

Standard Authorization Request Form

Title of Proposed Standard: EOP Violation Severity Levels revisions	
Request Date	March 26, 2008

SAR Requester Information	SAR Type (Check a box for each one that applies.)	
Name Alfred Calafiore	<input type="checkbox"/>	New Standard
Primary Contact Al Calafiore	<input checked="" type="checkbox"/>	Revision to existing Standards
Telephone 678- 524- 1188	<input type="checkbox"/>	Withdrawal of existing Standard
E-mail al.calafiore@nerc.net	<input type="checkbox"/>	Urgent Action

Purpose (Describe what the standard action will achieve in support of bulk power system reliability.)

The Federal Energy Regulatory Commission (FERC) in its Order on Compliance Filing dated June 7, 2007, directed NERC to replace the "Levels of Non-compliance" with "Violation Severity Levels" (VSLs) in the 83 previously approved reliability standards by March 1, 2008. Project 2007-23 Violation Severity Levels was initiated to respond to FERC's directive.

The VSLs for all 83 "regulatory approved" standards plus the VSLs for NUC-001 (a total of 84 standards) were developed and balloted in conjunction with Project 2007-23 Violation Severity Levels using nine separate ballots. The ballot for the VSLs for the 8 Emergency Preparedness and Operations (EOP) reliability standards shown below failed to meet the required two-thirds majority of the weighted segment votes cast in the affirmative. As a result, the NERC Board of Trustees directed the Standards Committee to take the necessary steps needed to expedite the development of a revised group of EOP VSLs for filing with FERC.

- EOP-001-0 Emergency Operations Planning
- EOP-002-1 Capacity and Energy Emergencies
- EOP-003-1 Load Shedding Plans
- EOP-004-1 Disturbance Reporting
- EOP-005-1 System Restoration Plans
- EOP-006-1 Reliability Coordination - System Restoration
- EOP-008-0 Plans for Loss of Control Center Functionality
- EOP-009-0 Documentation of Blackstart Generating Unit Test Results

This SAR proposes to revise the VSLs for the 8 EOP reliability standards that failed to meet the required two-thirds majority of the weighted segment votes cast in the affirmative. The revised VSLs will be re-submitted to the industry for approval and, once approved, will be filed with the appropriate regulatory authorities as directed by the board.

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Industry Need (Provide a justification for the development or revision of the standard, including an assessment of the reliability and market interface impacts of implementing or not implementing the standard action.)

VSLs define the degree to which compliance with a requirement or sub-requirement was not achieved. As set forth in the NERC Sanction Guidelines, VSLs are considered in conjunction with Violation Risk Factors to determine the base penalty range for a violation of a reliability standard requirement or sub-requirement. Revising the VSLs for the 8 EOP standards in question will enable the ERO's Sanctions Guidelines to be used as designed for these standards.

Brief Description (Provide a paragraph that describes the scope of this standard action.)

Revise the VSLs for the eight EOP standards that were not approved in the balloting process for Project 2007-23 in support of stakeholder comments submitted during the balloting process.

Detailed Description (Provide a description of the proposed project with sufficient details for the standard drafting team to execute the SAR.)

Revise the VSLs for the eight EOP standards that were not approved in the balloting process for Project 2007-23. The industry comments received during the balloting of these standards during Project 2007-23 were considered when revising the VSLs for the eight EOP standards. NERC staff has reviewed the comments received during the balloting of the EOP standards during Project 2007-23 and proposes the VSLs in **Attachment 1** for the eight EOP standards in question.

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Reliability Functions

The Standard will Apply to the Following Functions <i>(Check box for each one that applies.)</i>		
X	Regional Reliability Organization	Conducts the regional activities related to planning and operations, and coordinates activities of Responsible Entities to secure the reliability of the Bulk Electric System within the region and adjacent regions.
X	Reliability Coordinator	Responsible for the real-time operating reliability of its Reliability Coordinator Area in coordination with its neighboring Reliability Coordinator's wide area view.
X	Balancing Authority	Integrates resource plans ahead of time, and maintains load-interchange-resource balance within a Balancing Authority Area and supports Interconnection frequency in real time.
<input type="checkbox"/>	Interchange Authority	Ensures communication of interchange transactions for reliability evaluation purposes and coordinates implementation of valid and balanced interchange schedules between Balancing Authority Areas.
<input type="checkbox"/>	Planning Coordinator	Assesses the longer-term reliability of its Planning Coordinator Area.
<input type="checkbox"/>	Resource Planner	Develops a >one year plan for the resource adequacy of its specific loads within a Planning Coordinator area.
<input type="checkbox"/>	Transmission Planner	Develops a >one year plan for the reliability of the interconnected Bulk Electric System within its portion of the Planning Coordinator area.
<input type="checkbox"/>	Transmission Service Provider	Administers the transmission tariff and provides transmission services under applicable transmission service agreements (e.g., the pro forma tariff).
<input type="checkbox"/>	Transmission Owner	Owns and maintains transmission facilities.
X	Transmission Operator	Ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area.
<input type="checkbox"/>	Distribution Provider	Delivers electrical energy to the End-use customer.
X	Generator Owner	Owns and maintains generation facilities.
X	Generator Operator	Operates generation unit(s) to provide real and reactive power.
<input type="checkbox"/>	Purchasing-Selling Entity	Purchases or sells energy, capacity, and necessary reliability-related services as required.
<input type="checkbox"/>	Market Operator	Interface point for reliability functions with commercial functions.
X	Load-Serving Entity	Secures energy and transmission service (and reliability-related services) to serve the End-use Customer.

Reliability and Market Interface Principles

Applicable Reliability Principles	
X	1. Interconnected bulk power systems shall be planned and operated in a coordinated manner to perform reliably under normal and abnormal conditions as defined in the NERC Standards.
<input type="checkbox"/>	2. The frequency and voltage of interconnected bulk power systems shall be controlled within defined limits through the balancing of real and reactive power supply and demand.
<input type="checkbox"/>	3. Information necessary for the planning and operation of interconnected bulk power systems shall be made available to those entities responsible for planning and operating the systems reliably.
X	4. Plans for emergency operation and system restoration of interconnected bulk power systems shall be developed, coordinated, maintained and implemented.
x	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.
<input type="checkbox"/>	6. Personnel responsible for planning and operating interconnected bulk power systems shall be trained, qualified, and have the responsibility and authority to implement actions.
X	7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis.
<input type="checkbox"/>	8. Bulk power systems shall be protected from malicious physical or cyber attacks.
Does the proposed Standard comply with all of the following Market Interface Principles? (Select 'yes' or 'no' from the drop-down box.)	
1. A reliability standard shall not give any market participant an unfair competitive advantage. Yes	
2. A reliability standard shall neither mandate nor prohibit any specific market structure. Yes	
3. A reliability standard shall not preclude market solutions to achieving compliance with that standard. Yes	
4. A reliability standard shall not require the public disclosure of commercially sensitive information. All market participants shall have equal opportunity to access commercially non-sensitive information that is required for compliance with reliability standards. Yes	

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Related Standards

Standard No.	Explanation
EOP-001-0	Emergency Operations Planning
EOP-002-1	Capacity and Energy Emergencies
EOP-003-1	Load Shedding Plans
EOP-004-1	Disturbance Reporting
EOP-005-1	System Restoration Plans
EOP-006-1	Reliability Coordination - System Restoration
EOP-008-0	Plans for Loss of Control Center Functionality
EOP-009-0	Documentation of Blackstart Generating Unit Test Results

Related SARs

SAR ID	Explanation
N/A	N/A

Regional Variances

Region	Explanation
ERCOT	

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FRCC	
MRO	
NPCC	
SERC	
RFC	
SPP	
WECC	

Proposed VSLs for the Eight EOP Standards

EOP-001-0 – Emergency Operations Planning					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	Balancing Authorities shall have operating agreements with adjacent Balancing Authorities that shall, at a minimum, contain provisions for emergency assistance, including provisions to obtain emergency assistance from remote Balancing Authorities.	The Balancing Authority demonstrated the existence of operating agreements containing provisions for emergency assistance between the Balancing Authority itself and less than 100% but more than 75% of its adjacent Balancing Authorities.	The Balancing Authority demonstrated the existence of operating agreements containing provisions for emergency assistance between the Balancing Authority itself and less than or equal to 75% but more than 50% of its adjacent Balancing Authorities.	The Balancing Authority demonstrated the existence of operating agreements containing provisions for emergency assistance between the Balancing Authority itself and less than or equal to 50% but more than 25% of its adjacent Balancing Authorities.	The Balancing Authority demonstrated the existence of operating agreements containing provisions for emergency assistance between the Balancing Authority itself and for less than or equal to 25% of its adjacent Balancing Authorities.
R2.	The Transmission Operator shall have an emergency load reduction plan for all identified IROLs. The plan shall include the details on how the Transmission Operator will implement load reduction in sufficient amount and time to mitigate the IROL violation before system separation or collapse would occur. The load reduction plan must be capable of being implemented within 30 minutes.	N/A	N/A	The Transmission Operator demonstrated the existence of an emergency load reduction plan for each identified IROL but at least one of the plans will take longer than 30 minutes to implement.	The Transmission Operator failed to demonstrate the existence of an emergency load reduction plan for all identified IROLs.
R3.	Each Transmission Operator and Balancing Authority shall:	N/A	N/A	N/A	N/A

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EOP-001-0 – Emergency Operations Planning					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R3.1.	Develop, maintain, and implement a set of plans to mitigate operating emergencies for insufficient generating capacity.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans to mitigate operating emergencies for insufficient generating capacity but the plans are missing one or more program/procedural elements.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans to mitigate operating emergencies for insufficient generating capacity and the plans are implemented but the plans are not maintained.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans to mitigate operating emergencies for insufficient generating capacity but the plans are not maintained nor implemented.	The Transmission Operator or Balancing Authority failed to demonstrate the existence of a set of plans to mitigate operating emergencies for insufficient generating capacity.
R3.2.	Develop, maintain, and implement a set of plans to mitigate operating emergencies on the transmission system.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans to mitigate operating emergencies on the transmission system but the plans are missing one or more program/procedural elements.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans to mitigate operating emergencies on the transmission system and the plans are implemented but the plans are not maintained.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans to mitigate operating emergencies on the transmission system but the plans are not maintained nor implemented.	The Transmission Operator or Balancing Authority failed to demonstrate the existence of a set of plans to mitigate operating emergencies on the transmission system.
R3.3.	Develop, maintain, and implement a set of plans for load shedding.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans for load shedding but the plans are missing one or more program/procedural elements.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans for load shedding and the plans are implemented but the plans are not maintained.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans for load shedding but the plans are not maintained nor implemented.	The Transmission Operator or Balancing Authority failed to demonstrate the existence of a set of plans for load shedding.

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EOP-001-0 – Emergency Operations Planning					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R3.4.	Develop, maintain, and implement a set of plans for system restoration.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans for system restoration but the plans are missing one or more program/procedural elements.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans for system restoration and the plans are implemented but the plans are not maintained.	The Transmission Operator or Balancing Authority demonstrated the existence of a set of plans for system restoration but the plans are not maintained nor implemented.	The Transmission Operator or Balancing Authority failed to demonstrate the existence of a set of plans for system restoration.
R4.	Each Transmission Operator and Balancing Authority shall have emergency plans that will enable it to mitigate operating emergencies. At a minimum, Transmission Operator and Balancing Authority emergency plans shall include:	N/A	The Transmission Operator or Balancing Authority demonstrated the existence of emergency plans that will enable it to mitigate operating emergencies but the plans are missing two (2) of the sub-requirements identified for R4.	The Transmission Operator or Balancing Authority demonstrated the existence of emergency plans that will enable it to mitigate operating emergencies but the plans are missing three (3) or four (4) of the sub-requirements identified for R4.	The Transmission Operator or Balancing Authority failed to demonstrate the existence of emergency plans that will enable it to mitigate operating emergencies.
R4.1.	Communications protocols to be used during emergencies.	The Transmission Operator or Balancing Authority demonstrated the existence of emergency plans that will enable it to mitigate operating emergencies but the plans are missing the communications protocols to be used during emergencies.	N/A	N/A	N/A

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EOP-001-0 – Emergency Operations Planning					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R4.2.	A list of controlling actions to resolve the emergency. Load reduction, in sufficient quantity to resolve the emergency within NERC-established timelines, shall be one of the controlling actions.	The Transmission Operator or Balancing Authority demonstrated the existence of emergency plans that will enable it to mitigate operating emergencies but the plans are missing a list of controlling actions to resolve the emergency.	N/A	N/A	N/A
R4.3.	The tasks to be coordinated with and among adjacent Transmission Operators and Balancing Authorities.	The Transmission Operator or Balancing Authority demonstrated the existence of emergency plans that will enable it to mitigate operating emergencies but the plans are missing a list the tasks to be coordinated with and among adjacent Transmission Operators and Balancing Authorities.	N/A	N/A	N/A
R4.4.	Staffing levels for the emergency.	The Transmission Operator or Balancing Authority demonstrated the existence of emergency plans that will enable it to mitigate operating emergencies but the plans are missing the staffing levels for the emergency.	N/A	N/A	N/A

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EOP-001-0 – Emergency Operations Planning					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R5.	Each Transmission Operator and Balancing Authority shall include the applicable elements in Attachment 1-EOP-001-0 when developing an emergency plan.	The Transmission Operator or Balancing Authority included less than 100% but more than 90% of the applicable elements in Attachment 1-EOP-001-0 in its emergency plan.	The Transmission Operator or Balancing Authority included less than or equal to 90% but more than 70% of the applicable elements in Attachment 1-EOP-001-0 in its emergency plan.	The Transmission Operator or Balancing Authority included less than or equal to 70% but more than 50% of the applicable elements in Attachment 1-EOP-001-0 in its emergency plan.	The Transmission Operator or Balancing Authority included less than or equal to 50% of the applicable elements in Attachment 1-EOP-001-0 in its emergency plan.
R6.	The Transmission Operator and Balancing Authority shall annually review and update each emergency plan. The Transmission Operator and Balancing Authority shall provide a copy of its updated emergency plans to its Reliability Coordinator and to neighboring Transmission Operators and Balancing Authorities.	N/A	N/A	N/A	<p>The Transmission Operator or Balancing Authority failed to provide evidence that it reviewed, and updated as appropriate, each of its emergency plans at least once in the past thirteen calendar months.</p> <p>OR</p> <p>The Transmission Operator or Balancing Authority failed to provide a copy of an updated emergency plan to its Reliability Coordinator, all its neighboring Transmission Operators, and all its neighboring Balancing Authorities.</p>

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EOP-001-0 – Emergency Operations Planning					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R7.	The Transmission Operator and Balancing Authority shall coordinate its emergency plans with other Transmission Operators and Balancing Authorities as appropriate. This coordination includes the following steps, as applicable:	N/A	The Transmission Operator or Balancing Authority demonstrated that it coordinated its emergency plans with other Transmission Operators and Balancing Authorities as appropriate but the but the coordination did not include two (2) of the appropriate sub-requirements identified for R7.	The Transmission Operator or Balancing Authority demonstrated that it coordinated its emergency plans with other Transmission Operators and Balancing Authorities as appropriate but the but the coordination did not include three (3) or four (4) of the appropriate sub-requirements identified for R7.	The Transmission Operator or Balancing Authority failed to demonstrate that it coordinated its emergency plans with other Transmission Operators and Balancing Authorities as appropriate.
R7.1.	The Transmission Operator and Balancing Authority shall establish and maintain reliable communications between interconnected systems.	The Transmission Operator or Balancing Authority did not establish and maintain reliable communications between interconnected systems as appropriate for the purpose of coordinating emergency plans.	N/A	N/A	N/A
R7.2.	The Transmission Operator and Balancing Authority shall arrange new interchange agreements to provide for emergency capacity or energy transfers if existing agreements cannot be used.	The Transmission Operator or Balancing Authority did not arrange for new interchange agreements as appropriate for the purpose of coordinating emergency plans.	N/A	N/A	N/A

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EOP-001-0 – Emergency Operations Planning					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R7.3.	The Transmission Operator and Balancing Authority shall coordinate transmission and generator maintenance schedules to maximize capacity or conserve the fuel in short supply. (This includes water for hydro generators.)	The Transmission Operator or Balancing Authority did not coordinate transmission and generator maintenance schedules as appropriate for the purpose of coordinating emergency plans.	N/A	N/A	N/A
R7.4.	The Transmission Operator and Balancing Authority shall arrange deliveries of electrical energy or fuel from remote systems through normal operating channels.	The Transmission Operator or Balancing Authority did not arrange deliveries of electrical energy or fuel from remote systems as appropriate for the purpose of coordinating emergency plans.	N/A	N/A	N/A

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	Each Balancing Authority and Reliability Coordinator shall have the responsibility and clear decision-making authority to take whatever actions are needed to ensure the reliability of its respective area and shall exercise specific authority to alleviate capacity and energy emergencies.	N/A	N/A	N/A	<p>The Balancing Authority or Reliability Coordinator failed to provide evidence that it has responsibility and clear decision-making authority to take whatever actions are needed to ensure the reliability of its respective area.</p> <p>OR</p> <p>The Balancing Authority or Reliability Coordinator did not exercise its authority to alleviate capacity and energy emergencies.</p>
R2.	Each Balancing Authority shall implement its capacity and energy emergency plan, when required and as appropriate, to reduce risks to the interconnected system.	N/A	N/A	N/A	<p>The Balancing Authority failed to provide evidence that it implemented its capacity and energy emergency plan, when required and as appropriate, to reduce risks to the interconnected system.</p>

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R3.	A Balancing Authority that is experiencing an operating capacity or energy emergency shall communicate its current and future system conditions to its Reliability Coordinator and neighboring Balancing Authorities.	N/A	N/A	The Balancing Authority communicated its current and future system conditions to its Reliability Coordinator but failed to provide evidence that it communicated its current and future system conditions to all of its neighboring Balancing Authorities.	The Balancing Authority failed to provide evidence that it communicated its current and future system conditions to its Reliability Coordinator.
R4.	A Balancing Authority anticipating an operating capacity or energy emergency shall perform all actions necessary including bringing on all available generation, postponing equipment maintenance, scheduling interchange purchases in advance, and being prepared to reduce firm load.	N/A	N/A	N/A	The Balancing Authority anticipating an operating capacity or energy emergency failed to perform all actions necessary including bringing on all available generation, postponing equipment maintenance, scheduling interchange purchases in advance, or preparing to reduce firm load.

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R5.	A deficient Balancing Authority shall only use the assistance provided by the Interconnection’s frequency bias for the time needed to implement corrective actions. The Balancing Authority shall not unilaterally adjust generation in an attempt to return Interconnection frequency to normal beyond that supplied through frequency bias action and Interchange Schedule changes. Such unilateral adjustment may overload transmission facilities.	N/A	N/A	The Balancing Authority used the assistance provided by the Interconnection’s frequency bias for more time than needed to implement corrective actions.	The Balancing Authority used the assistance provided by the Interconnection’s frequency bias for more time than needed to implement corrective actions. AND The Balancing Authority unilaterally adjusted generation in an attempt to return Interconnection frequency to normal beyond that supplied through frequency bias action and Interchange Schedule changes.
R6.	If the Balancing Authority cannot comply with the Control Performance and Disturbance Control Standards, then it shall immediately implement remedies to do so. These remedies include, but are not limited to:	N/A	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to implement two (2) of the sub-requirements identified for R6.	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to implement three (3) of the sub-requirements identified for R6.	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to implement four (4) or more of the sub-requirements identified for R6.
R6.1.	Loading all available generating capacity.	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control	N/A	N/A	N/A

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
		Standards and failed to load all available generating capacity.			
R6.2.	Deploying all available operating reserve	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to deploy all available operating reserve.	N/A	N/A	N/A
R6.3.	Interrupting interruptible load and exports.	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to interrupt interruptible load and exports.	N/A	N/A	N/A
R6.4.	Requesting emergency assistance from other Balancing Authorities.	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to request emergency assistance from other Balancing Authorities.	N/A	N/A	N/A
R6.5.	Declaring an Energy Emergency through its Reliability Coordinator; and	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to declare an Energy	N/A	N/A	N/A

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
		Emergency through its Reliability Coordinator.			
R6.6.	Reducing load, through procedures such as public appeals, voltage reductions, curtailing interruptible loads and firm loads.	The Balancing Authority was not able to comply with the Control Performance and Disturbance Control Standards and failed to reduce load, through procedures such as public appeals, voltage reductions or curtailing interruptible loads or firm loads.	N/A	N/A	N/A

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R7.	Once the Balancing Authority has exhausted the steps listed in Requirement 6, or if these steps cannot be completed in sufficient time to resolve the emergency condition, the Balancing Authority shall:	N/A	N/A	<p>The Balancing Authority exhausted the steps listed in R6, or if the steps listed in R6 could not be completed in sufficient time to resolve the emergency condition, and the Balancing Authority failed to provide evidence that it manually shed firm load without delay to return its ACE to zero.</p> <p>OR</p> <p>The Balancing Authority exhausted the steps listed in R6, or if the steps listed in R6 could not be completed in sufficient time to resolve the emergency condition, and the Balancing Authority failed to provide evidence that it requested the Reliability Coordinator to declare an Energy Emergency Alert in accordance with Attachment 1-EOP-002-0 “Energy Emergency Alert Levels.”</p>	<p>The Balancing Authority exhausted the steps listed in R6, or if the steps listed in R6 could not be completed in sufficient time to resolve the emergency condition, and the Balancing Authority failed to provide evidence that it manually shed firm load without delay to return its ACE to zero.</p> <p>AND</p> <p>The Balancing Authority exhausted the steps listed in R6, or if the steps listed in R6 could not be completed in sufficient time to resolve the emergency condition, and the Balancing Authority failed to provide evidence that it requested the Reliability Coordinator to declare an Energy Emergency Alert in accordance with Attachment 1-EOP-002-0 “Energy Emergency Alert Levels.”</p>

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R7.1.	Manually shed firm load without delay to return its ACE to zero; and	N/A	N/A	The Balancing Authority exhausted the steps listed in R6, or if the steps listed in R6 could not be completed in sufficient time to resolve the emergency condition, and the Balancing Authority failed to provide evidence that it manually shed firm load without delay to return its ACE to zero.	N/A
R7.2.	Request the Reliability Coordinator to declare an Energy Emergency Alert in accordance with Attachment 1-EOP-002-0 “Energy Emergency Alert Levels.”	N/A	N/A	The Balancing Authority exhausted the steps listed in R6, or if the steps listed in R6 could not be completed in sufficient time to resolve the emergency condition, and the Balancing Authority failed to provide evidence that it requested the Reliability Coordinator to declare an Energy Emergency Alert in accordance with Attachment 1-EOP-002-0 “Energy Emergency Alert Levels.”	N/A

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R8.	A Reliability Coordinator that has any Balancing Authority within its Reliability Coordinator area experiencing a potential or actual Energy Emergency shall initiate an Energy Emergency Alert as detailed in Attachment 1-EOP-002-0 “Energy Emergency Alert Levels.” The Reliability Coordinator shall act to mitigate the emergency condition, including a request for emergency assistance if required.	The Reliability Coordinator’s implementation of an Energy Emergency Alert failed to meet one (1) or two (2) of the program/procedural elements detailed in Attachment 1-EOP-002-0 “Energy Emergency Alert Levels.”	N/A	N/A	The Reliability Coordinator’s implementation of an Energy Emergency Alert failed to meet three (3) or more of the program/procedural elements detailed in Attachment 1-EOP-002-0 “Energy Emergency Alert Levels.”
R9.	When a Transmission Service Provider expects to elevate the transmission service priority of an Interchange Transaction from Priority 6 (Network Integration Transmission Service from Non-designated Resources) to Priority 7 (Network Integration Transmission Service from designated Network Resources) as permitted in its transmission tariff (See Attachment 1-IRO-006-0 “Transmission Loading Relief Procedure” for explanation of Transmission Service Priorities):	N/A	N/A	The Reliability Coordinator failed to comply with two (2) of the three sub-requirements R9.2, R9.3, or R9.4 of R9.	The Reliability Coordinator failed to comply with the three (3) sub-requirements R9.2, R9.3, and R9.4 of R9.
R9.1.	The deficient Load-Serving Entity shall request its Reliability Coordinator to initiate an Energy Emergency Alert in accordance with Attachment 1-EOP-002-0.	N/A	N/A	N/A	The Load-Serving Entity failed to provide evidence that it requested its Reliability Coordinator to initiate an Energy Emergency Alert in accordance with Attachment 1-EOP-002-0.

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EOP-002-2 – Capacity and Energy Emergencies					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R9.2.	The Reliability Coordinator shall submit the report to NERC for posting on the NERC Website, noting the expected total MW that may have its transmission service priority changed.	The Reliability Coordinator failed to submit the report to NERC for posting on the NERC Website, noting the expected total MW that may have its transmission service priority changed.	N/A	N/A	N/A
R9.3.	The Reliability Coordinator shall use EEA 1 to forecast the change of the priority of transmission service of an Interchange Transaction on the system from Priority 6 to Priority 7.	The Reliability Coordinator failed to use EEA 1 to forecast the change of the priority of transmission service of an Interchange Transaction on the system from Priority 6 to Priority 7.	N/A	N/A	N/A
R9.4.	The Reliability Coordinator shall use EEA 2 to announce the change of the priority of transmission service of an Interchange Transaction on the system from Priority 6 to Priority 7.	The Reliability Coordinator failed to use EEA 2 to announce the change of the priority of transmission service of an Interchange Transaction on the system from Priority 6 to Priority 7.	N/A	N/A	N/A

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EOP-003-1 – Load Shedding Plans					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	After taking all other remedial steps, a Transmission Operator or Balancing Authority operating with insufficient generation or transmission capacity shall shed customer load rather than risk an uncontrolled failure of components or cascading outages of the Interconnection.	N/A	N/A	N/A	The Transmission Operator or Balancing Authority failed to shed customer load.
R2.	Each Transmission Operator and Balancing Authority shall establish plans for automatic load shedding for underfrequency or undervoltage conditions.	The Transmission Operator or Balancing Authority’s automatic load shedding plans exist for underfrequency and undervoltage conditions but combined are missing no more than two details or program/procedural elements.	N/A	N/A	The Transmission Operator or Balancing Authority failed to demonstrate the existence of automatic load shedding plans for underfrequency and undervoltage conditions.
R3.	Each Transmission Operator and Balancing Authority shall coordinate load shedding plans among other interconnected Transmission Operators and Balancing Authorities.	The Transmission Operator or Balancing Authority demonstrated coordination/communication with all but one of its interconnected Transmission Operators and Balancing Authorities.	N/A	The Transmission Operator or Balancing Authority failed to demonstrate coordination/communication with more than one of its interconnected Transmission Operators and Balancing Authorities.	The Transmission Operator or Balancing Authority failed to coordinate/communicate load shedding plans among any of its interconnected Transmission Operators and Balancing Authorities.

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EOP-003-1 – Load Shedding Plans

	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R4.	A Transmission Operator or Balancing Authority shall consider one or more of these factors in designing an automatic load shedding scheme: frequency, rate of frequency decay, voltage level, rate of voltage decay, or power flow levels.	The Transmission Operator or Balancing Authority demonstrated the existence of a load shedding scheme but failed to show it considered one of these factors in designing the automatic load shedding scheme: frequency, rate of frequency decay, voltage level, rate of voltage decay, or power flow levels.	N/A	N/A	The Transmission Operator or Balancing Authority failed to demonstrate the existence of an automatic load shedding scheme.
R5.	A Transmission Operator or Balancing Authority shall implement load shedding in steps established to minimize the risk of further uncontrolled separation, loss of generation, or system shutdown.	N/A	N/A	N/A	The Transmission Operator or Balancing Authority failed to implement load shedding in steps established to minimize the risk of further uncontrolled separation, loss of generation, or system shutdown.
R6.	After a Transmission Operator or Balancing Authority Area separates from the Interconnection, if there is insufficient generating capacity to restore system frequency following automatic underfrequency load shedding, the Transmission Operator or Balancing Authority shall shed additional load.	N/A	N/A	N/A	The Transmission Operator or Balancing Authority failed to shed additional load after it had separated from the Interconnection when there was insufficient generating capacity to restore system frequency following automatic underfrequency load

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EOP-003-1 – Load Shedding Plans

	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
					shedding.
R7.	The Transmission Operator and Balancing Authority shall coordinate automatic load shedding throughout their areas with underfrequency isolation of generating units, tripping of shunt capacitors, and other automatic actions that will occur under abnormal frequency, voltage, or power flow conditions.	The Transmission Operator or Balancing Authority coordinated automatic load shedding with all the applicable entities, but did not include details on one of the elements identified in R7.	The Transmission Operator or Balancing Authority coordinated automatic load shedding with all the applicable entities, but did not include details on two of the elements identified in R7.	The Transmission Operator or Balancing Authority failed to coordinate load shedding with 100% of the applicable entities but did coordinate load shedding with more than 50% of the applicable entities.	The Transmission Operator or Balancing Authority failed to coordinate automatic load shedding with the 50% or less of the applicable entities.
R8.	Each Transmission Operator or Balancing Authority shall have plans for operator-controlled manual load shedding to respond to real-time emergencies. The Transmission Operator or Balancing Authority shall be capable of implementing the load shedding in a timeframe adequate for responding to the emergency.	The Transmission Operator or Balancing Authority has plans for manual load shedding but is missing no more than two program/procedural elements.	N/A	N/A	The Transmission Operator or Balancing Authority does not have plans for manual load shedding or is not capable of implementing the load shedding in a time frame adequate for responding to the emergency.

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EOP-004-1 – Disturbance Reporting					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	Each Regional Reliability Organization shall establish and maintain a Regional reporting procedure to facilitate preparation of preliminary and final disturbance reports.	The Regional Reliability Organization has demonstrated the existence of a regional reporting procedure, but the procedure is missing no more than two details or program/procedural elements.	N/A	N/A	The Regional Reliability Organization does not have a regional reporting procedure.
R2.	A Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity shall promptly analyze Bulk Electric System disturbances on its system or facilities.	N/A	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity failed to analyze 1% to 25% of its disturbances on the BES or was negligent in the timeliness of analyzing the disturbances 1% to 25% of the time.	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity failed to analyze 26% to 50% of its disturbances on the BES or was negligent in the timeliness of analyzing the disturbances 26% to 50% of the time.	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity failed to analyze more than 50% of its disturbances on the BES or was negligent in the timeliness of analyzing the disturbances more than 50% of the time
R3.	A Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity experiencing a reportable incident shall provide a preliminary written report to its Regional Reliability Organization and NERC.	N/A	N/A	N/A	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity failed to provide a preliminary written report as directed by the requirement.

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EOP-004-1 – Disturbance Reporting

	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R3.1.	The affected Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity shall submit within 24 hours of the disturbance or unusual occurrence either a copy of the report submitted to DOE, or, if no DOE report is required, a copy of the NERC Interconnection Reliability Operating Limit and Preliminary Disturbance Report form. Events that are not identified until some time after they occur shall be reported within 24 hours of being recognized.	N/A	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity submitted the report within 25 to 36 hours of the disturbance or discovery of the disturbance.	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity submitted the report within 36 to 48 hours of the disturbance or discovery of the disturbance.	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity submitted the report more than 48 hours after the disturbance or discovery of the disturbance.
R3.2.	Applicable reporting forms are provided in Attachments 022-1 and 022-2.	N/A	N/A	N/A	N/A
R3.3.	Under certain adverse conditions, e.g., severe weather, it may not be possible to assess the damage caused by a disturbance and issue a written Interconnection Reliability Operating Limit and Preliminary Disturbance Report within 24 hours. In such cases, the affected Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, or Load-Serving Entity shall promptly notify its Regional Reliability Organization(s) and NERC, and verbally provide as much information as is available at that time. The affected Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, or Load-Serving Entity shall then provide timely, periodic verbal	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity provided its Regional Reliability Organization(s) and NERC with periodic, verbal updates about a disturbance, but the updates did not include all information that was available at the time.	N/A	N/A	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity did not provide its Regional Reliability Organization(s) and NERC with verbal updates about a disturbance as specified in R3.3.

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EOP-004-1 – Disturbance Reporting					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
	updates until adequate information is available to issue a written Preliminary Disturbance Report.				
R3.4.	If, in the judgment of the Regional Reliability Organization, after consultation with the Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, or Load-Serving Entity in which a disturbance occurred, a final report is required, the affected Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, or Load-Serving Entity shall prepare this report within 60 days. As a minimum, the final report shall have a discussion of the events and its cause, the conclusions reached, and recommendations to prevent recurrence of this type of event. The report shall be subject to Regional Reliability Organization approval.	N/A	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity submitted the final report 30 or less days late or was missing one of the elements specified in the requirement.	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity submitted the final report more than 30 days late or was missing two of the elements specified in the requirement.	The Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator or Load-Serving Entity final report was not submitted or was missing more than two of the elements specified in the requirement.

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EOP-004-1 – Disturbance Reporting

	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R4.	When a Bulk Electric System disturbance occurs, the Regional Reliability Organization shall make its representatives on the NERC Operating Committee and Disturbance Analysis Working Group available to the affected Reliability Coordinator, Balancing Authority, Transmission Operator, Generator Operator, or Load-Serving Entity immediately affected by the disturbance for the purpose of providing any needed assistance in the investigation and to assist in the preparation of a final report.	N/A	The RRO did not make its representatives on the NERC Operating Committee and Disturbance Analysis Working Group available for the purpose of providing any needed assistance in the investigation and to assist in the preparation of a final report.	N/A	N/A
R5.	The Regional Reliability Organization shall track and review the status of all final report recommendations at least twice each year to ensure they are being acted upon in a timely manner. If any recommendation has not been acted on within two years, or if Regional Reliability Organization tracking and review indicates at any time that any recommendation is not being acted on with sufficient diligence, the Regional Reliability Organization shall notify the NERC Planning Committee and Operating Committee of the status of the recommendation(s) and the steps the Regional Reliability Organization has taken to accelerate implementation.	The Regional Reliability Organization reviewed all final report recommendations less than twice a year.	The Regional Reliability Organization reviewed 75% or more final report recommendations twice a year.	The Regional Reliability Organization has not reported on any recommendation that has not been acted on within two years to the NERC Planning and Operating Committees.	The Regional Reliability Organization has not reviewed the final report recommendations or did not notify the NERC Planning and Operating Committees.

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EOP-005-1 – System Restoration Plans					
Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL	
R1.	Each Transmission Operator shall have a restoration plan to reestablish its electric system in a stable and orderly manner in the event of a partial or total shutdown of its system, including necessary operating instructions and procedures to cover emergency conditions, and the loss of vital telecommunications channels. Each Transmission Operator shall include the applicable elements listed in Attachment 1-EOP-005 in developing a restoration plan.	The Transmission Operator has a restoration plan that includes 75 % or more but less than 100% of the applicable elements listed in Attachment 1-EOP-005.	The Transmission Operator has a restoration plan that includes 50% to 75% of the applicable elements listed in Attachment 1-EOP-005.	The Transmission Operator has a restoration plan that includes 25% - 50% of the applicable elements listed in Attachment 1-EOP-005.	The Transmission Operator has a restoration plan that includes less than 25% of the applicable elements listed in Attachment 1-EOP-005. OR The Transmission Operator has no restoration plan.
R2.	Each Transmission Operator shall review and update its restoration plan at least annually and whenever it makes changes in the power system network, and shall correct deficiencies found during the simulated restoration exercises.	The Transmission Operator failed to review or update its restoration plan when it made changes in the power system network.	The Transmission Operator failed to review and update its restoration plan at least annually.	The Transmission Operator failed to review and update its restoration plan at least annually or whenever it made changes in the power system network, and failed to correct deficiencies found during the simulated restoration exercises.	The Transmission Operator failed to review and update its restoration plan at least annually and whenever it made changes in the power system network, and failed to correct deficiencies found during the simulated restoration exercises.
R3.	Each Transmission Operator shall develop restoration plans with a priority of restoring the integrity of the Interconnection.	N/A	N/A	N/A	The Transmission Operator's restoration plans failed to make restoration of the integrity of the Interconnection a top priority.

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EOP-005-1 – System Restoration Plans					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R4.	Each Transmission Operator shall coordinate its restoration plans with the Generator Owners and Balancing Authorities within its area, its Reliability Coordinator, and neighboring Transmission Operators and Balancing Authorities.	The Transmission Operator failed to coordinate its restoration plans with one of the entities listed in the requirement.	The Transmission Operator failed to coordinate its restoration plans with two of the entities listed in the requirement.	The Transmission Operator failed to coordinate its restoration plans with three of the entities listed in the requirement.	The Transmission Operator failed to coordinate its restoration plans with four or more of the entities listed in the requirement.
R5.	Each Transmission Operator and Balancing Authority shall periodically test its telecommunication facilities needed to implement the restoration plan.	N/A	N/A	The Transmission Operator or Balancing Authority failed to periodically test its telecommunication facilities needed to implement the restoration plan.	N/A
R6.	Each Transmission Operator and Balancing Authority shall train its operating personnel in the implementation of the restoration plan. Such training shall include simulated exercises, if practicable.	The Transmission Operator or Balancing Authority trained less than 100% but greater than or equal to 67 % of its operating personnel in the implementation of the restoration plan.	The Transmission Operator or Balancing Authority trained less than 67 % but greater than or equal to 33 % of its operating personnel in the implementation of the restoration plan.	The Transmission Operator or Balancing Authority trained less than 33 % of its operating personnel in the implementation of the restoration plan.	The Transmission Operator or Balancing Authority did not train any of its operating personnel in the implementation of the restoration plan.
R7.	Each Transmission Operator and Balancing Authority shall verify the restoration procedure by actual testing or by simulation.	The Transmission Operator or Balancing Authority verified 76% to 99% of the restoration procedure by actual testing or by simulation.	The Transmission Operator or Balancing Authority verified 51% to 75% of the restoration procedure by actual testing or by simulation.	The Transmission Operator or Balancing Authority verified 26% to 50% of the restoration procedure by actual testing or by simulation.	The Transmission Operator or Balancing Authority verified less than 26% of the restoration procedure by actual testing or by simulation.

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EOP-005-1 – System Restoration Plans					
Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL	
R8.	Each Transmission Operator shall verify that the number, size, availability, and location of system blackstart generating units are sufficient to meet Regional Reliability Organization restoration plan requirements for the Transmission Operator’s area.	N/A	N/A	N/A	The Transmission Operator failed to verify that the number, size, availability, and location of system blackstart generating units are sufficient to meet Regional Reliability Organization restoration plan requirements for the Transmission Operator’s area.
R9.	The Transmission Operator shall document the Cranking Paths, including initial switching requirements, between each blackstart generating unit and the unit(s) to be started and shall provide this documentation for review by the Regional Reliability Organization upon request. Such documentation may include Cranking Path diagrams.	N/A	N/A	The Transmission Operator failed to document the Cranking Paths, including initial switching requirements, between each blackstart generating unit and the unit(s) to be started. OR The Transmission Operator failed to provide the Cranking Paths documentation to an Regional Reliability Organization upon request.	The Transmission Operator failed to document the Cranking Paths, including initial switching requirements, between each blackstart generating unit and the unit(s) to be started. AND The Transmission Operator failed to provide the Cranking Paths documentation to an Regional Reliability Organization upon request.

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EOP-005-1 – System Restoration Plans					
Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL	
R10.	The Transmission Operator shall demonstrate, through simulation or testing, that the blackstart generating units in its restoration plan can perform their intended functions as required in the regional restoration plan.	The Transmission Operator only demonstrated, through simulation or testing, that between 67 and 99% of the blackstart generating units in its restoration plan can perform their intended functions as required in the regional restoration plan.	The Transmission Operator only demonstrated, through simulation or testing, that between 33 and 66% of the blackstart generating units in its restoration plan can perform their intended functions as required in the regional restoration plan.	The Transmission Operator only demonstrated, through simulation or testing, that less than 33% of the blackstart generating units in its restoration plan can perform their intended functions as required in the regional restoration plan.	The Transmission Operator did not demonstrate, through simulation or testing, that any of the blackstart generating units in its restoration plan can perform their intended functions as required in the regional restoration plan.
R10.1.	The Transmission Operator shall perform this simulation or testing at least once every five years.	N/A	N/A	N/A	The Transmission Operator failed to perform the required simulation or testing at least once every five years.
R11.	Following a disturbance in which one or more areas of the Bulk Electric System become isolated or blacked out, the affected Transmission Operators and Balancing Authorities shall begin immediately to return the Bulk Electric System to normal.	The Transmission Operator or Balancing Authority failed to comply with less than 25% of the sub-requirements of R11.	The Transmission Operator or Balancing Authority failed to comply with 25% or more and less than 50% of the sub-requirements of R11.	The Transmission Operator or Balancing Authority failed to comply with 50% or more and less than 75% of the sub-requirements of R11.	The Transmission Operator or Balancing Authority failed to comply with more than 75% of the sub-requirements of R11.
R11.1.	The affected Transmission Operators and Balancing Authorities shall work in conjunction with their Reliability Coordinator(s) to determine the extent and condition of the isolated area(s).	The Transmission Operator or Balancing Authority failed to work in conjunction with their Reliability Coordinator to determine the extent and condition of the isolated area(s)	N/A	N/A	N/A

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EOP-005-1 – System Restoration Plans					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R11.2.	The affected Transmission Operators and Balancing Authorities shall take the necessary actions to restore Bulk Electric System frequency to normal, including adjusting generation, placing additional generators on line, or load shedding.	N/A	N/A	The Transmission Operator or Balancing Authority failed to take the necessary actions to restore Bulk Electric System frequency to normal.	N/A
R11.3.	The affected Balancing Authorities, working with their Reliability Coordinator(s), shall immediately review the Interchange Schedules between those Balancing Authority Areas or fragments of those Balancing Authority Areas within the separated area and make adjustments as needed to facilitate the restoration. The affected Balancing Authorities shall make all attempts to maintain the adjusted Interchange Schedules, whether generation control is manual or automatic.	N/A	N/A	The Balancing Authority failed to make all attempts to maintain adjusted Interchange Schedules as required in R11.3	The Balancing Authority failed to immediately review the Interchange Schedules between those Balancing Authority Areas or fragments of those Balancing Authority Areas within the separated area and make adjustments to facilitate the restoration as required in R11.3.
R11.4.	The affected Transmission Operators shall give high priority to restoration of off-site power to nuclear stations.	N/A	N/A	The Transmission Operator failed to give high priority to restoration of off-site power to nuclear stations.	N/A
R11.5.	The affected Transmission Operators may resynchronize the isolated area(s) with the surrounding area(s) when the following conditions are met:	N/A	N/A	N/A	The Transmission Operator attempted to resynchronize an isolated area(s) with a surrounding area(s) when one (1) or more of the sub-requirements of R11.5 were not met.

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EOP-005-1 – System Restoration Plans					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R11.5.1.	Voltage, frequency, and phase angle permit.	N/A	N/A	N/A	The Transmission Operator attempted to resynchronize an isolated area(s) with a surrounding area(s) when sub-requirement R11.5.1 was not met.
R11.5.2.	The size of the area being reconnected and the capacity of the transmission lines effecting the reconnection and the number of synchronizing points across the system are considered.	N/A	N/A	N/A	The Transmission Operator attempted to resynchronize an isolated area(s) with a surrounding area(s) when sub-requirement R11.5.2 was not met.
R11.5.3.	Reliability Coordinator(s) and adjacent areas are notified and Reliability Coordinator approval is given.	N/A	N/A	N/A	The Transmission Operator attempted to resynchronize an isolated area(s) with a surrounding area(s) when sub-requirement R11.5.3 was not met.
R11.5.4.	Load is shed in neighboring areas, if required, to permit successful interconnected system restoration.	N/A	N/A	N/A	The Transmission Operator attempted to resynchronize an isolated area(s) with a surrounding area(s) when sub-requirement R11.5.4 was not met.

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EOP-006-1 – Reliability Coordination – System Restoration					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	Each Reliability Coordinator shall be aware of the restoration plan of each Transmission Operator in its Reliability Coordinator Area in accordance with NERC and regional requirements.	The Reliability Coordinator is aware of more than 75% but less than 100% of its Transmission Operators restoration plans.	The Reliability Coordinator is aware of more than 50% but less than 75% of its Transmission Operators restoration plans.	The Reliability Coordinator is aware of more than 25% but less than 50% of its Transmission Operators restoration plans.	The Reliability Coordinator is not aware of any of its Transmission Operators restoration plans.
R2.	The Reliability Coordinator shall monitor restoration progress and coordinate any needed assistance.	N/A	N/A	The Reliability Coordinator failed to monitor restoration progress or failed to coordinate assistance.	The Reliability Coordinator failed to monitor restoration progress and failed to coordinate assistance.
R3.	The Reliability Coordinator shall have a Reliability Coordinator Area restoration plan that provides coordination between individual Transmission Operator restoration plans and that ensures reliability is maintained during system restoration events.	N/A	The Reliability Coordinator's Reliability Coordinator Area restoration plan did not coordinate with one individual Transmission Operator restoration plans.	The Reliability Coordinator's Reliability Coordinator Area restoration plan did not coordinate with more than one individual Transmission Operator restoration plans.	The Reliability Coordinator does not have a Reliability Coordinator Area restoration plan.
R4.	The Reliability Coordinator shall serve as the primary contact for disseminating information regarding restoration to neighboring Reliability Coordinators and Transmission Operators or Balancing Authorities not immediately involved in restoration.	The Reliability Coordinator failed to disseminate information regarding restoration to one neighboring Reliability Coordinator or Transmission Operator or Balancing Authority not immediately involved in restoration.	The Reliability Coordinator failed to disseminate information regarding restoration to two neighboring Reliability Coordinators or Transmission Operators or Balancing Authorities not immediately involved in restoration.	The Reliability Coordinator failed to disseminate information regarding restoration to three neighboring Reliability Coordinators or Transmission Operators or Balancing Authorities not immediately involved in restoration.	The Reliability Coordinator failed to disseminate information regarding restoration to four or more neighboring Reliability Coordinators or Transmission Operators or Balancing Authorities not immediately involved in restoration.

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EOP-006-1 – Reliability Coordination – System Restoration					
Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL	
R5.	Reliability Coordinators shall approve, communicate, and coordinate the re-synchronizing of major system islands or synchronizing points so as not to cause a Burden on adjacent Transmission Operator, Balancing Authority, or Reliability Coordinator Areas.	N/A	N/A	N/A	The Reliability Coordinator failed to approve, communicate, and coordinate the re-synchronizing of major system islands or synchronizing points and caused a Burden on adjacent Transmission Operator, Balancing Authority, or Reliability Coordinator Areas.
R6.	The Reliability Coordinator shall take actions to restore normal operations once an operating emergency has been mitigated in accordance with its restoration plan.	N/A	N/A	N/A	The Reliability Coordinator failed to take actions to restore normal operations once an operating emergency was mitigated in accordance with its restoration plan.

EOP-008-1 – Plans for Loss of Control Center Functionality					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	Each Reliability Coordinator, Transmission Operator and Balancing Authority shall have a plan to continue reliability operations in the event its control center becomes inoperable. The contingency plan must meet the following requirements:	The Reliability Coordinator, Transmission Operator or Balancing Authority plan to continue reliability operations in the event its control center becomes inoperable failed to comply with one (1) of the sub-requirements of R1.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan to continue reliability operations in the event its control center becomes inoperable failed to comply with two (2) of the sub-requirements of R1.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan to continue reliability operations in the event its control center becomes inoperable failed to comply with three (3) or four (4) of the sub-requirements of R1.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan to continue reliability operations in the event its control center becomes inoperable failed to comply with more than four (4) of the sub-requirements of R1.
R1.1.	The contingency plan shall not rely on data or voice communication from the primary control facility to be viable.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan relies on data or voice communication from the primary control facility for up to 25% of the functions identified in R1.2 and R1.3.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan relies on data or voice communication from the primary control facility for 25% to 50% of the functions identified in R1.2 and R1.3.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan relies on data or voice communication from the primary control facility for 50% to 75% of the functions identified in R1.2 and R1.3.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan relies on data and voice communication from the primary control facility for more than 75% of the functions identified in R1.2 and R1.3.
R1.2.	The plan shall include procedures and responsibilities for providing basic tie line control and procedures and for maintaining the status of all inter-area schedules, such that there is an hourly accounting of all schedules.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan failed to include procedures and responsibilities for providing basic tie line control and procedures and for maintaining the status of all inter-area schedules, such that there	N/A	N/A	N/A

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EOP-008-1 – Plans for Loss of Control Center Functionality					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
		is an hourly accounting of all schedules.			
R1.3.	The contingency plan must address monitoring and control of critical transmission facilities, generation control, voltage control, time and frequency control, control of critical substation devices, and logging of significant power system events. The plan shall list the critical facilities.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan failed to address one of the elements listed in the requirement.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan failed to address two of the elements listed in the requirement.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan failed to address three of the elements listed in the requirement.	The Reliability Coordinator, Transmission Operator or Balancing Authority contingency plan failed to address four or more of the elements listed in the requirement.
R1.4.	The plan shall include procedures and responsibilities for maintaining basic voice communication capabilities with other areas.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan failed to include procedures and responsibilities for maintaining basic voice communication capabilities with other areas.	N/A	N/A	N/A
R1.5.	The plan shall include procedures and responsibilities for conducting periodic tests, at least annually, to ensure viability of the plan.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan failed to include procedures and responsibilities for conducting periodic tests, at least annually, to ensure viability of the plan.	N/A	N/A	N/A

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EOP-008-1 – Plans for Loss of Control Center Functionality					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.6.	The plan shall include procedures and responsibilities for providing annual training to ensure that operating personnel are able to implement the contingency plans.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan failed to include procedures and responsibilities for providing annual training to ensure that operating personnel are able to implement the contingency plans.	N/A	N/A	N/A
R1.7.	The plan shall be reviewed and updated annually.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan was reviewed within three months of passing its annual review date.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan was reviewed within six months of passing its annual review date.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan was reviewed within nine months of passing its annual review date.	The Reliability Coordinator, Transmission Operator or Balancing Authority plan was reviewed more than nine months of passing its annual review date.
R1.8.	Interim provisions must be included if it is expected to take more than one hour to implement the contingency plan for loss of primary control facility.	The Reliability Coordinator, Transmission Operator or Balancing Authority failed to make interim provisions when it is took more than one hour to implement the contingency plan for loss of primary control facility.	N/A	N/A	N/A

EOP-009-1 – Documentation of Blackstart Generating Unit Test Results					
	Requirement	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1.	The Generator Operator of each blackstart generating unit shall test the startup and operation of each system blackstart generating unit identified in the BCP as required in the Regional BCP (Reliability Standard EOP-007-0_R1). Testing records shall include the dates of the tests, the duration of the tests, and an indication of whether the tests met Regional BCP requirements.	The Generator Operator blackstart unit testing and recording is missing no more than two program/procedural elements.	Startup and testing of each blackstart unit was performed, but the testing records are incomplete. The testing records are missing 25% or less of data requested in the requirement.	The Generator Operator failed to test 25% or less of the blackstart units or testing records are incomplete. The testing records are missing between 25% and 50% of data requested in the requirement.	The Generator Operator failed to test more than 25% of its blackstart units or does not have blackstart testing records or is missing more than 50% of the required data.
R2.	The Generator Owner or Generator Operator shall provide documentation of the test results of the startup and operation of each blackstart generating unit to the Regional Reliability Organizations and upon request to NERC.	The Generator Operator has provided the blackstart testing documentation to its Regional Reliability Organization. However the documentation provided had no more than two missing program/procedural elements or failed to provide the documentation requested to NERC within 30 days.	N/A	N/A	The Generator Operator did not provide the required blackstart documentation to its Regional Reliability Organization.