



## Market Rule Amendment Submission

This form is used to request an amendment to, or clarification of, the *Market Rules*. Please complete the first four parts of this form and submit the completed form by email to the following:

Email Address: [Rule.Amendments@ieso.ca](mailto:Rule.Amendments@ieso.ca)

Attention: Market Rules Group

**Subject: Market Rule Amendment Submission**

All information submitted in this process will be used by the *IESO* solely in support of its obligations under the *Electricity Act, 1998*, the *Ontario Energy Board Act, 1998*, the *Market Rules* and associated policies, standards and procedures and its licence. All submitted information will be assigned the *confidentiality classification* of “Public” upon receipt. You should be aware that the *IESO* will *publish this amendment submission* if the *Technical Panel* determines it warrants consideration and may invite public comment.

Terms and acronyms used in this Form that are italicized have the meanings ascribed thereto in Chapter 11 of the *Market Rules*.

### PART 1 – SUBMITTER’S INFORMATION

Please enter contact information in full.

Name: IESO Staff

(if applicable) *Market Participant /  
Metering Service Provider* No.<sup>1</sup>: N/A

*Market Participant Class:*  
N/A

Telephone: 905-403-6983

Fax: N/A

E-mail Address: Rule.amendments@ieso.ca

### PART 2 – MARKET RULE AMENDMENT SUBMISSION INFORMATION

Subject: System Security Restoration

Title: Eliminate the 15 Minute Restoration Obligation Under a High-Risk Operating State

Nature of Request (please indicate with x)

Alteration       Deletion       Addition       Clarification

Chapter: 5      Appendix: N/A      Sections: 5.10

Sub-sections proposed for amending/clarifying: 5.10.2

<sup>1</sup> This number is a maximum of 12 characters and does not include any spaces or underscore.

## PART 3 – DESCRIPTION OF THE ISSUE

Provide a brief description of the issue and reason for the proposed amendment. If possible, provide a qualitative and quantitative assessment of the impacts of the issue on you and the *IESO-administered markets*. Include the Chapter and Section number of the relevant *market rules*.

### Summary

The IESO proposes to amend the market rules to remove the obligation to restore the IESO-controlled grid (ICG) within 15 minutes following a contingency event that occurred after 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 event<sup>1</sup> 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 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 5.5.4<sup>2</sup>. 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 limits<sup>3</sup>. With the change from a 15 minute to 30 minute obligation to restore the ICG, the IESO will continue to take pre-contingency actions, where available and effective, that can improve the time and success of ICG restoration. The removal of the 15 minute obligation will allow for a more orderly re-preparation. Pre-contingency actions include but are not limited to:

- Re-dispatch of generation or dispatchable load;
- Curtailment of intertie transactions; and
- Changes to the arming of Special Protection Systems (SPS), if applicable.

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,

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

<sup>2</sup> [NPCC Directory #1](#)

<sup>3</sup> [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 – DESCRIPTION OF THE ISSUE**

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

**PART 4 – PROPOSAL (BY SUBMITTER)**

Provide your proposed amendment. If possible, provide suggested wording of proposed amendment.

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.

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**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;~~

**PART 5 – FOR IESO USE ONLY**

*Technical Panel Decision on Rule Amendment Submission:* Warrants consideration

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MR Number: MR-00409

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Date Submitted to *Technical Panel*: June 10, 2014

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Accepted by *Technical Panel* as: (please indicate with x) Date:

General       Urgent       Minor June 17, 2014

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Criteria for Acceptance: The amendment submission will better align the IESO’s operating practices with neighbouring jurisdictions under NPCC and NERC authority.

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Priority: Regular

**PART 5 – FOR IESO USE ONLY**

Criteria for Assigning Priority: The IESO presented the proposed change to the Reliability Standards Standing Committee at the June 5<sup>th</sup> quarterly meeting.

Not Accepted (please indicate with x):

Clarification/Interpretation Required (please indicate with x):

*Technical Panel* Minutes Reference: IESOTP 281-1

*Technical Panel* Comments: \_\_\_\_\_