

# ISO Rules

## Part 500 Facilities

### Division 503 Technical & Operating Requirements

#### Section 503.18 Operation and Maintenance of Facilities

##### Applicability

- 1 Section 503.18 applies to:
- (a) the **legal owner** and **operator** of a **generating unit, aggregated facility, or energy storage resource** that is directly connected to the **transmission system** or to **transmission facilities** within the City of Medicine Hat, including a **generating unit, aggregated facility, or energy storage resource** situated within an industrial complex that is directly connected to the **transmission system**;
  - and
  - (b) the **ISO**.

##### Requirements

##### Operation and Maintenance

- 2(1) This subsection 2 does not apply to:
- (a) excitation systems;
  - (b) **automatic voltage regulators**; or
  - (c) power system stabilizers.
- (2) The **legal owner** must operate and maintain the **generating unit, aggregated facility, or energy storage resource** to comply with the applicable technical design requirements of Division 503 of the **ISO rules** for so long as the **generating unit, aggregated facility, or energy storage resource** remains electrically connected.
- (3) The **operator** must, if it determines that any equipment required to meet the technical design requirements of an applicable **ISO rule** has become unavailable or is otherwise no longer meeting those requirements, notify the **ISO**, in writing, in accordance with subsection 2(4) no later than one **business day** after making such a determination.
- (4) The **operator** must include the following information in the notification to the **ISO** under subsection 2(3):
- (a) a description of the cause of the equipment unavailability or the reason that the equipment no longer meets the technical design requirements;
  - (b) a plan to address the issue identified under subsection 2(3), including testing; and
  - (c) the expected date and time at which the issue identified under subsection 2(3) will be resolved.
- (5) The **operator** must, if the issue identified under subsection 2(3) is not resolved by the expected date and time provided in accordance with subsection 2(4), notify the **ISO** in writing, no later than one **business day** after the original expected date and time, of the reason why the issue was not resolved by the expected date and time, and provide the **ISO** with a revised date and time under subsection 2(4)(c).
- (6) The **operator** must notify the **ISO** no later than one **business day** after the issue identified under subsection 2(3) has been resolved.

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(7) The **operator** of:

- (a) multiple **generating units** or synchronous **energy storage resources** within a single complex; or
- (b) an **aggregated facility** containing an **energy storage resource**;

must, as soon as practicable, verbally notify the **ISO** when it determines that the auxiliary systems are configured such that multiple **generating units** or **energy storage resources** will trip or go off-line for a single **contingency** within the facility, such that it is being operated contrary to subsection 2 of Section 503.9 of the **ISO rules**, *Auxiliary Systems*.

(8) The **legal owner** must, if the **ISO** provides written notice detailing evidence that the observed performance of the **generating unit**, **aggregated facility**, or **energy storage resource** is not consistent with any of the applicable requirements set out in Division 503 of the **ISO rules**, submit to the **ISO** a written report demonstrating that the **generating unit**, **aggregated facility**, or **energy storage resource** is capable of meeting those requirements.

(9) The **legal owner** must submit a report no later than 60 **business days** after receipt of the written notice described in subsection 2(8).

(10) The **legal owner** is not required, notwithstanding subsections 2(8) and 2(9), to provide the report if, between the date the **ISO** delivers the written notice and the deadline date for the submission of the report:

- (a) the **legal owner** demonstrates to the satisfaction of the **ISO** that the failure to perform in accordance with the requirements set out in Division 503 of the **ISO rules**, was caused by equipment issues with the **generating unit**, **aggregated facility**, or **energy storage resource** that the **legal owner** corrected no later than 60 **business days** after receipt of the written notice described in subsection 2(8); and
- (b) the **ISO** provides written notice to the **legal owner** that the report is not required.

#### Operating Data Requests from the ISO

3(1) The **ISO** may request, by way of written notice, operating data from the **legal owner**, including the records described in Section 503.13 of the **ISO rules**, *Synchrophasor Measurement System* and Section 503.14 of the **ISO rules**, *Sequence of Events Monitoring*.

(2) The **legal owner** must:

- (a) submit the operating data requested by the **ISO**, if available, no later than 5 **business days** after receipt of the notice under subsection 3(1); or
- (b) if the operating data requested by the **ISO** is not available, advise the **ISO** in writing no later than 5 **business days** after receipt of the notice set out in subsection 3(1).

#### Operator Availability

4 The **legal owner** must have designated personnel available 24 hours a **day** every **day** of the calendar year for contact and communication with the **ISO**, in accordance with all applicable **ISO rules** and **reliability standards**.

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##### Revision History

| Date       | Description                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 2026-07-10 | Amendment to correct inadvertent omission of subsection 3(2)(b) during Energy Storage ISO rule amendments and to correct formatting. |
| 2024-04-01 | Initial release.                                                                                                                     |