

ISO Rules

Part 500 Facilities

Division 503 Technical & Operating Requirements

Section 503.21 Reporting Facility Modelling Data



Applicability

- 1 Section 503.21 applies to:
 - (a) the **legal owner** of a **transmission facility**;
 - (b) the **legal owner** of an **aggregated facility** directly connected to the **transmission system**;
 - (c) the **legal owner** of a **generating unit** directly connected to the **transmission system**;
 - (d) the **legal owner** of an industrial complex directly connected to the **transmission system**;
 - (e) the **legal owner** of an **electric distribution system**;
 - (f) the **legal owner** of an **energy storage resource** directly connected to the **transmission system**; and
 - (g) the **ISO**.

Requirements

Submission of Data Related to a New Facility, or a Planned Modification to, or Re-rating of, an Existing Facility

2(1) The **ISO** must post a list of electrical and physical parameters for the modelling data and records that are to be submitted to the **ISO** in accordance with this Section 503.21 to the AESO website, which may be amended from time to time in accordance with subsection 7.

(2) A **legal owner** must, subject to subsection 3, submit to the **ISO** the modelling data and records related to new equipment, machinery or other facility components or a planned modification to, or re-rating of, any existing equipment, machinery or other facility components set out in the list of electrical and physical parameters provided to the **legal owner** by the **ISO** in accordance with subsection 2(1).

(3) The modelling data and records described in subsection 2(2) must be submitted to the **ISO** in writing, in the forms provided by the **ISO**, no later than **30 days** prior to the proposed date of energization of new equipment, machinery or other facility components or the modification of existing equipment, machinery or other facility components, or **30 days** prior to the application of new ratings to existing equipment, machinery or other facility components, unless otherwise specified by the **ISO**.

(4) The **ISO** may notify the **legal owner**, in writing, of any deficiencies the **ISO** identifies regarding the modelling data and records submitted pursuant to subsection 2(3).

(5) A **legal owner** that receives a written notice under subsection 2(4) must respond to the **ISO**, in writing, and, where necessary, resubmit the modelling data and records provided under subsection 2(3) no later than **30 days** after receipt of the written notice.

Submission of Data Related to an Urgent and Unplanned Modification to, or Re-rating of, an Existing Facility

3(1) Where a **legal owner** makes a modification to, or re-rating of, any existing equipment, machinery or other facility components set out in the list of electrical and physical parameters provided to the **legal owner** by the **ISO** in accordance with subsection 2(1) on an urgent and unplanned basis, including an unplanned **transmission facility** limit change described in Section 304.6 of the **ISO rules**, *Unplanned Transmission Facility Limit Changes*, and such modification or re-rating precludes the **legal owner** from

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complying with the submission timing requirements of subsection 2(3), then the **legal owner** must, within **3 business days** after making the modification or re-rating, or within a shorter period of time as deemed necessary by the **ISO** in its sole discretion, submit the following information to the **ISO** in writing:

- (a) a description of the modification or re-rating made to each piece of equipment, machinery or other facility component;
- (b) the reason for the modification or re-rating;
- (c) the period of time the modification or re-rating will be in effect; and
- (d) the modelling data and records related to the modification or re-rating.

(2) A **legal owner** must, if it does not have the specific modelling data and records available to meet the **3 business days** requirement in subsection 3(1)(d), notify the **ISO** in writing within **3 business days** after making the modification or re-rating, and submit these records to the **ISO**, in writing, as they become available.

(3) A **legal owner** is not required, notwithstanding subsection 3(1), to submit modelling data and records for a mobile transformer if:

- (a) the **legal owner** is setting up a mobile transformer to address an urgent or unplanned situation; and
- (b) the mobile transformer is energized for less than **15 days**.

Reporting of Errors by the Legal Owner

4(1) If a **legal owner** identifies an error in any modelling data and records maintained by the **ISO** of the type described in subsection 2(2), the **legal owner** must provide the **ISO** with written notice of the error and corrections to the modelling data and records no later than **30 days** after the date the **legal owner** identifies the error.

(2) The **ISO** must review a written notice submitted pursuant to subsection 4(1) and may notify the **legal owner** in writing of any additional information the **ISO** requires to correct the error.

(3) A **legal owner** must respond to a written notice received from the **ISO** under subsection 4(2) and submit to the **ISO**:

- (a) any additional requested information, or
- (b) a description of the reasons for which the **legal owner** cannot provide the additional requested information,

no later than **30 days** after receipt of the written notice.

Reporting of Suspected Errors by the ISO

5(1) If the **ISO** identifies a suspected error within any modelling data and records maintained by the **ISO** of the type described in subsection 2(2), the **ISO** may provide the applicable **legal owner** with written notice of the suspected error, which notice must include a description of the reasons for which the **ISO** suspects an error.

(2) The **legal owner** must review the written notice received pursuant to subsection 5(1) and provide a written response to the **ISO** no later than **30 days** after the receipt of the written notice which either:

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- (a) confirms the error and provides the necessary corrections to the modelling data and records; or
- (b) provides a sufficient explanation of the reasons for which the **ISO's** determination of the suspected error was inaccurate or incorrect.

(3) If the **ISO** is not satisfied with a response provided by a **legal owner** pursuant to subsection 5(2) or 5(4), it may notify the **legal owner** in writing, which notice must specify the reasons for which the **ISO** is not satisfied with the response.

(4) A **legal owner** must, if it receives a notice from the **ISO** under subsection 5(3), submit an updated response no later than 30 **days** after receipt of the notice.

Provision of Modelling Data and Records by a Legal Owner

6(1) The **ISO** may make a written request of a **legal owner** identified in subsection 1 for modelling data and records.

(2) The **ISO** may, notwithstanding subsections 2(1) and (2), make a request under subsection 6(1) for modelling data and records that are not included on the **ISO's** list of electrical and physical parameters.

(3) A **legal owner** must respond to a request received from the **ISO** under subsection 6(1) and submit to the **ISO** in writing:

- (a) the requested modelling data and records, or
- (b) a description of the reasons for which the **legal owner** cannot provide the requested modelling data and records,

no later than 30 **days** after receipt of the request.

Revision to the List of Electrical and Physical Parameters

7 The **ISO** must, to amend the list of electrical and physical parameters posted to the AESO website in accordance with subsection 2(1):

- (a) notify and seek comments from the Transmission Data Committee, or its successor, regarding the amendments to the list of electrical and physical parameters;
- (b) notify **market participants** no less than 30 **days** in advance of the amended list of electrical and physical parameters coming into effect; and
- (c) post the amended list of electrical and physical parameters to the AESO website on the effective date.

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Revision History

Date	Description
2024-04-01	Amended, as approved in Commission Decision 28176-D01-2023 issued on June 13, 2023. See <i>Table of Concordance for the Transition from Division 502 to Division 503</i> on www.aeso.ca for further information regarding the change from Division 502 – Technical Requirements to Division 503 – Technical and Operating Requirements
2019-12-11	Removed duplication with new Section 103.14, Waivers and Variances; standardized functional specifications language; capitalized references to “Section”.
2016-07-26	Initial release