

Market Rule Amendment Proposal Form

Part 1 - Market Rule Information

Identification No.:	MR-00491-R00
Subject:	Contingency Events
Title:	Updates to Contingency Event Definitions
Nature of Proposal:	☒ Alteration ☐ Deletion ☒ Addition
Chapter:	5 & 11
Appendix:	
Sections:	Ch.5 s.4, Ch.11 Definitions
Sub-sections proposed for amending:	Ch.5 s.4.5, Ch.11 Definitions
Current Market Rules Baseline:	Baseline 54.1

Part 2 - Proposal History

Version	Reason for Issuing	Version Date
1.0	Draft for Technical Panel Review	April 7, 2026
2.0	Posted for Stakeholder Review and Comment	April 14, 2026
3.0	Submitted for Technical Panel vote	May 5, 2026
4.0	Recommended by the Technical Panel; submitted for IESO Board review	May 12, 2026

Approved Amendment Publication Date:

Approved Amendment Effective Date:

Part 3 - Explanation for Proposed Amendment

Provide a brief description that includes some or all of the following points:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

The IESO is proposing to make an administrative update to the market rules in order to align the defined terms for most severe single contingency (MSSC) and second most severe single contingency (SMSSC) with the defined terms used by the Northeast Power Coordinating Council (NPCC) and North American Electric Reliability Corporation (NERC).

Background

In 2025, the NPCC completed its triennial review of NPCC Regional Reliability Reference Directory # 5: Reserve. As part of this review, the defined terms "First Contingency Loss" and "Second Contingency Loss" were revised to "Most Severe Single Contingency (MSSC)" and "Second Most Severe Single Contingency (SMSSC)." This was done to ensure consistency with NERC terms. The IESO is proposing to update its defined terms to align with these changes.

Discussion

The following amendments to the market rules in Chapter 5 – Power System Reliability and Chapter 11 – Definitions are proposed to replace all references to "first contingency loss" and "second contingency loss" with "most severe single contingency" and "second most severe single contingency" to align with industry standard language:

Chapter 5

- s.4.5.8 – replaced reference to "largest first contingency loss" with new defined term "most severe single contingency;"
- ss.4.5.19 and 4.5.20 – replaced reference to "(largest) second contingency loss" with revised defined term "second most severe single contingency."

Chapter 11

- Added new defined term for "most severe single contingency;"
- Revised defined term "second contingency loss" to "second most severe single contingency."

Part 4 - Proposed Amendment

Chapter 5

- 4.5.8 The *IESO* shall maintain sufficient *ten-minute operating reserve* to meet the requirements of all applicable *reliability standards*. This shall be at least equal to the ~~largest-most severe single contingency first-contingency-loss~~ sustainable on the *IESO-controlled grid*.

Thirty-Minute Operating Reserve

- 4.5.18 *Thirty-minute operating reserve* is capacity in excess of anticipated requirements for *energy* that can be made available and used within thirty-minutes and that is not included as *ten-minute operating reserve*.
- 4.5.19 Subject to section 4.5.20, the requirement for *thirty-minute operating reserve* shall be at least equal to one-half of the ~~largest-second most severe single contingency second-contingency-loss~~ sustainable on the *IESO-controlled grid*. However, when a *generation unit* is commissioning and is one of the two largest *contingency events*, the requirement for *thirty-minute operating reserve* shall be at least equal to the ~~second most severe single contingency second-contingency-loss~~.
- 4.5.20 If such a commissioning *generation unit* is not one of the two largest *contingency events*, the requirement for *thirty-minute operating reserve* shall be at least equal to the larger of one-half of the ~~second most severe single contingency second-contingency-loss~~ or the output of the commissioning *generation unit*.
- 4.5.21 The requirement for *thirty-minute operating reserve* shall be maintained in accordance with the applicable *reliability standards* referenced in *the market manuals*.

Chapter 11

most severe single contingency means the largest *resource loss*, measured in MW, resulting from the unexpected failure of a single component connected to the *electricity system* as determined in accordance with the applicable *reliability standards*;

second most severe single contingency loss means ~~an unexpected loss of a second component from the *electricity system* after the *first component is already lost*~~ the next largest *resource loss*, measured in MW, resulting from the unexpected failure of a single component connected to the *electricity system* after accounting for the *most severe single contingency*, as determined in accordance with the applicable *reliability standards*;

Definitions provided for reference only:

contingency event means the unexpected failure of a single component or multiple components connected to the *electricity system*;

electricity system means the *integrated power system* and all *facilities* registered with the *IESO* in accordance with MR Ch.7 s.2 that are connected to that system;

reliability standards means the criteria and standards, including an amendment to a standard or criterion, relating to the *reliable* operation of the *integrated power system* established by a *standards authority*, and declared in force subject to MR Ch.5 ss.1.2.6 and 1.2.7, together with those set forth in these market rules or otherwise established by the IESO in accordance with these *market rules* and which has not otherwise been stayed or revoked and referred back to the *IESO* for further consideration by the *Ontario Energy Board*;

standards authority means *NERC*, *NPCC*, any successors thereof, and any other agency or body that approves standards or criteria applicable both in and outside Ontario relating to the *reliability of transmission systems*;