

ISO Rules

Part 500 Facilities

Division 503 Technical & Operating Requirements

Section 503.14 Sequence of Events Monitoring



Applicability

- 1 Section 503.14 applies to:
 - (a) the **legal owner** 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**.

Requirements

Internal Sequence of Event Monitoring

2(1) The **legal owner** must have an internal sequence of event monitoring system that initiates an event record for every event that results in a trip of the **generating unit, aggregated facility, or energy storage resource**.

(2) The **legal owner** must ensure that the event record referenced in subsection 2(1) includes the status or action of the following key components, if present:

- (a) **governor system**;
- (b) **automatic voltage regulator or voltage regulating system**, including:
 - (i) over-excitation limiter; and
 - (ii) under-excitation limiter;
- (c) medium and low voltage switchgear and motor control centre protection;
- (d) key auxiliary components, including:
 - (i) induced draft and forced draft fans;
 - (ii) boiler feed water pumps;
 - (iii) turbine inlet valves;
 - (iv) medium and low voltage switchgear and motor control centres;

and

- (e) mechanical protection.

(3) The **legal owner** must design a sequence of event monitoring system that is capable of downloading and retaining the recordings set out in subsection 2(1) for a period of not less than one calendar year from the date of the initial recording.

(4) The **legal owner** must ensure that the sequence of event monitoring system is synchronized to within one millisecond of Coordinated Universal Time.

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Data Retention for Sequence of Event Records

3 The **legal owner** must retain the sequence of event records for a minimum period of one calendar year.

Revision History

Date	Description
2024-04-01	Initial release.