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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	<b>MR-00303-R00</b>		
Subject:	<b>Day-Ahead Commitment Process</b>		
Title:	<b>Data Submission – Generation Facility Registration Data</b>		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	7	Appendix:	
Sections:	2.2		
Sub-sections proposed for amending:	2.2.6A, 2.2.6A.1, 2.2.6A.3 (new)		

### PART 2 – PROPOSAL HISTORY

Version	Reason for Issuing	Version Date
1.0	Draft Rules for the Purposes of Technical Panel Discussion	December 2, 2005
2.0	Submitted for Technical Panel Review	December 12, 2005
3.0	Publish for Stakeholder Review and Comment	December 16, 2005
Approved Amendment Publication Date:		
Approved Amendment Effective Date:		

### 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

This amendment proposal specifies the obligations, permissions, and authorities for the IESO and market participants regarding submission of generation facility registration data to support the day-ahead commitment process (DACP). Market participants would be required to provide specified information regarding the operating requirements for the generation facility such as minimum run-time and minimum loading point.

The IESO would be permitted to request, and a generator would be obligated to provide, additional operational information such as start-up time, minimum shut-down time, and maximum number of starts per day.

This information is required so that during the DACP, the IESO is able to schedule the facility consistent with those operating requirements specified in the data provided by the market participant.

It is also proposed to change all references to the IMO in chapter 7 to IESO, to align this chapter of the market rules with the corporation name change under Bill 100.

#### Background

See amendment submission MR-00303-Q00 [http://www.ieso.ca/imoweb/pubs/mr/MR\\_00303-Q00.pdf](http://www.ieso.ca/imoweb/pubs/mr/MR_00303-Q00.pdf) and the day-ahead commitment process design document [http://www.ieso.ca/imoweb/consult/consult\\_isr.asp](http://www.ieso.ca/imoweb/consult/consult_isr.asp).

#### Discussion

It is proposed to amend section 2.2.6A of Chapter 7 of the market rules as follows:

- Amend section 2.2.6A by removing the existing obligation in this section for market participants to register with the IESO the minimum loading point for generation facilities. The permission for market participants to register with the IESO a generation facility's forbidden regions and period of steady operation would be retained. This information would continue to be used for multi-interval optimization. Consequential to this proposal would be the proposed movement of sub-sections 2.2.6A.1 and 2.2.6A.2 to sub-section 2.2.6E and 2.2.6F respectively.
- Insert a new sub-section 2.2.6B to specify an obligation for a registered market participant for a dispatchable generation facility in Ontario that has both a minimum loading point greater than zero megawatts and a minimum run-time greater than one hour to submit this information to the IESO. This information would assist the IESO in ensuring that sufficient internal resources will be on\_line in real\_time to satisfy reliability needs. Market participants would register this data in accordance with the existing facility registration data submission rules and processes.
- Insert a new sub-section 2.2.6C to permit a registered market participant for a dispatchable generation facility that was not obligated in accordance with section 2.2.6B to submit to the

### PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

IESO the facility's minimum loading point to provide this information to the IESO. If the market participant submits this data they shall respect this information when submitting dispatch data. This means the dispatch data submitted must be representative of the physical capabilities of the facility (minimum loading point) so that it will not result in dispatch instructions that cannot be achieved by the facility. If the dispatch data does not reflect this information the IESO is obligated to reject such dispatch data and to provide reasons for such rejection to the market participant.

- Insert a new sub-section 2.2.6D to specify that the IESO may request additional information from market participants pertaining to a specific generation facility and to obligate the market participant to provide this information upon such a request. This information would include the generation facility's start-up time, minimum down time and maximum number of starts per day. The IESO would use this information in the day-ahead commitment process to decide, with the concurrence of the registered market participant, whether or not to constrain on for reliability reasons generation facilities to a schedule that respect the facility's operational requirements or the facility's minimum generation block.
- Replace section 2.2.6A.1 by inserting a new sub-section 2.2.6E to specify the obligation for the IESO to assign default values of zero if no facility specific data (minimum loading point, forbidden region, or period of steady operation) is submitted for a dispatchable generation facility. This assigning of default values is necessary to ensure that multi-interval optimization can continue to function.
- Replace section 2.2.6A.2 by inserting a new sub-section 2.2.6F to specify the obligation for the IESO to respect facility specific data as submitted to it by market participants in its determination of the real-time schedule and day-ahead commitment pre-dispatch schedule in accordance with section 5.8 as described in MR-00304.

### PART 4 – PROPOSED AMENDMENT

2.2.6A A registered market participant for a generation facility may submit the following facility specific information: ~~minimum loading point; forbidden regions; and period of steady operation.~~ If the information regarding ~~forbidden regions~~ is submitted, the market participant shall respect such information when submitting dispatch data for the real-time market. If the dispatch data submitted does not respect such information the ~~IMO~~IESO shall reject the dispatch data submission for the affected resource and for the corresponding dispatch hour or dispatch hours and shall ~~advise provide to~~ the submitting registered market participant ~~accordingly~~the reasons for such rejection.

~~2.2.6A.1 If no facility specific data is submitted to the IMO for the facility's minimum loading point, forbidden regions, or period of steady~~

~~operation in accordance with section 2.2.6A the IMO shall assign default values of zero for those regions.~~

- ~~2.2.6A.2 If facility specific data is submitted to the IMO in accordance with section 2.2.6A the IMO shall respect the data as submitted in its determination of the real-time schedule in accordance with section 4.0~~
- 2.2.6B A registered market participant for a dispatchable generation facility shall submit to the IESO the minimum loading point and the minimum run-time for the generation facility if both the minimum loading point for the facility is greater than zero MW and if the minimum run-time for the facility is greater than one hour.
- 2.2.6C A registered market participant for a dispatchable generation facility may submit the minimum loading point if they did not do so in accordance with section 2.2.6B.
- 2.2.6D The IESO may request and the registered market participant for a dispatchable generation facility shall submit to the IESO the following information for the generation facility:
- start-up time;
  - minimum shut-down time; and
  - maximum number of starts per day.
- ~~2.2.6E If no facility specific data is submitted to the IESO for the facility's minimum loading point, forbidden regions, or period of steady operation in accordance with sections 2.2.6A, and 2.2.6B, and 2.2.6C. the IESO shall assign default values of zero for that data.~~
- 2.2.6F If facility specific data is submitted to the IESO in accordance with sections 2.2.6A, and 2.2.6B, and 2.2.6C the IESO shall respect the data as submitted in its determination of the real-time schedule in accordance with section 4 and day-ahead commitments in accordance with section 5.

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## PART 5 – IESO BOARD COMMENTS






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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00303-R01		
Subject:	Day-Ahead Commitment Process		
Title:	Data Submission – Eligibility for Day-Ahead Generation Cost Guarantee		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	7	Appendix:	
Sections:	2.2		
Sub-sections proposed for amending:	2.2C (new)		

### PART 2 – PROPOSAL HISTORY – PLEASE REFER TO R00

Version	Reason for Issuing	Version Date
Approved Amendment Publication Date:		
Approved Amendment Effective Date:		

### 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

This amendment proposal specifies the requirements for a generation facility to be eligible to receive the day-ahead generation cost guarantee. These eligibility requirements include operational characteristics of the facility (e.g. not a quick-start facility, is a dispatchable facility, is in Ontario), and the provision of cost data to the IESO by the market participant.

#### Background

See amendment submission MR-00303-Q00 [http://www.ieso.ca/imoweb/pubs/mr/MR\\_00303-Q00.pdf](http://www.ieso.ca/imoweb/pubs/mr/MR_00303-Q00.pdf) and the day-ahead commitment process design document [http://www.ieso.ca/imoweb/consult/consult\\_isr.asp](http://www.ieso.ca/imoweb/consult/consult_isr.asp).

#### Discussion

It is proposed to insert a new section 2.2C “Generation Facility Eligibility for the Day-Ahead Generation Cost Guarantee” into Chapter 7 of the market rules as follows:

- Section 2.2C.1 specifies the eligibility requirements for a generation facility to be able to receive the day-ahead generation cost guarantee including: the facility is not a quick-start facility (2.2.C.1.1); the facility is a dispatchable generation facility (2.2.C.1.2); the facility is located within Ontario (2.2C.1.3); and the applying market participant has submitted to the IESO for the generation facility the combined guaranteed costs (combined guaranteed costs means all fuel costs, as defined in the applicable market manual, incurred by a generation facility to achieve synchronization and once synchronized with the IMO-controlled grid to move to the generation facility’s minimum loading point – please note that MR-00304 proposes to modify the existing definition of combined guaranteed costs) and the incremental operating and maintenance costs associated with start-up and operating at its minimum loading point for the minimum run-time. The day-ahead generation cost guarantee includes the incremental operating and maintenance costs while these are not available for the real-time generation cost guarantee. The existing real-time generation cost guarantee program only allows for incremental fuel costs to move to the generation facility’s minimum loading point to be recovered. The additional cost recovery allowance that is proposed for the day-ahead generation cost guarantee is in response to stakeholder concerns that generators may be disincented to accept the day-ahead generator cost guarantee, as they could otherwise be operating at minimum load at a loss as a result of being scheduled in the day-ahead commitment process. Greater encouragement for generators to participate in the day-ahead commitment process is seen as providing a further assurance of the reliable operation of the IESO-controlled grid.
- Section 2.2B.2 specifies the IESO may audit the costs submitted to it to ensure the market was not overpaying for the guaranteed costs. This auditing mirrors that included in the real-time

**PART 3 – EXPLANATION FOR PROPOSED AMENDMENT**

generation cost guarantee and is judged to be necessary since these guaranteed costs would not be subject to market forces and discipline which is the case for energy and operating reserve offers made by the same generators. The risk of being subject to an audit is also judged to be a preventative measure against possible gaming opportunities e.g. a market participant submitting offers with low prices in order to be ensured that they are scheduled and eligible for the guarantee, but then submitting inappropriately high fuel costs to be recovered through the guarantee payment

- Section 2.2C.2 provides the authority necessary for the IESO to audit the costs submitted to it in accordance with section 2.2C.1 to ensure the market was not overpaying for the guaranteed costs.

**PART 4 – PROPOSED AMENDMENT****2.2B Generation Facility Eligibility for the Real-Time Generation Cost Guarantee**

2.2B.1 A market participant for a generation facility shall be eligible for the guarantee of certain elements of its costs, calculated in accordance with section 4.7B of Chapter 9, provided the following criteria are met:

2.2B.1.1 the *facility* is not a *quick-start facility*;

2.2B.1.2 the *facility* is a dispatchable *generation facility*;

2.2B.1.3 the *facility* is located within Ontario; and

2.2B.1.4 the *market participant* has, according to the timelines and in the form specified in the applicable *market manual*, submitted to the ~~IESO~~ the following data for the *generation facility*: *combined guaranteed costs*; *minimum run-time*; and *minimum loading point* and the ~~IESO~~ accepts the data as reasonable.

2.2B.2 The ~~IMO~~IESO may, at any time, audit the data submitted in accordance with section 2.2B.1.4 if the *market participant* receives a generation cost guarantee payment pursuant to section 4.7B.3 of Chapter 9 on the basis of that data. If, as a result of such an audit, the ~~IMO~~IESO determines that the actual costs differed ~~submitted data is inaccurate~~ from the submitted data is inaccurate, the ~~IESO~~ shall recover any resulting over-payments made to the *market participant*.



## **2.2C Generation Facility Eligibility for the Day-Ahead Generation Cost Guarantee**

2.2C.1 A market participant for a generation facility shall be eligible for the guarantee of certain elements of the facility's costs, calculated in accordance with section 4.7D of Chapter 9, provided the following criteria are met:

2.2C.1.1 the facility is not a quick-start facility;

2.2C.1.2 the facility is a dispatchable generation facility;

2.2C.1.3 the facility is located within Ontario; and

2.2C.1.4 the market participant has, according to the timelines and in the form specified in the applicable market manual, submitted to the IESO the following information for the generation facility: the combined guaranteed costs; the minimum loading point; and any incremental operating and maintenance costs associated with the facility start-up and minimum run-time for that facility as determined in the pre-dispatch of record and the IESO accepts the information as reasonable.

2.2C.2 The IESO may, at any time, audit the data submitted in accordance with section 2.2C.1.4 if the market participant receives a day-ahead generation cost guarantee payment under section 4.7D of Chapter 9 on the basis of that data. If, as a result of such an audit, the IESO determines that the actual costs differed from the submitted data, the IESO shall recover any resulting over-payments made to the market participant.

### **PART 5 – IESO BOARD COMMENTS**

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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	<b>MR-00303-R02</b>		
Subject:	<b>Day-Ahead Commitment Process</b>		
Title:	<b>Data Submission</b>		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	7	Appendix:	
Sections:	3.3		
Sub-sections proposed for amending:	3.3.1, 3.3.1A/3.3.1B/3.3.1C/3.3.1D/3.3.1E(new), 3.3.4A, 3.3.4A.1/3.3.4A.2/3.3.4A.3 (new)		

### PART 2 – PROPOSAL HISTORY – PLEASE REFER TO R00

Version	Reason for Issuing	Version Date
Approved Amendment Publication Date:		
Approved Amendment Effective Date:		

## PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

### Summary

This amendment proposal specifies the dispatch data submission requirements for the Day-Ahead Commitment Process.

### Background

See amendment submission MR-00303-Q00 [http://www.ieso.ca/imoweb/pubs/mr/MR\\_00303-Q00.pdf](http://www.ieso.ca/imoweb/pubs/mr/MR_00303-Q00.pdf) and the day-ahead commitment process design document [http://www.ieso.ca/imoweb/consult/consult\\_isr.asp](http://www.ieso.ca/imoweb/consult/consult_isr.asp).

### Discussion

It is proposed to amend section 3.3 “Dispatch Data Submissions” of Chapter 7 of the market rules as follows:

- Insert a new section 3.3A “Dispatch Data Submissions for the Day-Ahead Commitment Process”.
- Insert section 3.3A.1 to specify that when the IESO determines the time periods under section 1.7 (please see MR-00310) during which the day-ahead commitment process shall function section 3.3A shall be in effect. This identifies for market participants the specific section in the market rules where the dispatch data submission permissions and obligations for the day-ahead commitment process are codified.
- Insert section 3.3A.2 to obligate all registered market participants for dispatchable facilities that they intend to operate in real-time on the next day to submit dispatch data to the IESO after 6:00 EST and before 11:00 EST of the pre-dispatch day for each facility. Section 3.3A.2 also specifies that offers for energy-limited resources, where applicable, would also be required to include an identification of the daily energy limits for the facility. In order to allow the IESO to more accurately evaluate the capacity and energy situation of the Ontario power system for the next day, all bid and offer information for these internal facilities expecting to operate the next day must be provided. Allowing facility owners that do not intend to operate their facilities next day the option of not providing dispatch data day ahead was a compromise in the day ahead commitment process design worked out with stakeholders. Stakeholders were opposed to the IESO’s initial proposal of mandatory submission of dispatch data for all dispatchable facilities by 11:00 am of the day ahead.
- Insert section 3.3A.3 to specify that if the dispatch data is not submitted by a registered market participant for a dispatchable generation facility in accordance with section 3.3A.2 it cannot be operated in real-time without the approval of the IESO. The IESO would be permitted to consider such a request but would not be obligated to accept it. This is described below with respect to section 3.3A.12. This provision stems from a stakeholder concern that dispatchable facilities which provide additional load serving capability after the day-ahead commitment process is completed can result in more resources having been offered day-ahead guarantees than necessary (over-commitment) and the resulting potential for downward pressure on real-time price and upward pressure on uplift cost.
- Insert section 3.3A.4 to specify that bids for dispatchable loads would be required to identify all or a portion of their consumption that would be non-dispatchable by submitting dispatch

**PART 3 – EXPLANATION FOR PROPOSED AMENDMENT**

data in accordance with the applicable market manual. Knowledge of the plans of dispatchable loads is as important as that of the generators in producing a reliable schedule for the next day. A day-ahead declaration of non-dispatchable means that the day-ahead commitment process will commit resources to meet that non-dispatchable load. Subsequently revising that declaration may result in an over-committed situation, with the potential for lower energy prices and higher uplift cost.

- Insert section 3.3A.5 to specify that a registered market participant for a boundary entity would be permitted to submit an import offer with a NERC tag identifier after 6:00 EST and before 11:00 EST of the pre-dispatch day but it would not be obligated to do so. This section also specifies if the import offer is scheduled in the day-ahead commitment process it would be eligible to receive the day-ahead intertie offer guarantee. IESO has no authority to require import offer submissions, therefore this remains voluntary.
- Insert section 3.3A.6 to specify all registered market participants for all boundary entities and all generation facilities with the exception of energy-limited resources that submitted offers in accordance with section 3.3A.2 and section 3.3A.5 shall not modify their offers between 11:00 EST of the pre-dispatch day and the publishing of the pre-dispatch schedule from the pre-dispatch of record. Registered market participants with energy-limited resources would be permitted to modify any component of their offers between 11:00 EST and 13:00 EST during the day-ahead commitment process. Allowing energy limited resources to make adjustments to their offers provides an opportunity to let the market solve reliability concerns so that the IESO would not have to step in to make commitment decisions. This is required because of the myopic optimization process of the pre-dispatch algorithm, which is not able to optimize the use of energy limited resources across the entire day as would be the case with a 24-hour optimization process.
- Insert section 3.3A.7 to specify the IESO's obligation to use dispatch data submitted by market participants under section 3.3A.2 and section 3.3A.5 in determining and publishing the initial pre-dispatch schedule in accordance with section 5.

**Revisions to Dispatch Data Submitted for the Day-Ahead Commitment Process**

- Insert section 3.3A.8 to specify that subject to sections 3.3A.9 and 3.3A.11 market participants may submit revised dispatch data without restriction until 2 hours prior to the beginning of the dispatch hour.
- Insert section 3.3A.9 to specify that if a registered market participant for a dispatchable generation facility submitted dispatch data day ahead, it would be permitted to modify the offered quantities any time after the pre-dispatch of record such that the revised quantity in any hour is not higher than that quantity offered day ahead. There are no limitations on the revisions to prices offered. Revised offers which do represent increases in offered energy quantity will require IESO approval. See rationale for section 3.3A.3 above. Changes to daily energy limits will not require IESO approval. The forecast of the daily energy limit for many facilities depends on several variables that can change significantly in a short period of time. In order to have the most accurate and up to date forecast of available energy at all times to assure reliable planning for future hours, it is necessary to allow market participants to update daily energy limits for their energy-limited facilities as conditions change.
- Insert section 3.3A.10 to specify a registered market participant for an hour-ahead dispatchable load can submit revised dispatch data without restriction until 3 hours prior to the dispatch

**PART 3 – EXPLANATION FOR PROPOSED AMENDMENT**

hour.

- Insert section 3.3A.11 to specify that if a registered market participant for a dispatchable load facility declared its intent that any portion of its load would be non-dispatchable in the day-ahead it would require IESO approval to bid after the pre-dispatch of record as dispatchable load for any hour(s) bid as non-dispatchable in the day-ahead. A day-ahead declaration of non-dispatchable means that the day-ahead commitment process will commit resources to meet that non-dispatchable load. Subsequently revising that declaration may result in an over-committed situation, with the potential for lower energy prices and higher uplift cost.
- Insert section 3.3A.12 to specify the IESO's obligation to approve increases to declared availability of dispatchable resources only if a generation or dispatchable load facility returns from outage earlier than planned, if the IESO has solicited additional offers, if such increases will resolve emerging reliability concerns, or if such dispatch data revision is required to avoid violating applicable laws, endangering the safety of any person or damaging property or the environment.

There are also consequential amendments required for sections 3.3.1 and 3.3.3 to facilitate appropriate cross-references.

**PART 4 – PROPOSED AMENDMENT**

## 3. Data Submissions for the Real-Time Markets

### 3.1 Applicability of this Section

3.1.1 A *registered market participant* that intends one or more of its *registered facilities* to be eligible for *dispatch* by the *IMOIESO* for a given *dispatch hour* of a *dispatch day* shall submit to the *IMOIESO* *dispatch data* for each such *registered facility* for such *dispatch hour* in accordance with this section 3.

3.1.2 *Dispatch data* that are revised after initial submission as allowed under the provisions of this section 3 must satisfy all of the requirements that apply to initial *dispatch data* and shall be *dispatch data*.

3.1.3 The *IMOIESO* may restrict the operation of the *market rules* applicable to *hour-ahead dispatchable loads*. The *IMOIESO* shall promptly notify *market*

*participants* of such restrictions, and the reasons for the restrictions. The [IMOIESO](#) shall document any such restrictions in the applicable *market manual*.

## 3.2 The Data Submission Process

- 3.2.1 Each *registered market participant* shall submit its *dispatch data* to the [IMOIESO](#) through the *electronic information system* or, when not available, by such alternative means and/or in such alternative simplified form as may be specified by the [IMOIESO](#) pursuant to section 3.2.2.3.
- 3.2.2 The [IMOIESO](#) shall:
- 3.2.2.1 stamp all *dispatch data* with the time that it was received by the [IMOIESO](#);
  - 3.2.2.2 within five minutes, confirm receipt of all such *dispatch data* through the *electronic information system*; and
  - 3.2.2.3 specify alternative means and/or an alternative simplified form of submitting and confirming *dispatch data* when the *electronic information system* is unavailable.
- 3.2.3 The [IMOIESO](#) shall reject any *dispatch data* that does not comply with the rules set forth in this section 3 and shall provide to the *registered market participant* submitting such rejected *dispatch data* the reasons for such rejection.
- 3.2.4 A *registered market participant* that does not receive from the [IMOIESO](#) confirmation of receipt of *dispatch data* in accordance with section 3.2.2.2 shall immediately contact the [IMOIESO](#) by telephone or facsimile seeking confirmation of receipt.
- 3.2.5 A *registered market participant* shall, if requested by the [IMOIESO](#), resubmit *dispatch data* by such means as may be specified by the [IMOIESO](#) in the request.

## 3.3 Dispatch Data Submissions

- 3.3.1 Subject to ~~section~~ sections 3.3.9 and 3.3A, a *registered market participant* that submits or is required to submit *dispatch data* for the initial *pre-dispatch schedule*, shall submit initial *dispatch data* for each *dispatch hour* of the *dispatch day* after 06:00 EST but before 11:00 EST of each *pre-dispatch day*. Such initial *dispatch data* may thereafter be revised as permitted by this section 3.3.
- 3.3.2 The [IMOIESO](#) shall use the initial *dispatch data* submitted by *registered market participants* to determine and *publish* the initial *pre-dispatch schedule* in accordance with section 5.

3.3.3 Subject to sections 3.3.4A and 3.3A.8, a *registered market participant* may submit revised *dispatch data* with respect to any *dispatch hour* without restriction until 2 hours prior to the beginning of that *dispatch hour*.

3.3.4 [Intentionally left blank]

3.3.4A A *registered market participant* may submit revised *dispatch data* for an *hour-ahead dispatchable load* with respect to any *dispatch hour*, without restriction, until 3 hours prior to that *dispatch hour*.

3.3.5 Except as permitted by sections 3.3.8, 3.3.9.2 and 3.3.11, no *registered market participant* may, without the approval of the *IMOIESO*, submit revised *dispatch data* with respect to any *dispatch hour* within 2 hours of that *dispatch hour* or, in the case of an *hour-ahead dispatchable load*, within 3 hours of that *dispatch hour*.

#### **IMOIESO Approvals of Revised Dispatch Data**

3.3.6 Where pursuant to section 3.3.5, the authorization of the *IMOIESO* is required for the submission of revised *dispatch data*, the *IMOIESO* shall, unless the change in quantity poses risks in relation to the *reliability* or *security* of the *electricity system*, authorize the submission of revised *dispatch data* where:

3.3.6.1 [Intentionally left blank]

3.3.6.2 the revision relates solely to the quantity element of the *dispatch data*; and

3.3.6.3 the *registered market participant* indicates, at the time of the submission of the revised *dispatch data*, that the revision is required in order to reflect a proposed change in the operational status of the *registered facility* designed solely to prevent the *registered facility* from operating in a manner that would violate any *applicable law*, endanger the safety of any person or damage property or the environment.

3.3.7 *Dispatch data* submitted during the *dispatch day* to which it applies need refer only to the remaining *dispatch hours* of that *dispatch day*.

3.3.8 Notwithstanding any other provision of this section 3.3 and with the exception of testing specified in section 6.6 of Chapter 5, a *registered market participant* shall as soon as practical submit to the *IMOIESO* revised *dispatch data* for any *registered facility* in respect of which it is the *registered market participant* if, for any *dispatch hour* in the current *pre-dispatch schedule*, the quantity of any *physical service* scheduled for that *registered facility* differs from the quantity the *registered market participant* reasonably expects to be delivered or withdrawn by more than the greater of (i) 2 percent (ii) such absolute amount as may be determined by the *IMOIESO* based on considerations of *reliability* and *facility* specific characteristics, (iii) in the case of a *cogeneration facility* that is either a *dispatchable* or *self-scheduling generation facility*, such amount based on the



impact that the production of the other forms of useful energy within the *facility* has on *energy* production based on the information outlined in section 2.2.6.10, and the [IMOIESO](#), and (iv) in the case of an *enhanced combined cycle facility* that is either a *dispatchable* or *self-scheduling generation facility*, such amount based on the impact that the recovery of waste heat from an industrial process/processes within the *facility* has on *energy* production based on the information outlined in section 2.2.6.10, and the [IMOIESO](#):

- 3.3.8.1 shall, unless the change in quantity poses risks in relation to the *reliability* or *security* of the *electricity system*, include such change as an input in respect of any subsequent *market schedules* determined following receipt of the change; and
- 3.3.8.2 may refer such changes or revision of *dispatch data* to the *market surveillance panel*.

### Standing Dispatch Data

- 3.3.9 If the *dispatch data* for a *registered facility* for a given *trading day* of a *trading week* will not change from *trading week* to *trading week*, the *registered market participant* for that *registered facility* may, as and for its *dispatch data* described in section 3.3.1, submit standing *dispatch data* for that *registered facility*. Such standing *dispatch data* shall:
  - 3.3.9.1 define the *dispatch data* for each *dispatch hour* of each *dispatch day*;
  - 3.3.9.1A in respect of each *dispatch day* for which it is in effect, be deemed for the purposes of this section 3.3 to be initial *dispatch data* at 06:00 EST on the *pre-dispatch day*; and
  - 3.3.9.2 remain in effect until the expiration date specified in the standing *dispatch data* unless earlier withdrawn or earlier revised by the *registered market participant*:
    - a. as standing *dispatch data* prior to 06:00 EST on the *pre-dispatch day*; or
    - b. in accordance with sections 3.3.3 to 3.3.8.

### [IMOIESO](#) Authorities to Direct Submission or Revision of Dispatch Data

- 3.3.10 Notwithstanding sections 3.3.3, 3.3.4, 3.3.5 and 3.3.8, where the [IMOIESO](#) determines, on the basis of the initial *pre-dispatch schedule* or any subsequent *pre-dispatch schedule* determined in accordance with section 5, that a revision to *dispatch data* will not allow it to maintain the *reliability* of the [IMOIESO](#)-controlled grid, the [IMOIESO](#) may, subject to sections 3.3.15 and 3.3.16:
  - 3.3.10.1 refuse to accept a revision to the quantity element of *dispatch data* submitted by a *registered market participant*; or

- 3.3.10.2 direct a *registered market participant* to submit or to resubmit a revision to the quantity element of its *dispatch data*, or both. The [IMOIESO](#) shall notify the *registered market participant* of a refusal referred to in section 3.3.10.1 and shall include in any direction issued pursuant to section 3.3.10.2 a description of the revised *dispatch data* to be submitted or resubmitted by the *registered market participant*.
- 3.3.10A A *registered market participant* in respect of a *transitional scheduling generator* may treat a direction referred to in section 3.3.10.2 that means an increase in the quantity element of its *dispatch data* as a request and shall confirm with the [IMOIESO](#) its intention to comply or not comply with the request issued. If the *registered market participant* indicates its intentions are not to comply with the direction, the *registered market participant* shall provide the reasons for non-compliance to the [IMOIESO](#).
- 3.3.11 A *registered market participant* to which a direction has been issued pursuant to section 3.3.10.2 shall submit revised *dispatch data* to the [IMOIESO](#) in accordance with the terms of the direction within 2 hours of the time of receipt of the direction.
- 3.3.12 If the [IMOIESO](#) determines, on the basis of the initial *pre-dispatch schedule* or any subsequent *pre-dispatch schedule* determined in accordance with section 5, that it requires the supply of *energy*, *ancillary services*, other than *contracted ancillary services*, or both from additional *registered facilities* in order to maintain the *reliability* of the [IMOIESO](#)-controlled grid, the [IMOIESO](#) shall determine if there are additional *registered facilities* that have not submitted *dispatch data* and that can, to the [IMOIESO](#)'s knowledge, be made available within the time required in order to help maintain the *reliability* of the [IMOIESO](#)-controlled grid.
- 3.3.13 Subject to sections 3.3.14 to 3.3.16, the [IMOIESO](#) may direct the *registered market participant* for an additional *registered facility* identified pursuant to section 3.3.12 to submit *dispatch data*, and shall include in such direction a description of the *dispatch data* to be submitted by the *registered market participant*.
- 3.3.14 A *registered market participant* to which a direction is issued pursuant to section 3.3.13 shall submit *dispatch data* to the [IMOIESO](#) in accordance with the terms of the direction within 2 hours of the time of receipt of the direction.
- 3.3.15 The [IMOIESO](#) shall not issue a direction pursuant to section 3.3.10 or 3.3.13 for the purposes of addressing a lack of overall *adequacy* of the [IMOIESO](#)-controlled grid.
- 3.3.16 Where a *registered facility* to which a direction issued pursuant to section 3.3.10.2 or 3.3.13 relates has a *reliability must-run contract* with the [IMOIESO](#), any such direction shall, subject to the time period for the submission of *dispatch data*

referred to in sections 3.3.11 and 3.3.14, be consistent with the terms of such *reliability must-run contract*.

- 3.3.17 Nothing in sections 3.3.10 to 3.3.16 shall preclude the application of the provisions of sections 7.3.2.3 or of Appendix 7.6 in respect of *dispatch data* that is revised or submitted in accordance with sections 3.3.10 to 3.3.16.
- 3.3.18 A *registered market participant* may, for any one or more of its *registered facilities* that is a *dispatchable load*, identify all or a portion of the consumption at such *registered facilities* as *non-dispatchable load* by submitting *dispatch data* in accordance with the applicable *market manual*.

### **3.3A Dispatch Data Submissions for the Day-Ahead Commitment Process**

- 3.3A.1 For the time periods specified in accordance with section 1.7 defining when the day-ahead commitment process shall function this section 3.3A shall be in effect.
- 3.3A.2 Subject to the standing *dispatch data* provisions of section 3.3.9, each *registered market participant* that intends its *dispatchable generation facility* or *dispatchable load facility* to be eligible for *dispatch* by the *IESO* for a given *dispatch hour* of a *dispatch day* shall, after 06:00 EST but before 11:00 EST of the *pre-dispatch day*, submit *dispatch data* for those *dispatch hours* of the *dispatch day* including, where applicable, the daily *energy limit* for the *facility* for the *dispatch day*. The *registered market participant* may then only revise such initial *dispatch data* as permitted by this section 3.3A.
- 3.3A.3 If a *registered market participant* for a *dispatchable generation facility* does not provide *dispatch data* in accordance with section 3.3A.2 the *facility* shall not operate in real-time without the approval of the *IESO* under section 3.3A.12.
- 3.3A.4 A *registered market participant* for a *dispatchable load facility* may, in the *dispatch data* submitted under section 3.3A.2, identify all or a portion of the consumption at such *registered facility* as *non-dispatchable load* in accordance with the applicable *market manual*.
- 3.3A.5 A *registered market participant* for a *boundary entity* may submit an *import offer* for the next *dispatch day* with a valid NERC tag identifier between 6:00 EST and 11:00 EST of the *pre-dispatch day*. If the *import offer* is included in the constrained schedule from the *pre-dispatch of record* determined under section 5.8 the *registered market participant* will receive the day-ahead *intertie offer* guarantee determined under section 3.8A of Chapter 9.
- 3.3A.6 Except for *energy-limited resources*, all *registered market participants* for all *boundary entities* and *generation facilities* that submitted *offers* in accordance with either section 3.3A.2 or section 3.3A.5 shall not modify those *offers* between 11:00 EST and the release of the constrained schedule from the *pre-dispatch of record*. *Offers* from *registered market participants* for *energy-limited resources*

- may be modified between 11:00 EST to 13:00 EST in accordance with the applicable *market manual*.
- 3.3A.7 The IESO shall use the initial *dispatch data* submitted by *registered market participants* under sections 3.3A.2 and 3.3A.5 to determine and *publish* the initial *pre-dispatch schedule* in accordance with section 5.
- Market Participant Revisions to Dispatch Data**
- 3.3A.8 Subject to sections 3.3A.9 and 3.3A.11, after the IESO releases the constrained schedules from the *pre-dispatch of record* a *registered market participant* may submit revised *dispatch data* with respect to any *dispatch hour* without restriction until 2 hours prior to the beginning of that *dispatch hour*.
- 3.3A.9 A *registered market participant* for a *dispatchable generation facility* that did submit *dispatch data* under section 3.3A.2 may revise its *offer* in real-time provided the revised *dispatch data* does not increase the offered quantity in any hour relative to the *dispatch data* submitted under section 3.3A.2. *Registered market participants* may revise prices offered. Revised *offers* which represent increases to the hours, or increases to the offered quantity relative to the *dispatch data* submitted under section 3.3A.2 will require IESO approval. Changes to daily *energy limits* will not require IESO approval.
- 3.3A.10 A *registered market participant* may submit revised *dispatch data* for an *hour-ahead dispatchable load* with respect to any *dispatch hour*, without restriction, until 3 hours prior to that *dispatch hour*.
- 3.3A.11 A *registered market participant* for a *dispatchable load facility* that declared its intent for all or a portion of its consumption to be non-*dispatchable* under sections 3.3A.2 and 3.3A.4 will require IESO approval to increase its declared quantity and *bid* that consumption in real-time as *dispatchable load*.
- 3.3A.12 The IESO shall approve increases to declared availability of a *dispatchable facility* if that *generation facility* or *dispatchable load facility* returns from outage earlier than planned, or if the IESO has solicited additional *offers* and *bids*, or if such increases will avoid an *emergency operating state* or *high-risk operating state*, or as permitted under section 3.3.6.3.

## PART 5 – IESO BOARD COMMENTS

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**PART 5 – IESO BOARD COMMENTS**

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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00303-R03		
Subject:	Day-Ahead Commitment Process		
Title:	Data Submission – Self-Scheduling Generators, Intermittent Generators, Transitional Scheduling Generators		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	7	Appendix:	
Sections:	3.7, 3.8, 3.8A		
Sub-sections proposed for amending:	3.7.1, 3.8.1, 3.8A.1		

### PART 2 – PROPOSAL HISTORY - PLEASE REFER TO R00

Version	Reason for Issuing	Version Date
Approved Amendment Publication Date:		
Approved Amendment Effective Date:		

## 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

This amendment proposal clarifies revised obligations for the dispatch data submission requirements for the day-ahead commitment process for market participants that have self-scheduling generators, intermittent generators, and transitional scheduling generators.

### Background

See amendment submission MR-00303-Q00 [http://www.ieso.ca/imoweb/pubs/mr/MR\\_00303-Q00.pdf](http://www.ieso.ca/imoweb/pubs/mr/MR_00303-Q00.pdf) and the Day-Ahead Commitment Process design document [http://www.ieso.ca/imoweb/consult/consult\\_isr.asp](http://www.ieso.ca/imoweb/consult/consult_isr.asp).

### Discussion

It is proposed to amend the market rules in section 3.7, 3.8, and 3.9 by inserting sections 3.7.3, 3.8.2, and 3.8A.2 respectively to obligate self-scheduling generators, intermittent generators, and transitional scheduling generators to provide their schedules to the IESO after 6:00 EST and before 11:00 EST of the pre-dispatch day when the IESO has specified the times during which the day-ahead commitment process shall function. Expected production from all internal generation facilities must be provided to the IESO, in order to allow the IESO to accurately evaluate the expected operation of the Ontario power system for the next day,

## PART 4 – PROPOSED AMENDMENT

### 3.7 Self-Scheduling Generators

3.7.1 A registered market participant for a registered facility that is a self-scheduling generation facility shall submit *dispatch data* indicating the amount of energy that the registered market participant reasonably expects to be provided by that self-scheduling generation facility in each *dispatch hour*. Such *dispatch data* shall:

- 3.7.1.1 be submitted to the *IMOIESO* in such form as may be specified by the *IMOIESO*, which form shall require, at a minimum, provision of all of the information specified in Appendix 7.1; and

3.7.1.2 comply with section 3.4.4A.

3.7.2 A *registered market participant* for a *registered facility* that is a self-scheduling cogeneration facility or self-scheduling enhanced combined cycle facility shall ensure its facility operates in accordance with its *dispatch data* within the tolerances for updating *dispatch data* outlined in section 3.3.8.

3.7.3 For the time periods specified in accordance with section 1.7 defining when the day-ahead commitment process shall function, a registered market participant for a registered facility that is a self-scheduling generation facility shall submit dispatch data after 6:00 EST but before 11:00 EST of the pre-dispatch day in accordance with sections 3.7.1.1 and 3.7.1.2.

## 3.8 Intermittent Generators

3.8.1 A *registered market participant* for a *registered facility* that is an *intermittent generator* shall submit *dispatch data* indicating its best forecast of the amount of energy that the *intermittent generator* will inject in each *dispatch hour*. Such *dispatch data* shall:

3.8.1.1 be submitted to the [IMOIESO](#) in such form as may be specified by the [IMOIESO](#), which form shall require, at a minimum, provision of all of the information specified in Appendix 7.1; and

3.8.1.2 comply with section 3.4.4A.

3.8.2 For the time periods specified in accordance with section 1.7 defining when the day-ahead commitment process shall function, a registered market participant for a registered facility that is an intermittent generator shall submit dispatch data after 6:00 EST but before 11:00 EST of the pre-dispatch day indicating its best forecast of the amount of energy that the intermittent generator will inject in each dispatch hour of the next dispatch day in accordance with section 3.8.1.

## 3.8A Transitional Scheduling Generators

3.8A.1 A *registered market participant* for a *registered facility* that is a *transitional scheduling generator* shall submit *dispatch data* indicating its forecast of the amount of energy that the *transitional scheduling generator* will inject in each *dispatch hour* of the *dispatch day*. Such *dispatch data* shall be submitted to the [IMOIESO](#) for the initial *pre-dispatch schedule* in accordance with section 3.3.1 and in such form as may be specified by the [IMOIESO](#).



3.8A.2 For the time periods specified in accordance with section 1.7 defining when the day-ahead commitment process shall function, a registered market participant for a registered facility that is a transitional scheduling generator shall submit dispatch data after 6:00 EST but before 11:00 EST of the pre-dispatch day indicating its forecast of the amount of energy that the transitional scheduling generator will inject in each dispatch hour of the next dispatch day in accordance with section 3.8A.1.

**PART 5 – IESO BOARD COMMENTS**

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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00303-R04		
Subject:	Day-Ahead Commitment Process		
Title:	Data Submission – Real-Time Scheduling of Facilities Eligible for the Day-Ahead Generation Cost Guarantee		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	7	Appendix:	
Sections:	6.3		
Sub-sections proposed for amending:	6.3B (new)		

### PART 2 – PROPOSAL HISTORY - PLEASE REFER TO R00

Version	Reason for Issuing	Version Date
Approved Amendment Publication Date:		
Approved Amendment Effective Date:		

**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**

This amendment proposal clarifies the implications for the de-commitment of generation facilities that were committed under the day-ahead commitment process with respect to the eligibility requirements for the day-ahead generation cost guarantee.

**Background**

See amendment submission MR-00303-Q00 [http://www.ieso.ca/imoweb/pubs/mr/MR\\_00303-Q00.pdf](http://www.ieso.ca/imoweb/pubs/mr/MR_00303-Q00.pdf) and the day-ahead commitment process design document [http://www.ieso.ca/imoweb/consult/consult\\_isr.asp](http://www.ieso.ca/imoweb/consult/consult_isr.asp).

**Discussion**

It is proposed to insert a new section 6.3B into Chapter 7. This section specifies that if the IESO de-commits for reliability reasons a committed generation facility before the end of its minimum run-time and the facility was eligible to receive the day-ahead generation cost guarantee it shall remain eligible to receive these payments and it may apply to the IESO for additional compensation under section 4.7E Chapter 9 for costs associated with unused fuel. This section also specifies if a generation facility is de-committed before the end of its minimum run-time due to a request from the facility's operator, then it does not remain eligible to receive payments under the day-ahead generation cost guarantee. Under this circumstance the registered market participant would not be permitted to apply to the IESO for additional compensation under section 4.7E of Chapter 9 for costs associated with unused fuel.

**PART 4 – PROPOSED AMENDMENT****6.3A Real-Time Scheduling of Generation Facilities Eligible for the Generation Cost Guarantee**

- 6.3A.1 After the *registered market participant* for a *generation facility* eligible for the generation cost guarantee notifies the *IMOIESO* of its intent to synchronise pursuant to section 5.7 of Chapter 7, that *generation facility* shall synchronise, unless otherwise agreed to by the *IMOIESO*, before the end of the specified *dispatch hour* and, subject to section 6.3A.3, run for the *minimum run-time*.

- 6.3A.2 The IMOIESO shall, unless there is an adverse impact on the *reliable* operation of the IMOIESO-controlled grid, if necessary to respect the *minimum run-time* submitted by the *market participant* for the *generation facility*, constrain on the *facility* at its *minimum loading point* for the specified *minimum run-time*.
- 6.3A.3 If the IMOIESO, for reasons of *reliability*, constrains off the *generation facility* such that the *generation facility* has to de-synchronise before the end of its *minimum run-time*, the *generation facility* shall remain eligible for the generation cost guarantee.

### **6.3B Real-Time Scheduling of Generation Facilities Eligible for the Day-Ahead Generation Cost Guarantee**

- 6.3B.1 If the IESO, for reasons of reliability, requires a generation facility that was eligible for the day-ahead generation cost guarantee under section 2.2C and that has accepted the day-ahead generation cost guarantee to either desynchronize from the IESO-controlled grid or to not synchronize to the IESO-controlled grid such that the generation facility does not meet its minimum run-time requirements, the generation facility shall remain eligible for the day-ahead generation cost guarantee. The registered market participant for the generation facility may also apply to the IESO for additional compensation under section 4.7E.1 of Chapter 9.
- 6.3B.2 If a generation facility that was eligible for the day-ahead generation cost guarantee under section 2.2C and that has accepted the day-ahead generation cost guarantee does not meet its minimum run-time requirements due to reasons not specified in section 6.3B.1 then the facility shall not remain eligible for the day-ahead generation cost guarantee nor shall the registered market participant for the generation facility be eligible to apply to the IESO for additional compensation under section 4.7E.1 of Chapter 9.

#### **PART 5 – IESO BOARD COMMENTS**

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## Market Rule Amendment Proposal

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### PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00303-R05		
Subject:	Day-Ahead Commitment Process		
Title:	Data Submission - Definitions		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	11	Appendix:	
Sections:			
Sub-sections proposed for amending:			

### PART 2 – PROPOSAL HISTORY - PLEASE REFER TO R00

Version	Reason for Issuing	Version Date
Approved Amendment Publication Date:		
Approved Amendment Effective Date:		

**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**

This amendment proposal makes clear the dispatch data submission requirements for the day-ahead commitment process.

**Background**

See amendment submission MR-00303-Q00 [http://www.ieso.ca/imoweb/pubs/mr/MR\\_00303-Q00.pdf](http://www.ieso.ca/imoweb/pubs/mr/MR_00303-Q00.pdf) and the day-ahead commitment process design document [http://www.ieso.ca/imoweb/consult/consult\\_isr.asp](http://www.ieso.ca/imoweb/consult/consult_isr.asp).

**Discussion**

It is proposed to amend the market rules in Chapter 11 by inserting two new defined terms. ‘Start-up time’ and ‘minimum shut-down time’ are two specific types of information which the IESO may require from market participants during the day-ahead commitment process to assure the reliable operation of the IESO-administered grid. The proposed rule amendment is section 2.2.6D which is contained in MR-00303-R01.

**PART 4 – PROPOSED AMENDMENT**

*start-up time* means the time in hours required to bring a *generation unit* on line. This is measured from the time of receiving a request to start the *generation unit* to the time of synchronization;

*minimum shut-down time* means the minimum time in hours between shutdown and start-up of a *generation unit*. This is measured from the time of de-synchronization from the *IESO-controlled grid* to the time of re-synchronization on start-up;

**PART 5 – IESO BOARD COMMENTS**

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