



Market Rule Amendment Proposal

PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00409-R00		
Subject:	System Security Restoration		
Title:	Eliminate 15 Minute Restoration Obligation Under High-Risk Operating State		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input checked="" type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	5	Appendix:	N/A
Sections:	5		
Sub-sections proposed for amending:	5.10.2		

PART 2 – PROPOSAL HISTORY

Version	Reason for Issuing	Version Date
1.0	Draft for Technical Panel Review	July 15, 2014
2.0	Publish for Stakeholder Review and Comment	July, 24, 2014
3.0	Submitted for Technical Panel Vote	August 19, 2014
4.0	Recommended by Technical Panel; Submitted for IESO Board Approval	August 26, 2014
5.0	Approved by IESO Board	September 11, 2014
Approved Amendment Publication Date:	September 11, 2014	
Approved Amendment Effective Date:	October 3, 2014	

PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

Provide a brief description of the following:

- 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 proposes to amend the market rules to remove the obligation to restore the IESO-controlled grid (ICG) within 15 minutes during the existence of a high risk operating state.

This proposal will align the IESO with neighbouring jurisdictions who are obligated under NERC and NPCC authority to restore their systems within 30 minutes of a contingency event, including when they are in high-risk operating states.

Background

Following a contingency event¹ the IESO is obligated under Chapter 5 section 5.10.2 of the market rules, to restore the operation of the ICG to an emergency operating state, respecting corresponding security limits, within 30 minutes. Effectively this means the IESO, working with participants, will re-prepare the power system to mitigate the effects of the next worse case contingency, should that contingency take place. If the contingency event was preceded by the existence of a high risk operating state, the IESO is currently obligated to restore the ICG to an emergency operating state within 15 minutes.

The effective replacement of the 15 minute restoration obligation with a 30 minute timeline will align the IESO with neighbouring jurisdictions who are obligated under NERC and NPCC authority to restore their systems within 30 minutes of a contingency event, detailed in NPCC Directory #1, section 5.5.4². Also consistent with NPCC Directory #1, the IESO will continue to operate the ICG in a more conservative operating manner under high-risk conditions, which includes more restrictive security limits³.

The IESO will continue to act without delay in managing system contingencies and restoring the power system as soon as possible - this change only allows that restoration to occur within 30 minutes rather than 15 minutes. This change will not have a material impact on reliability or a transmitter's ability to serve load, as the key factor in maintaining reliability is reduced or more restrictive security limits,

¹ Chapter 11, Market Rules definition: *contingency event* means the unexpected failure of a single component or multiple components connected to the *electricity system*

² [NPCC Directory #1](#)

³ Chapter 5, section 5.2.1: The IESO shall establish and publish security limits to prevent, contain and alleviate the effects of contingency events. Such security limits shall be described in section 5.2.4 and shall be observed by the IESO in the minute-to-minute operation of the IESO-controlled grid.

PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

which the IESO will continue to implement during high-risk operating conditions.

Discussion

It is proposed to amend the market rules, Chapter 5, section 5.10.2.1 “Restoration of System Security Following a Contingency Event” to remove the obligation to restore the IESO-controlled grid within 15 minutes following a contingency event that occurred after the existence of a high risk operating state.

PART 4 – PROPOSED AMENDMENT**Chapter 5****5.10 Restoration of System Security Following a Contingency Event**

- 5.10.1 *Market participants* shall be prepared for, shall be able to manage and shall take such actions as may be necessary to restore *security* of the *IESO-controlled grid* following a *contingency event*, as directed by the *IESO*.
- 5.10.2 The *IESO* shall establish:
- 5.10.2.1 procedures that identify the steps necessary to restore the operation of the *IESO-controlled grid* to an *emergency operating state* respecting corresponding *security limits*, within 30 minutes ~~or, where a high risk operating state existed on some part of the IESO-controlled grid prior to the contingency event, within 15 minutes;~~
 - 5.10.2.2 procedures to attempt to restore supply first to individual loads identified by *market participants* as critical in nature, once the minimum acceptable level of *security* on the *IESO-controlled grid* has been restored; and
 - 5.10.2.3 in consultation with relevant *market participants*, procedures to restore the operation of the *IESO-controlled grid* and of *facilities connected to a transmission system* that forms part of the *IESO-controlled grid* following automatic *outages*.

PART 5 – IESO BOARD DECISION RATIONALE

This amendment will align the IESO with neighbouring jurisdictions who are obligated under NERC and NPCC authority to restore their systems within 30 minutes of a contingency event, including when they are in high-risk operating states.