

Proposed Violation Severity Levels for the IRO Series of Standards:

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Standard Number IRO-001-1 Reliability Coordination — Responsibilities and Authorities				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	N/A	N/A	The responsible entity did not establish one or more Reliability Coordinators for a portion of its reliability region of responsibility.	The responsible entity did not establish one or more Reliability Coordinators for any of its reliability region of responsibility.
R2.	N/A	N/A	N/A	The Reliability Coordinator does not have a regional reliability plan approved by the NERC OC.
R3.	N/A	N/A	The Reliability Coordinator cannot demonstrate that it has clear authority to act or direct actions to preserve transmission security and reliability of the Bulk Electric System.	The Reliability Coordinator failed to take or direct to preserve the reliability and security of the Bulk Electric System within 30 minutes of identifying those actions.
R4.	5% or less of the tasks are not documented in the agreement. OR 5% or less of the tasks are not performed according to the agreement.	More than 5% up to (and including) 10% of the tasks are not documented in the agreement. OR More than 5% up to (and including) 10% of the tasks are not performed according to the agreement.	More than 10% up to (and including) 15% of the tasks are not documented in the agreement. OR More than 10% up to (and including) 15% of the tasks are not performed according to the agreement.	There is no formal operating agreement for tasks delegated by the Reliability Coordinator. OR More than 15% of the tasks are not documented in the agreement. OR

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Standard Number IRO-001-1 Reliability Coordination — Responsibilities and Authorities				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
				More than 15% of the tasks are not performed according to the agreement.
R5.	5% or less of the delegate entities are not identified in the reliability plan.	More than 5% up to (and including) 10% of the delegate entities are not identified in the reliability plan.	More than 10% up to (and including) 15% of the delegate entities are not identified in the reliability plan.	There is no reliability plan. OR More than 15% of the delegate entities are not identified in the reliability plan.
R6.	The Reliability Coordinator failed to demonstrate that 5% or less of its delegated tasks were being performed by NERC certified Reliability Coordinator operating personnel.	The Reliability Coordinator failed to demonstrate that more than 5% up to (and including) 10% of its delegated tasks were being performed by NERC certified Reliability Coordinator operating personnel.	The Reliability Coordinator failed to demonstrate that more than 10% up to (and including) 15% of its delegated tasks were being performed by NERC certified Reliability Coordinator operating personnel.	The Reliability Coordinator failed to demonstrate that more than 15% of its delegated tasks were being performed by NERC certified Reliability Coordinator operating personnel.
R7.	The Reliability Coordinator has demonstrated the existence of coordination agreements with adjacent Reliability Coordinators but the agreements are not clear or comprehensive.	The Reliability Coordinator has demonstrated the existence of coordination agreements with adjacent Reliability Coordinators but the agreements do not coordinate actions required in the adjacent Reliability Coordinator Area to	The Reliability Coordinator has demonstrated the existence of coordination agreements with adjacent Reliability Coordinators but the agreements do not coordinate actions required in the adjacent Reliability Coordinator Area to	The Reliability Coordinator has failed to demonstrate the existence of any coordination agreements with adjacent Reliability Coordinators.

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Standard Number IRO-001-1 Reliability Coordination — Responsibilities and Authorities				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
		mitigate SOL or IROL violations in its own Reliability Coordinator area.	mitigate SOL and IROL violations in its own Reliability Coordinator area.	
R8.	N/A	The responsible entity could not comply with a directive due to qualified reasons (violation of safety, equipment or regulatory or statutory requirements) and did not immediately inform the Reliability Coordinator.	N/A	The responsible entity did not follow the Reliability Coordinator’s directive.
R9.	N/A	N/A	N/A	The Reliability Coordinator did not act in the interests of reliability for the overall Reliability Coordinator Area and the Interconnection before the interests of one or more other entities.

Standard Number IRO-002-1 Reliability Coordination — Facilities				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	The Reliability Coordinator demonstrated that it has adequate voice communication facilities and staff but is deficient by 5% or less of its needed data links for at least one of the appropriate entities within its Reliability Coordinator Area.	The Reliability Coordinator demonstrated that it has adequate voice communication facilities and staff but is deficient with more than 5% up to (and including) 10% of its needed data links for at least one of the appropriate entities within its Reliability Coordinator Area.	The Reliability Coordinator demonstrated that it has adequate voice communication facilities and staff but is deficient for more than 10% up to (and including) 15% of its needed data links for at least one of the appropriate entities within its Reliability Coordinator Area.	<p>The Reliability Coordinator demonstrated that it has adequate voice communication facilities and staff but is deficient for more than 15% of its needed data links for at least one of the appropriate entities with which it interfaces.</p> <p>OR</p> <p>The Reliability Coordinator demonstrated that it has adequate voice and data communications facilities with all appropriate entities within its Reliability Coordinator Area but failed to have sufficient staff to address a real-time emergency event.</p> <p>OR</p> <p>The Reliability Coordinator failed to demonstrate it has adequate voice communications facilities with appropriate entities within its Reliability Coordinator Area.</p>

Standard Number IRO-002-1 Reliability Coordination — Facilities				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R2.	The Reliability Coordinator failed to demonstrate that it determined and requested the data requirements needed to support its reliability coordination tasks from One of the applicable entities with which it interfaces.	The Reliability Coordinator failed to demonstrate that it determined and requested the data requirements needed to support its reliability coordination tasks from Two of the applicable entities with which it interfaces.	The Reliability Coordinator failed to demonstrate that it determined and requested the data requirements needed to support its reliability coordination tasks from Three of the applicable entities with which it interfaces.	The Reliability Coordinator failed to demonstrate that it determined and requested the data requirements needed to support its reliability coordination tasks from Four or more of the applicable entities with which it interfaces.
R3.	The responsible entity failed to demonstrate it provided or arranged provision for the exchange of data with 5% or less of the other Reliability Coordinators or Transmission Operators and Balancing Authorities.	The responsible entity failed to demonstrate it provided or arranged provision for the exchange of data with more than 5% up to (and including) 10% of the other Reliability Coordinators or Transmission Operators and Balancing Authorities.	The responsible entity failed to demonstrate it provided or arranged provision for the exchange of data with more than 10% up to (and including) 15% of the other Reliability Coordinators or Transmission Operators and Balancing Authorities.	The responsible entity failed to demonstrate it provided or arranged provision for the exchange of data with more than 15% of the other Reliability Coordinators or Transmission Operators and Balancing Authorities.
R4.	The Reliability Coordinator has failed to demonstrate multi-directional communication capabilities to 5% or less of the applicable entities with which it interfaces.	The Reliability Coordinator has failed to demonstrate multi-directional communication capabilities to more than 5% up to (and including) 10% of the applicable entities with which it interfaces.	The Reliability Coordinator has failed to demonstrate multi-directional communication capabilities to more than 10% up to (and including) 15% of the applicable entities with which it interfaces.	The Reliability Coordinator has failed to demonstrate multi-directional communication capabilities to with more than 15% of the applicable entities with which it interfaces.

Standard Number IRO-002-1 Reliability Coordination — Facilities				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R5.	The Reliability Coordinator's SOL/IROL monitoring systems provide information in a way that is not easily understood and interpreted by the Reliability Coordinator's operating personnel.	The Reliability Coordinator's SOL/IROL monitoring systems did not give particular emphasis to One of the following: <ul style="list-style-type: none"> - alarm management and awareness systems - automated data transfers - synchronized information systems 	The Reliability Coordinator's SOL/IROL monitoring systems did not give particular emphasis to Two of the following: <ul style="list-style-type: none"> - alarm management and awareness systems - automated data transfers - synchronized information systems 	The Reliability Coordinator's SOL/IROL monitoring systems did not give particular emphasis to any of the following: <ul style="list-style-type: none"> - alarm management and awareness systems - automated data transfers - synchronized information systems. OR The Reliability Coordinator's SOL/IROL monitoring systems were not implemented over a highly reliable redundant infrastructure.
R6.	N/A	N/A	The Reliability Coordinator monitored BES elements (generators, transmission lines, buses, transformers, breakers, etc.) but failed to monitor the status, real power flow, reactive power flow or operating reserves for a BES facility that is associated with a potential SOL/IROL.	The Reliability Coordinator failed to monitor the BES elements.

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R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R7.	N/A	N/A	N/A	<p>The Reliability Coordinator failed to demonstrate that it has adequate analysis tools such as:</p> <ul style="list-style-type: none"> • State estimation • Pre-contingency analysis capability (thermal, stability, and voltage); • Post-contingency analysis capability (thermal, stability, and voltage), • Wide-area overview displays.
R8.	N/A	<p>The Reliability Coordinator demonstrated provisions for back-up facilities, but it failed to continuously monitor SOL/IROL conditions when the main monitoring system was unavailable.</p>	N/A	<p>The Reliability Coordinator failed to demonstrate provisions for back-up facilities</p> <p>AND</p> <p>The Reliability Coordinator failed to continuously monitor SOL/IROL conditions when the main monitoring system was unavailable.</p>

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Standard Number IRO-002-1 Reliability Coordination — Facilities				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R9.	N/A	The Reliability Coordinator has approval rights for planned maintenance outages of its analysis tools, but there is no procedure to mitigate the effects of these outages.	N/A	Reliability Coordinator approval was not obtained for planned maintenance of its analysis tools.

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Standard Number IRO-003-2 Reliability Coordination — Wide-Area View				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	N/A	N/A	<p>The Reliability Coordinator failed to demonstrate it monitored the applicable facilities within its own Reliability Coordinator Area.</p> <p>OR</p> <p>The Reliability Coordinator failed to demonstrate it monitored the applicable facilities within adjacent Reliability Coordinator Area(s)</p>	<p>The Reliability Coordinator failed to demonstrate it monitored the applicable facilities within its own Reliability Coordinator Area.</p> <p>AND</p> <p>The Reliability Coordinator failed to demonstrate it monitored the applicable facilities within adjacent Reliability Coordinator Area(s)</p>
R2.	N/A	N/A	<p>The Reliability Coordinator failed to know either the current status of all critical facilities whose failure, degradation or disconnection could result in an SOL or IROL violation or the status of any facilities that may be required to assist area restoration objectives.</p>	<p>The Reliability Coordinator failed to know the current status of all critical facilities whose failure, degradation or disconnection could result in an SOL or IROL violation and the status of any facilities that may be required to assist area restoration objectives.</p>

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Standard Number IRO-004-1 Reliability Coordination — Operations Planning				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	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.	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.	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.	The Reliability Coordinator failed to conduct next-day reliability analyses or contingency analysis for its Reliability Coordinator Area for more than five (5) days during a calendar month.
R2.	N/A	N/A	N/A	The Reliability Coordinator failed to monitor parallel flows to ensure one Reliability Coordinator Area did not place an unacceptable or undue Burden on an adjacent Reliability Coordinator Area.
R3.	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.	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.	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.	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 more than five (5) days during a calendar month.

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Standard Number IRO-004-1 Reliability Coordination — Operations Planning				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R4.	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 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.	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 Transactions, but said information was provided after the required time as stated in IRO-004-1 R4 for two (2) to three (3) days during a calendar month.	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 Transactions, but said information was provided after the required time as stated in IRO-004-1 R4 for four (4) to five (5) days during a calendar month.	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 Transactions, but said information was provided after the required time as stated in IRO-004-1 R4 for more than five (5) days during a calendar month.
R5.	The Reliability Coordinator failed to share the results of its system studies, when conditions warranted or was requested, with other Reliability Coordinators and with Transmission Operators, Balancing Authorities, and Transmission Service Providers within its Reliability Coordinator Area for one (1) day during a calendar month.	The Reliability Coordinator failed to share the results of its system studies, when conditions warranted or was requested, with other Reliability Coordinators and with Transmission Operators, Balancing Authorities, and Transmission Service Providers within its Reliability Coordinator Area for two (2) to three (3) days during a calendar month.	The Reliability Coordinator failed to share the results of its system studies, when conditions warranted or was requested, with other Reliability Coordinators and with Transmission Operators, Balancing Authorities, and Transmission Service Providers within its Reliability Coordinator Area for four (4) to five (5) days during a calendar month.	The Reliability Coordinator failed to share the results of its system studies, when conditions warranted or was requested, with other Reliability Coordinators and with Transmission Operators, Balancing Authorities, and Transmission Service Providers within its Reliability Coordinator Area for more than five (5) days during a calendar month.
R6.	N/A	N/A	N/A	The Reliability Coordinator failed to direct action to address a potential SOL or IROL violation when the

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Standard Number IRO-004-1 Reliability Coordination — Operations Planning				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
				results of its studies indicated a potential SOL or IROL violation.
R7.	N/A	N/A	N/A	The responsible entity failed to comply with the directive from its Reliability Coordinator based on the next day assessments in the same manner in which it would comply during real time operating events.

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Standard Number IRO-005-1 Reliability Coordination — Current Day Operations				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	The Reliability Coordinator failed to monitor one (1) of the elements listed in IRO-005-1 R1.1 through R1.10.	The Reliability Coordinator failed to monitor two (2) of the elements listed in IRO-005-1 R1.1 through R1.10.	The Reliability Coordinator failed to monitor three (3) of the elements listed in IRO-005-1 R1.1 through R1.10.	The Reliability Coordinator failed to monitor more than three (3) of the elements listed in IRO-005-1 R1.1 through R1.10.
R2.	N/A	N/A	The Reliability Coordinator was aware of all Interchange Transactions that wheeled through, sourced, or sunked in its Reliability Coordinator Area, but failed to make that Interchange Transaction information available to all Reliability Coordinators in the Interconnection.	The Reliability Coordinator failed to be aware of all Interchange Transactions that wheeled through, sourced, or sunked in its Reliability Coordinator Area, and failed to make that Interchange Transaction information available to all Reliability Coordinators in the Interconnection.
R3.	N/A	The Reliability Coordinator worked with its Transmission Operators and Balancing Authorities, as portions of the transmission system approached or exceeded SOLs or IROLs, to evaluate and assess any additional Interchange Schedules that would violate those limits and initiated control actions or emergency procedures to relieve the violation within 30 minutes, but failed to ensure	The Reliability Coordinator worked with its Transmission Operators and Balancing Authorities, as portions of the transmission system approached or exceeded SOLs or IROLs, to evaluate and assess any additional Interchange Schedules that would violate those limits and ensured all resources, including load shedding, were available to address a potential or actual IROL violation, but	The Reliability Coordinator failed to work with its Transmission Operators and Balancing Authorities, as portions of the transmission system approached or exceeded SOLs or IROLs, to evaluate and assess any additional Interchange Schedules that would violate those limits and failed to initiate control actions or emergency procedures to relieve the violation within 30

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Standard Number IRO-005-1 Reliability Coordination — Current Day Operations				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
		all resources, including load shedding, were available to address a potential or actual IROL violation.	failed to initiate control actions or emergency procedures to relieve the violation within 30 minutes.	minutes.
R4.	N/A	The Reliability Coordinator failed to direct the Balancing Authorities in the Reliability Coordinator Area to arrange for assistance from neighboring Balancing Authorities.	The Reliability Coordinator failed to issue Energy Emergency Alerts as needed and at the request of its Balancing Authorities and Load-Serving Entities.	The Reliability Coordinator failed to monitor its Balancing Authorities' parameters to ensure that the required amount of operating reserves was provided and available as required to meet the Control Performance Standard and Disturbance Control Standard requirements.
R5.	N/A	N/A	The Reliability Coordinator identified the cause of a potential or actual SOL or IROL violation, but failed to initiate a control action or emergency procedure to relieve the potential or actual IROL violation within 30 minutes.	The Reliability Coordinator failed to identify the cause of a potential or actual SOL or IROL violation and failed to initiate a control action or emergency procedure to relieve the potential or actual IROL violation.
R6.	N/A	N/A	The Reliability Coordinator ensured its Transmission Operators and Balancing Authorities were aware of Geo-Magnetic Disturbance (GMD) forecast information, but failed to assist, when	The Reliability Coordinator failed to ensure its Transmission Operators and Balancing Authorities were aware of Geo-Magnetic Disturbance (GMD) forecast information.

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Standard Number IRO-005-1 Reliability Coordination — Current Day Operations				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
			needed, in the development of any required response plans.	
R7.	N/A	N/A	N/A	The Reliability Coordinator failed to disseminate information within its Reliability Coordinator Area, when required.
R8.	N/A	N/A	The Reliability Coordinator monitored system frequency and its Balancing Authorities' performance but failed to direct any necessary rebalancing to return to CPS and DCS compliance.	The Reliability Coordinator failed to monitor system frequency and its Balancing Authorities' performance and direct any necessary rebalancing to return to CPS and DCS compliance. OR The responsible entity failed to utilize all resources, including firm load shedding, as directed by its Reliability Coordinator to relieve the emergent condition.
R9.	N/A	The Reliability Coordinator coordinated with Transmission Operators, Balancing Authorities, and Generator Operators, as needed, to develop action plans to mitigate potential or actual	The Reliability Coordinator failed to coordinate with Transmission Operators, Balancing Authorities, and Generator Operators as needed to develop and implement action plans to mitigate	The Reliability Coordinator failed to coordinate with Transmission Operators, Balancing Authorities, and Generator Operators as needed to develop and implement action plans to mitigate

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Standard Number IRO-005-1 Reliability Coordination — Current Day Operations				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
		<p>SOL, IROL, CPS, or DCS violations but failed to implement said plans.</p> <p>OR</p> <p>The Reliability Coordinator coordinated pending generation and transmission maintenance outages with Transmission Operators, Balancing Authorities, and Generator Operators as needed in the real-time reliability analysis timeframe but failed to coordinate pending generation and transmission maintenance outages in the next-day reliability analysis timeframe.</p>	<p>potential or actual SOL, IROL, CPS, or DCS violations.</p> <p>OR</p> <p>The Reliability Coordinator failed to coordinate pending generation and transmission maintenance outages with Transmission Operators, Balancing Authorities, and Generator Operators as needed in both the real-time and next-day reliability analysis timeframes.</p>	<p>potential or actual SOL, IROL, CPS, or DCS violations.</p> <p>AND</p> <p>The Reliability Coordinator failed to coordinate pending generation and transmission maintenance outages with Transmission Operators, Balancing Authorities, and Generator Operators as needed in both the real-time and next-day reliability analysis timeframes.</p>
R10.	N/A	N/A	N/A	The Reliability Coordinator failed to assist the Balancing Authorities in its Reliability Coordinator Area in arranging for assistance from neighboring Reliability Coordinator Areas or Balancing Authorities, when necessary.

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Standard Number IRO-005-1 Reliability Coordination — Current Day Operations				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R11.	N/A	The Reliability Coordinator identified sources of large Area Control Errors that were contributing to Frequency Error, Time Error, or Inadvertent Interchange and discussed corrective actions with the appropriate Balancing Authority but failed to direct the Balancing Authority to comply with CPS and DCS.	The Reliability Coordinator identified sources of large Area Control Errors that were contributing to Frequency Error, Time Error, or Inadvertent Interchange but failed to discuss corrective actions with the appropriate Balancing Authority.	The Reliability Coordinator failed to identify sources of large Area Control Errors that were contributing to Frequency Error, Time Error, or Inadvertent Interchange.
R12.	N/A	N/A	N/A	<p>The Reliability Coordinator failed to be aware of the impact on inter-area flows of an inter-Balancing Authority or inter-Transmission Operator, following the operation of a Special Protection System that was armed (e.g., could potentially affect transmission flows resulting in a SOL or IROL violation).</p> <p>OR</p> <p>The Transmission Operator failed to immediately inform the Reliability Coordinator of the status of the Special</p>

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R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
				Protection System including any degradation or potential failure to operate as expected.
R13.	N/A	N/A	N/A	<p>The Reliability Coordinator failed to ensure that all Transmission Operators, Balancing Authorities, Generator Operators, Transmission Service Providers, Load-Serving Entities, and Purchasing-Selling Entities operated to prevent the likelihood that a disturbance, action, or non-action in its Reliability Coordinator Area could result in a SOL or IROL violation in another area of the Interconnection.</p> <p>OR</p> <p>The responsible entity failed to operate the Bulk Electric System to the most limiting parameter in instances where there was a difference in derived limits.</p>

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R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R14.	N/A	N/A	N/A	<p>The Reliability Coordinator failed to make known to Transmission Service Providers within its Reliability Coordinator Area, SOLs or IROLs within its wide-area view.</p> <p>OR</p> <p>The Transmission Service Providers failed to respect these SOLs or IROLs in accordance with filed tariffs and regional Total Transfer Calculation and Available Transfer Calculation processes.</p>
R15.	N/A	The Reliability Coordinator failed to notify all impacted Transmission Operators and Balancing Authorities, when the transmission problem had been mitigated.	N/A	The Reliability Coordinator who foresaw a transmission problem (such as an SOL or IROL violation, loss of reactive reserves, etc.) within its Reliability Coordinator Area failed to issue an alert to all impacted Transmission Operators and Balancing Authorities in its Reliability Coordinator Area.

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R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
				<p>OR</p> <p>The receiving Reliability Coordinator failed to disseminate this information to its impacted Transmission Operators and Balancing Authorities.</p>
R16.	N/A	N/A	<p>The Reliability Coordinator confirmed the reliability assessment results and determined the effects within its own and adjacent Reliability Coordinator Areas and discussed options to mitigate potential or actual SOL or IROL violations, but failed to take actions as necessary to always act in the best interests of the Interconnection at all times.</p>	<p>The Reliability Coordinator failed to confirm reliability assessment results and determine the effects within its own and adjacent Reliability Coordinator Areas.</p> <p>OR</p> <p>The Reliability Coordinator failed to discuss options to mitigate potential or actual SOL or IROL violations and take actions as necessary to always act in the best interests of the Interconnection at all times.</p>
R17.	N/A	N/A	N/A	<p>The Reliability Coordinator either failed to evaluate the local and wide-area impacts of</p>

Standard Number IRO-005-1 Reliability Coordination — Current Day Operations				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
				<p>an IROL or SOL that was exceeded, in either real-time or post-contingency.</p> <p>OR</p> <p>The Reliability Coordinator evaluated the local and wide-area impacts of an IROL or SOL that was exceeded, both real-time and post-contingency, and determined that the actions being taken were not appropriate and sufficient to return the system to within IROL in thirty (30) minutes, but failed to direct the Transmission Operator, Balancing Authority, Generator Operator, or Load-Serving Entity to return the system to within IROL or SOL.</p>

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Standard Number IRO-006-3 Reliability Coordination — Transmission Loading Relief				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	N/A	N/A	N/A	The Reliability Coordinator failed to take appropriate actions in accordance with established policies, procedures, authority, and expectations to relieve transmission loading.
R2.	N/A	N/A	N/A	The Reliability Coordinator experiencing a potential or actual SOL or IROL violation within its Reliability Coordinator Area failed to select from either a “local” (Regional, Interregional, or subregional) transmission loading relief procedure or an Interconnection-wide procedure.
R3.	N/A	N/A	N/A	The Reliability Coordinator used a local transmission loading relief or congestion management procedure when the Transmission Operator experiencing the potential or actual SOL or IROL violation was not a party to said procedure.
R4.			A Reliability Coordinator used a local procedure as a substitute for curtailments as	A Reliability Coordinator implemented a local transmission loading relief or

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Standard Number IRO-006-3 Reliability Coordination — Transmission Loading Relief				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
			directed by an Interconnection-wide procedure without having said procedure approved for use by the NERC Operating Committee.	congestion management procedure simultaneously with an Interconnection-wide procedure failed to follow the curtailments as directed by the Interconnection-wide procedure.
R5.	N/A	N/A	N/A	The Reliability Coordinator failed to comply with the provisions of an Interconnection-wide procedure when the procedure was implemented.
R6.	The responsible entity failed to comply with 5% or less of the requirements in INT-001 through INT-004 during the implementation of the relief procedures up to the point that emergency action was necessary.	The responsible entity failed to comply with more than 5% up to (and including) 10% of the requirements in INT-001 through INT-004 during the implementation of the relief procedures up to the point that emergency action was necessary.	The responsible entity failed to comply with more than 10% up to (and including) 15% of the requirements in INT-001 through INT-004 during the implementation of the relief procedures up to the point that emergency action was necessary.	The responsible entity failed to comply with more than 15% of the requirements in INT-001 through INT-004 during the implementation of the relief procedures up to the point that emergency action was necessary.

Proposed Violation Severity Levels for the IRO Series of Standards

Standard Number IRO-014-1 Procedures, Processes, or Plans to Support Coordination Between Reliability Coordinators				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	N/A	N/A	The Reliability Coordinator has Operating Procedures, Processes, or Plans in place for activities that require notification, exchange of information or coordination of actions with one or more other Reliability Coordinators to support Interconnection reliability, but failed to address Scenarios that affect other Reliability Coordinator Areas.	The Reliability Coordinator failed to have Operating Procedures, Processes, or Plans in place for activities that require notification, exchange of information or coordination of actions with one or more other Reliability Coordinators to support Interconnection reliability.
R1.1.	N/A	The Reliability Coordinator failed to include one of the elements listed in IRO-014-1 R1.1.1 through R1.1.6 in its Operating Procedures, Processes, or Plans.	The Reliability Coordinator failed to include two of the elements listed in IRO-014-1 R1.1.1 through R1.1.6 in its Operating Procedures, Processes, or Plans.	The Reliability Coordinator failed to include more than two of the elements listed in IRO-014-1 R1.1.1 through R1.1.6 in its Operating Procedures, Processes, or Plans.
R2.	The Reliability Coordinator's Operating Procedure, Process, or Plan was not agreed to by all the Reliability Coordinators required to take the indicated action(s). (R2.1) OR The Reliability Coordinator's	N/A	N/A	The Reliability Coordinator's Operating Procedure, Process, or Plan failed to comply with either IRO-014-1 R2.1 or R2.2.

Standard Number IRO-014-1 Procedures, Processes, or Plans to Support Coordination Between Reliability Coordinators				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
	Operating Procedure, Process, or Plan was not distributed to all Reliability Coordinators that are required to take the indicated action(s). (R2.2)			
R3.	<p>The Reliability Coordinator’s Operating Procedure, Process, or Plan failed to reference the associated Reliability Coordinator-to-Reliability Coordinator Operating Procedure, Process, or Plan. (R3.1)</p> <p>OR</p> <p>The Reliability Coordinator’s Operating Procedure, Process, or Plan failed to include the agreed-upon actions from the associated Reliability Coordinator-to-Reliability Coordinator Operating Procedure, Process, or Plan. (R3.2)</p>	N/A	N/A	The Reliability Coordinator’s Operating Procedure, Process, or Plan failed to comply with either IRO-014-1 R3.1 or R3.2.
R4.	N/A	The Operating Procedures, Processes and Plans did not include one of the elements listed in IRO-014-1 R4.1	The Operating Procedures, Processes and Plans did not include two of the elements listed in IRO-014-1 R4.1	The Operating Procedures, Processes and Plans did not include any of the elements listed in IRO-014-1 R4.1

Proposed Violation Severity Levels for the IRO Series of Standards

Standard Number IRO-014-1 Procedures, Processes, or Plans to Support Coordination Between Reliability Coordinators				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
		through R4.3.	through R4.3.	through R4.3.

Standard Number IRO-015-1 Notifications and Information Exchange Between Reliability Coordinators				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	<p>The Reliability Coordinator failed to notify 5% or less of the other Reliability Coordinators of conditions in its Reliability Coordinator Area that may impact them as per R1.1.</p> <p>OR</p> <p>The Reliability Coordinator failed to follow its Operating Procedures, Processes, or Plans for making notifications and exchanging reliability-related information with other Reliability Coordinators.</p>	<p>The Reliability Coordinator failed to notify more than 5% up to (and including) 10% of the other Reliability Coordinators of conditions in its Reliability Coordinator Area that may impact them as per R1.1.</p>	<p>The Reliability Coordinator failed to notify more than 10% up to (and including) 15% or less of the other Reliability Coordinators of conditions in its Reliability Coordinator Area that may impact them as per R1.1.</p>	<p>The Reliability Coordinator failed to notify more than 15% of the other Reliability Coordinators of conditions in its Reliability Coordinator Area that may impact them as per R1.1.</p>
R2.	<p>The Reliability Coordinator failed to participate in 5% or less of agreed upon conference calls and other communication forums with adjacent Reliability Coordinators as per R2.1.</p>	<p>The Reliability Coordinator failed to participate in more than 5% up to (and including) 10% of agreed upon conference calls and other communication forums with adjacent Reliability Coordinators as per R2.1.</p>	<p>The Reliability Coordinator failed to participate in more than 10% up to (and including) 15% of agreed upon conference calls and other communication forums with adjacent Reliability Coordinators as per R2.1.</p>	<p>The Reliability Coordinator failed to participate in more than 15% of agreed upon conference calls and other communication forums with adjacent Reliability Coordinators as per R2.1.</p>
R3.				<p>The Reliability Coordinator failed to provide reliability-related information as requested by other Reliability Coordinators.</p>

Proposed Violation Severity Levels for the IRO Series of Standards

Standard Number IRO-016-1 Coordination of Real-time Activities Between Reliability Coordinators				
R#	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	The Reliability Coordinator failed to contact other Reliability Coordinators to confirm that there was a problem when it identified a potential or expected problem that required the actions of those other Reliability Coordinators as per R1.1 through R1.3.	The Reliability Coordinator failed to discuss options and decide upon a solution to prevent or resolve the identified expected or potential problem when it contacted other Reliability Coordinators to confirm that there was a problem when it identified a potential or expected problem that required the actions of those other Reliability Coordinators as per R1.1 through R1.3.	The Reliability Coordinator failed to contact other Reliability Coordinators to confirm that there was a problem when it identified an actual problem that required the actions of those other Reliability Coordinators as per R1.1 through R1.3.	The Reliability Coordinator failed to discuss options and decide upon a solution to prevent or resolve the identified actual problem when it contacted other Reliability Coordinators to confirm that there was a problem when it identified a potential or expected problem that required the actions of those other Reliability Coordinators as per R1.1 through R1.3.
R2.	N/A	N/A	The Reliability Coordinator failed to document (via operator logs or other data sources) its actions taken for the event or for the disagreement on the problem(s).	The Reliability Coordinator failed to document (via operator logs or other data sources) its actions taken for the event and for the disagreement on the problem(s).