

Information Document

Synchrophasor Measurement System

ID# 2012-028R



Information documents are not authoritative. Information documents are provided for information purposes only and are intended to provide guidance. In the event of any discrepancy between an information document and any authoritative document¹ in effect, the authoritative document governs.

1 Purpose

This information document relates to the following authoritative document:

- Section 503.13 *Synchrophasor Measurement System*

2 Contacting the AESO

Subsection 7(1) of Section 503.13 sets out certain requirements for a legal owner of a generating unit, legal owner of an aggregated facility, or legal owner of a transmission facility to notify the AESO. For notifications in relation to a synchrophasor measurement unit which streams data to the AESO, the appropriate party to contact is the AESO's System Controller by phone followed by an email to EMS_SCADA@aeso.ca. For notifications in relation to a synchrophasor measurement unit which does not stream data to the AESO, contact the AESO by an email to EMS_SCADA@aeso.ca.

3 Synchrophasor Measurement Unit Functionality

Subsection 4 of Section 503.13 does not require a dedicated synchrophasor unit. As a result, it is acceptable to use protection relays that have synchrophasor measurement functionality provided that they meet the requirements of Section 503.13.

4 Data Storage and Streaming

In accordance with subsection 6(2) of Section 503.13, the AESO determines whether a legal owner is required to stream data based on the AESO's reliability needs and communicates such requirement in the functional specifications of the project. A legal owner that is required to stream data to the AESO is not required to store the streamed data. In this case, the AESO is solely responsible for storing the streamed data.

Revision History

Posting Date	Description of Changes
2024-04-05	Administrative amendments to align with Energy Storage ISO Rule amendments.
2020-06-04	Updated AESO's contact info for notifications, added section 3 and 4 to provide clarity on synchrophasor measurement unit functionality and data storage and streaming.
2013-11-12	Administrative Updates
2013-02-28	Initial Release

¹ "Authoritative documents" is the general name given by the AESO to categories of documents made by the AESO under the authority of the *Electric Utilities Act* and regulations, and that contain binding legal requirements for either market participants or the AESO, or both. AESO authoritative documents include: the ISO rules, the Alberta reliability standards, and the ISO tariff.