responsible entity in the Reliability Coordinator Area provided the information required for system studies, such as critical facility status, Load, generation, operating reserve projections, and known Interchange

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		required for system studies, such as critical facility status, Load, generation, operating reserve projections, and known Interchange Transactions. This information shall be available by 1200 Central Standard Time for the Eastern Interconnection and 1200 Pacific Standard Time for the Western Interconnection.	known Interchange Transactions, but said information was provided after the required time as stated in IRO-004-1 R4 for one (1) day during a calendar month. (but not more than one hour after the required time).	Transactions, but said information was provided <u>more than one hour</u> after the required time as stated in IRO-004-1 R4 for (but not more than two (2) to three (3) days during a calendar month. hours after the required time).	Transactions, but said information was provided <u>more than two hours</u> after the required time as stated in IRO-004-1 R4 for four (4) to five (5) days during a calendar month. (but not more than three hours after the required time).	Transactions, but said information was provided <u>more than three hours</u> after the required time as stated in IRO-004-1 R4 for more than five (5) days during a calendar month. <u>OR</u> <u>The responsible entity in the Reliability Coordinator Area did not provide the information required for system studies, such as critical facility status, Load, generation, operating reserve projections, and known Interchange Transactions.</u>
IRO-004-1	R5	Each Reliability Coordinator shall share the results of its system studies, when conditions warrant or upon request, with other Reliability Coordinators and with Transmission Operators, Balancing	The Reliability Coordinator failed to share shared the results of its system studies, when conditions warranted or was when they were requested, with other Reliability	The Reliability Coordinator failed to share shared the results of its system studies, when conditions warranted or was when they were requested, with other Reliability Coordinators and with Transmission Operators, Balancing	The Reliability Coordinator failed to share shared the results of its system studies, when conditions warranted or was when they were requested, with other Reliability Coordinators and with Transmission Operators, Balancing	The Reliability Coordinator failed to share shared the results of its system studies, when conditions warranted or was when they were requested, with other Reliability Coordinators and with Transmission Operators, Balancing

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		<p>Authorities, and Transmission Service Providers within its Reliability Coordinator Area. The Reliability Coordinator shall make study results available no later than 1500 Central Standard Time for the Eastern Interconnection and 1500 Pacific Standard Time for the Western Interconnection, unless circumstances warrant otherwise.</p>	<p>Coordinators and with Transmission Operators, Balancing Authorities, and Transmission Service Providers within its Reliability Coordinator Area for one (1) day during a calendar month, but said results were provided after the required time (but not more than one hour after the required time),</p>	<p>Authorities, and Transmission Service Providers within its Reliability Coordinator Area for two (2) to three (3) days during a calendar month, but said information was provided more than one hour after the required time (but not more than two hours after the required time).</p>	<p>Authorities, and Transmission Service Providers within its Reliability Coordinator Area for four (4) to five (5) days during a calendar month, but said information was provided more than two hours after the required time (but not more than three hours after the required time).</p>	<p>Authorities, and Transmission Service Providers within its Reliability Coordinator Area for more than five (5) days during a calendar month, but said information was provided more than three hours after the required time.</p> <p><u>OR</u></p> <p><u>The Reliability Coordinator failed to share the results of its system studies, when conditions warranted or when they were requested, with other Reliability Coordinators, Transmission Operators, Balancing Authorities, or Transmission Service Providers within its Reliability Coordinator Area.</u></p>
IRO-006-4.1	R3	Each Reliability Coordinator with a relief obligation from an Interconnection-wide procedure	N/A	N/A	N/A	A Reliability Coordinator implemented <u>a</u> local transmission loading relief or congestion

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		shall follow the curtailments as directed by the Interconnection-wide procedure. A Reliability Coordinator desiring to use a local procedure as a substitute for curtailments as directed by the Interconnection-wide procedure shall obtain prior approval of the local procedure from the ERO.				management procedures <u>procedure</u> as a substitute for curtailment as directed by the Interconnection-wide procedure, but the local procedure had not received prior approval from the ERO. <u>OR</u> <u>A Reliability Coordinator with a relief obligation from an Interconnection-wide procedure did not follow the curtailments as directed by the Interconnection-wide procedure and did not use a substitute procedure previously approved by the ERO.</u>
PRC-001-1	R1	Each Transmission Operator, Balancing Authority, and Generator Operator shall be familiar with the purpose and limitations of protection system schemes applied in its area.	N/A	N/A	The responsible entity was familiar with the purpose of protection system schemes applied in its area but failed to be familiar with the limitations of protection system	The responsible entity failed to be familiar with the purpose and limitations of protection system schemes applied in its area.

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					schemes applied in its area.	
PRC-001-1	R3.1	Each Generator Operator shall coordinate all new protective systems and all protective system changes with its Transmission Operator and Host Balancing Authority.	The Generator Operator failed to coordinate one new protective system or one protective system change with either its Transmission Operator or its Host Balancing Authority or both.	The Generator Operator failed to coordinate two new protective systems or two protective system changes with either its Transmission Operator or its Host Balancing Authority, or both.	The Generator Operator failed to coordinate three new protective systems or three protective system changes with either its Transmission Operator or its Host Balancing Authority, or both.	The Generator Operator failed to coordinate more than three new protective systems or more than three protective system changes with its Transmission Operator and/or its Host Balancing Authority, or both .
PRC-001-1	R3.2	Each Transmission Operator shall coordinate all new protective systems and all protective system changes with neighboring Transmission Operators and Balancing Authorities.	The Transmission Operator failed to coordinate one new protective system or one protective system change with either its neighboring Transmission Operator Operators or its Host Balancing Authority Authorities or both.	The Transmission Operator failed to coordinate protection two new protective systems on major transmission lines and interconnections or protective system changes with two of its neighboring Generator Operators, Transmission Operators, or Balancing Authorities or both.	The Transmission Operator failed to coordinate protection three new protective systems on major transmission lines and interconnections or protective system changes with three of its neighboring Generator Operators, Transmission Operators, or Balancing Authorities or both.	The Transmission Operator failed to coordinate protection more than three new protective systems on major transmission lines and interconnections or protective system changes with three or more of its neighboring Generator Operators, Transmission Operators, and or Balancing Authorities or both.
PRC-005-1	R1	Each Transmission Owner and any Distribution Provider that owns a transmission Protection System	N/A	N/A The responsible entity had a Protection System maintenance and testing program for Protection Systems that affect the	The responsible entity, that owned a transmission Protection System or Generator Owner that owned a generation	The responsible entity, that owned a transmission Protection System or Generator Owner that owned a generation

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		<p>and each Generator Owner that owns a generation Protection System shall have a Protection System maintenance and testing program for Protection Systems that affect the reliability of the BES. The program shall include:</p> <p>--</p> <p>R1.1: Maintenance and testing intervals and their basis.</p> <p>R1.2: Summary of maintenance and testing procedures.</p>		<p><u>reliability of the BES, but the summary of maintenance and testing procedures was missing or incomplete. (R1.2)</u></p>	<p>Protection System failed to have either had a Protection System maintenance program or a Protection System and testing program for Protection Systems that affect the reliability of the BES; <u>but the maintenance and testing intervals and their basis was missing or incomplete. (R1.1)</u></p>	<p>Protection System failed to have a Protection System maintenance program and a Protection System and testing program for Protection Systems that affect the reliability of the BES.</p>
PRC-010-0	R1	<p>The Load-Serving Entity, Transmission Owner, Transmission Operator, and Distribution Provider that owns or operates a UVLS program shall periodically (at least every five years or as required by changes in system conditions) conduct and document an</p>	<p>The responsible entity conducted an assessment of the effectiveness of its UVLS system within 5 years or as required by changes in system conditions but did not include the associated Transmission Planner(s) and Planning Authority(ies).</p>	<p>The responsible entity did not conduct an assessment of the effectiveness of its UVLS system for more than 5 years but did in less than or equal to 76 years.</p> <p><u>OR</u></p> <p><u>The assessment of the effectiveness of the responsible entity's</u></p>	<p>The responsible entity did not conduct an assessment of the effectiveness of its UVLS system for more than 76 years but did in less than or equal to 40 years7 years.</p> <p><u>OR</u></p> <p><u>The assessment of the effectiveness of the</u></p>	<p>The responsible entity did not conduct an assessment of the effectiveness of its UVLS system for more than 47 years.</p> <p><u>OR</u></p> <p><u>The assessment of the effectiveness of the responsible entity's UVLS system did not address any of the</u></p>

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		<p>assessment of the effectiveness of the UVLS program. This assessment shall be conducted with the associated Transmission Planner(s) and Planning Authority(ies).</p> <p>--</p> <p>R1.1: This assessment shall include, but is not limited to:</p> <p>R1.1.1: Coordination of the UVLS programs with other protection and control systems in the Region and with other Regional Reliability Organizations, as appropriate.</p> <p>R1.1.2: Simulations that demonstrate that the UVLS programs performance is consistent with Reliability Standards TPL-001-0, TPL-002-0, TPL-003-0 and TPL-004-0.</p> <p>R1.1.3: A review of the voltage set points and timing.</p>		<p><u>UVLS system did not address one of the elements in R1 (R1.1.1 through R1.1.3).</u></p>	<p><u>responsible entity's UVLS system did not address two of the elements in R1 (R1.1.1 through R1.1.3).</u></p>	<p><u>elements in R1 (R1.1.1 through R1.1.3).</u></p>

