

Information documents are not authoritative. Information documents are for information purposes only and are intended to provide guidance. In the event of any discrepancy between an information document and any authoritative documents¹ in effect, the authoritative documents governs.

1 Purpose

This information document relates to the following authoritative document:

- Section 502.5 of the ISO rules, *Generating Unit Technical Requirements* (“Section 502.5”).

The purpose of this information document is to provide clarity regarding the applicability of the synchrophasor measurement system requirements for generating units.

2 Synchrophasor Measurement System Requirements

Subsection 18 of Section 502.5 refers to synchrophasor measurement systems. The technical requirements for synchrophasor measurement system are set out in Section 502.9 of the ISO rules, *Synchrophasor Measurement Unit Technical Requirements* (“Section 502.9”). Market participants are encouraged to review Section 502.5 in conjunction with Section 502.9.

In addition, for new generating units, the AESO specifies the sample rate and other required configuration parameters for synchrophasor measurement systems in the facility’s functional specification document. In the case of an existing generating unit that undergoes a modification to replace the protective relays without a functional specification document issued by the AESO, the AESO recommends using at least 30 samples per second.

Revision History

Posting Date	Description of Changes
2020-06-22	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 associated regulations, and that contain binding legal requirements for either market participants or the AESO, or both. Authoritative documents include: the ISO rules, the reliability standards, and the ISO tariff.