

July 13, 2020

To: Market Surveillance Administrator, Market Participants and Other Interested Parties

Re: **Letter of Notice for Development of a Proposed Amendment to Section 502.9 of the ISO Rules, Synchronphasor Measurement Unit Technical Requirements**

Pursuant to Section 4 of Alberta Utilities Commission Rule 017: *Procedures and Process for Development of ISO Rules and Filing of ISO Rules with the Alberta Utilities Commission*, the Alberta Electric System Operator ("AESO") is providing notice and seeking feedback from the Market Surveillance Administrator, market participants and other interested parties ("Stakeholders") on the development of a proposed amendment to Section 502.9 of the ISO rules, *Synchronphasor Measurement Unit Technical Requirements* ("Section 502.9").

### Issue

Section 502.9 contains an outdated reference to the Institute of Electrical and Electronics Engineers Standard *C37.118 – 2005 Synchronphasors for Power Systems* ("IEEE Standard C37.118-2005").

### Objectives/Purpose

The amendments to Section 502.9 are intended to ensure the legal owners of generating units, legal owners of aggregated generating facilities and legal owners of transmission facilities implementing synchronphasor measurement units in Alberta are aligned with the technical requirements in the most current version of the IEEE Standard C37.118.

### Background

Section 502.9 contains requirements for the legal owner of a generating unit, legal owner of an aggregated generating facility and legal owner of a transmission facility implementing a synchronphasor measurement unit to meet the requirements set out in the IEEE Standard C37.118-2005. Broad industry guidelines are based on the technical requirements in the IEEE Standard C37-118 published in 2011. The AESO is proposing to revise the language in Section 502.9 to refer to the version of IEEE Standard C37-118 in effect in order to reduce the regulatory burden of updating the ISO rule each time the IEEE Standard C37-118 is updated.

Additionally, during AESO stakeholder consultation, held in 2012, regarding amendments to Section 502.9, a Stakeholder comment was received seeking clarification from the AESO as to why the reference to the IEEE Standard C37-118 was not being updated in the proposed amendments to Section 502.9. At the time the Stakeholder comment was received, the Western Electricity Coordinating Council ("WECC") documentation still referenced the 2011 version of the IEEE Standard C37-118. As such, in order to align with the WECC, the AESO did not update the reference but committed to consider the revision in the future to align with other jurisdictions.

### Proposed Consultation and Timeline

The AESO proposes a written consultation process for proposed amended Section 502.9. The AESO is of the opinion that the subject matter is straightforward and will seek written comments from Stakeholders on the proposed amendments to Section 502.9.

## Stakeholder Comments

Stakeholders may submit:

- (i) written comments;
- (ii) a notice of intent to participate in consultation; and
- (iii) comments on the form of consultation;

Please use the *Stakeholder Comment Matrix – Development of Proposed Amended Section 502.9 of the ISO Rules* when submitting comments to the AESO. Stakeholders should ensure that comments provided represent all interests within their organization.

The deadline for Stakeholders to provide comments is **August 14, 2020**, to [rules\\_comments@aeso.ca](mailto:rules_comments@aeso.ca). Adherence to deadlines is essential to the integrity of the comment process, and as such, the AESO may choose not to consider any Stakeholder comments received after the deadline.

The AESO will publish all Stakeholder comments, received by the deadline, on the AESO website on August 20, 2020.

## Related Materials

1. [Stakeholder Comment Matrix – Development of Proposed Amended Section 502.9 of the ISO Rules, Synchronphasor Measurement Unit Technical Requirements](#), and
2. [Copy](#) of existing Section 502.9.

Sincerely,

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