

Request to Develop or Modify Reliability Rules and Requirements (NYSRC Policy No. 1-11)

Submit request to herb@poweradvisorsllc.com via the NYSRC site www.nysrc.org

Item	Information
1. PRR No. & Title of Reliability Rule or Requirement change	PRR 148 Mitigation of Major Emergencies
2. Rule Change Requester Information	
Name	
Organization	NYISO
3. New rule or revision to existing rule?	Revision to Reliability Rule D.1
4. Need for rule change, including advantages and disadvantages	<p>Under current NYSRC reliability rules, the NYISO is required to declare a Major Emergency immediately if the post-contingency loading of an interface exceeds the stability or voltage collapse limits by greater than 5%. Recent events have demonstrated that exceedances meeting this criterion can in some circumstances pose little immediate threat to reliability and be easily resolved through application of ordinary NYISO operating procedures.</p> <p>This rule as revised will not negatively affect reliability, as the NYISO will at all times retain access to the measures needed to reduce flows to meet limits, either through those actions authorized in the Alert state or by immediately declaring a Major Emergency if Load Relief measures are required. NYISO Operators have the tools needed to make that determination. The NYISO is concerned that technically unwarranted Major Emergency declarations may dilute the seriousness of a Major Emergency declaration.</p> <p>Reserving Major Emergency declarations for those instances where load relief measures are more likely to be required improves reliability by setting appropriate expectations for Transmission Owner Operators who will need to implement those directives.</p>
5. Related NYSRC rules	
6. Section A – Reliability Rule Elements	
1. Reliability Rule	The NYISO shall develop, maintain, and implement plans to mitigate operating emergencies.
2. Associated NERC Standards & NPCC Standards and Criteria	NPCC: None NERC: None
3. Applicability	NYISO

<p>7. Section B Requirements</p>	<p>(There are no changes to Requirements R1, R2, R3, R4.1, R5, R6.1, and R7 to R10.)</p> <p>R4.2. More than 5%</p> <p>If the post-contingency loading of an internal New York transfer <i>interface</i> or the post-contingency flow towards New York of an inter-control area <i>interface</i> exceeds the limits associated with a voltage collapse by 5% or more, <u>an Alert State shall be declared immediately and corrective measures shall be applied to bring the loading to below 105% of the limit within ten (10) minutes.</u></p> <p><u>If, after taking corrective action, loadings are not below 105% of the limit within ten (10) minutes, or are not below the established limit within fifteen (15) minutes,</u> a major <i>emergency</i> shall be declared immediately and corrective measures, which may include <i>load relief</i>, shall be initiated to bring the loading to established limits. If loadings are not below 105% of the limit within fifteen (15) minutes from the initial overload, or below the limit within thirty (30) minutes from the initial overload, <i>load relief</i> measures must be instituted.</p> <p><u>At the NYISO'S discretion, a Major Emergency may be declared at any time an interface associated with voltage collapse becomes loaded by 5% or more over the established limit.</u></p> <p>R6.2. More than 5%</p> <p>If the loading of an internal New York transfer <i>interface</i> or the power flow towards New York on an inter-control area <i>interface</i> exceeds the system <i>stability limit</i> by 5% or more, <u>an Alert State shall be declared immediately and corrective measures shall be applied to bring the loading to below 105% of the limit within ten (10) minutes.</u></p> <p><u>If, after taking corrective action, loadings are not below 105% of the limit within ten (10) minutes, or are not below the established limit within fifteen (15) minutes,</u> a <i>Major Emergency</i> shall be declared immediately and corrective measures, which may include <i>load relief</i>, shall be initiated to bring the loading to established limits. If loadings are not below 105% of the <i>stability limit</i> within fifteen (15) minutes from the initial overload, or below the <i>stability limit</i> within thirty (30) minutes from the initial overload, <i>load relief</i> measures must be instituted.</p> <p><u>At the NYISO'S discretion, a Major Emergency may be declared at any time an interface associated with system stability becomes loaded by 5% or more over the established limit.</u></p>

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8. Section C – Compliance Elements	
1. Measures	<p>M1. The NYISO maintained procedures and systems in accordance with R8 that ensures all <i>Market Participants</i> will respond correctly when frequency, reserves and thermal, voltage and/or stability limits are violated, <u>as required by R1 through R7.</u></p> <p>(No changes to M2 and M3.)</p>
2. Levels of Non-Compliance	No changes
3. Compliance Monitoring Process (See Policy 4):	No changes
3.1 Compliance Monitoring Responsibility	
3.2 Reporting Frequency	
3.3 Compliance Reporting Requirements	
9. Implementation Plan	<p>Following Executive Committee adoption of this Reliability Rule D.1 revision, the NYISO shall update Operating Manuals and procedures and software, and provide operator training as required. By November 24, 2020, the NYISO shall submit compliance documentation to the NYSRC, which shall include the following:</p> <ol style="list-style-type: none"> 1. A description of any contingency events since adoption of this rule that would have been classified as a Major Emergency under the previous rule, but were resolved through the application of ordinary NYISO operating procedures as permitted by this rule change. 2. A report on the above referenced operator training program. 3. A NYISO self-certification of compliance with the revised D.1, providing a reference to those operating procedures that were updated to comply with the rule change.
10. Comments	<p><u>In accordance with the Implementation Plan in Section 9, the effective date for NYISO compliance with this rule change will be November 24, 2020. This Rule Revision will not become effective prior to December 1, 2020.</u></p>
11. Date Rule Adopted	
12. PRR Revision Dates	2/20/20, 3/6/20

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