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## Market Rule Amendment Submission

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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: 905-855-6445

Fax: 905-855-6371

E-mail Address: [rule.amendments@ieso.ca](mailto:rule.amendments@ieso.ca)

### PART 2 – MARKET RULE AMENDMENT SUBMISSION INFORMATION

Subject: Day-Ahead Calculation Engine

Title: Review of the Day-Ahead Calculation Engine Market Rules

Nature of Request (please indicate with x)

Alteration

Deletion

Addition

Clarification

Chapter: 7 Appendix: 7.5A Sections: 4,5,6

Sub-sections proposed for amending/clarifying: various

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<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 a number of non-material amendments to the market rules to clarify and correct several subscripts, variables, formulas and definitions related to the Day-Ahead Calculation Engine (“DACE”).

**Background**

The 2016 review of the IESO’s Dispatch and Scheduling Optimization (“DSO”<sup>1</sup>) and DACE<sup>2</sup> processes and procedures was completed without qualifications. During the review, nothing came to the attention of the audit firm, PricewaterhouseCoopers (PwC) which would indicate that the algorithms were not operating in accordance with the relevant market rules.

As part of its review, the auditors did, however, identify the need for a number of non-material market rule amendments to clarify several subscripts, variables, formulas and definitions related to DACE calculations. This market rule amendment will correct parameters written in the market rules to ensure that they are used consistently, are clearly defined, and match the current calculation methodologies in the DACE, as well as address other minor amendments such as typographical errors.

**PART 4 – PROPOSAL (BY SUBMITTER)**

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

Amend the market rules in Appendix 7.5A to clarify and correct several subscripts, variables, formulas and definitions related to DACE.

**PART 5 – FOR IESO USE ONLY**

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

MR Number: MR-00428

Date Submitted to *Technical Panel*: August 2, 2016

<sup>1</sup> The DSO tool is the software program that implements the dispatch algorithms, calculates market clearing prices and formulates dispatch instructions for generators and loads.

<sup>2</sup> The DACE tool is the software program that runs the day-ahead dispatch algorithm and is used to optimize day-ahead schedules over a 24-hour period for energy and operating reserves.

**PART 5 – FOR IESO USE ONLY**

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

Date:

General       Urgent       Minor

August 9, 2016

Criteria for Acceptance: The amendment submission warrants consideration as the identified changes meet the following criteria: (a) they identify non-material errors within the market rules; and (b) they identify ambiguity within the market rules.

Priority: Regular

Criteria for Assigning Priority: The need for the proposed non-material changes were identified by auditors as part of the 2016 review of the IESO's DSO and DACE processes.

Not Accepted (please indicate with x):

Clarification/Interpretation Required (please indicate with x):

*Technical Panel* Minutes Reference: IESOTP 299-1

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