



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 or fax to the following:

Email Address: Rule.Amendments@theIMO.com

Fax No.: (416) 506-2847 Attention: Market Rules Group

Subject: *Market Rule Amendment Submission*

All information submitted in this process will be used by the *IMO* 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 *IMO* 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: IMO Staff	
(if applicable) <i>Market Participant / Metering Service Provider No.</i> ¹ : N/A	Market Participant Class: N/A
Telephone: 416-506-2801	Fax: 416-506-2847
Email Address: rule.amendments@theimo.com	

PART 2 – MARKET RULE AMENDMENT SUBMISSION INFORMATION

Subject: Market Evolution Program
Title: Multi-interval Optimization – Changes to Dispatch Algorithm
Nature of request (please indicate with X): <input checked="" type="checkbox"/> Alteration <input type="checkbox"/> Deletion <input type="checkbox"/> Addition
Clarification
Chapter: 7 Appendix: 7.5 Sections: 1.1 (App. 7.1) 2.2, 2.3, 2.11, 4. 2, 4.10, 5.1, 6.1, 6.5, 7.6 (App. 7.5)
Sub-sections proposed for amending/clarifying :

¹ 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 *IMO-administered markets*. Include the Chapter and Section number of the relevant market rules.

As part of the Market Evolution Program the IMO has been working with market participants to develop and implement multi-interval optimization (MIO). It is felt there are many benefits that may be realized by the introduction of MIO. For a summary of MIO and its key benefits please refer to MR-00245-Q00. For further information regarding the MIO rule amendments regarding the new obligations and permissions necessary to facilitate the introduction of MIO please refer to MR-00245-Q00.

PART 4 – PROPOSAL (BY SUBMITTER)

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

MR-00246-Q00 proposes to specify in Appendix 7.1 and Appendix 7.5 the changes necessary to facilitate MIO. These changes are directly related those amendments proposed in MR-00245-Q00. The proposed changes are as follows:

Appendix 7.5 – The Market Clearing and Pricing Process

- Section 2.2 to be amended to reflect the new inputs to the dispatch scheduling and pricing process as a result of Multi-Interval Optimization. These include minimum loading point, forbidden regions, and steady state operation.
- Section 2.3 to be amended to reflect proposed changes to the optimization objective. These changes are described in the Multi-Interval Optimization Functional Requirements document located on the IMO's web site at http://www.theimo.com/imoweb/consult/mep_mio.asp
- Section 2.11 to be amended to reflect the inter-temporal linkages proposed in the MIO regime.
- Section 4.2 to be amended to specify the time period used for the DSO will remain a single dispatch period except for Section 5.0 (Objective Function) and Section 6.5 (Ramping).
- Section 4.10 to be modified to reflect the treatment of ramp rates in the real-time dispatch schedule with the introduction of MIO.
- Section 5.1.1 to be amended to specify that MIO will maximize the weighted sum of the net benefits from trades in the dispatch interval and the advisory intervals.
- Section 6.1.8 to be amended to specify that generation facilities which have specified forbidden regions must reflect those regions in their offers.

- Section 6.5 to be amended to specify how the ramping constraints will be factored into the real-time dispatch multi-interval optimization.
- Section 7.6 to be amended to specify that the market constraints for ramping are identical to the ramping dispatch constraints used in the pre-dispatch and the dispatch interval of the real-time multi-interval optimization dispatch.

PART 5 – FOR *IMO* USE ONLY

Technical Panel Decision on Rule Amendment Submission	
MR number: MR-00246-Q00	
Date submitted to Technical Panel: November 25, 2003	
Accepted by Technical Panel as: <input checked="" type="checkbox"/> General <input type="checkbox"/> Urgent Minor (please indicate with X)	Date:
Criteria for acceptance: g) It identifies means to better enable the market to satisfy the market design principles. h) It identifies ways to simplify the market and/or reduce participant or IMO costs.	
Priority: Medium.	
Criteria for assigning priority: a) Pervasiveness of the problem – market inefficiencies caused by the existing Dispatching Scheduling Optimizer are impactful in one way or another on all market participants.	
Not accepted (please indicate with X):	
Clarification/interpretation required (please indicate with X):	
Technical Panel minutes reference: IMTOP 134-1	
Technical Panel Comments:	