

ISO Rule 502.10 Working Group Meeting Notes

Meeting Date: March 3rd, 2017
Time: 10:00 am – 2:00 pm
Location: AESO Office, Main Boardroom

Participants

Company
AESO
AltaLink
ATCO
AUC
ENMAX
EPCOR
FortisAlberta
Rodan

1. Review of First Meeting Notes

AESO sent the first meeting notes to the Work Group (WG) members on February 16, 2017. No comments were received from the WG members.

2. Review of Action Items

There were four (4) action items identified at the first meeting. The following identifies these action items and the actions taken since the first meeting:

[Action Item 1 - AESO will work on the applicability and propose new wording to the group at the next \(second\) work group meeting.](#)

The AESO provided a proposed "[New ISO rule 502.10 Applicability](#)" for discussion. The AUC and other WG members confirmed that revenue metering systems are required for large micro-generation generating units. The AUC recommended that the definition of large micro-generation should be as defined in the Electric Utilities Act, "MICRO-GENERATION REGULATION" instead of referring to AUC Rule 021.

All attendees agreed that transmission connected energy storage facilities should be included in the new AESO rule 502.10. **Should distribution connected energy storage facilities be aligned with the large micro-generation?**

AESO has discussed this issue internally and proposes not to include distribution connected energy storage facilities in 502.10 for now. If necessary, future 502.10 versions will deal with this topic.

Discussions amongst work group members led to the following new language for Applicability as following:

New ISO rule 502.10 Applicability

The AESO proposes that ISO rule 502.10 apply to the AESO and entities that own revenue metering systems, including the **legal owner** of:

- a **transmission facility**;
- an **electric distribution system**;
- a **generating unit** or an **aggregated generating facility** that
 - o is connected to the **transmission system** directly; or
 - o is a distributed generation as defined in the **Act**; or
 - o is deemed as a large micro-generation as defined in the “MICRO-GENERATION REGULATION” .
- an **energy storage facility** that is connected to the **transmission system** directly; and
- an industrial system that has been designated as such by the **Commission**.

The ISO rule 502.10 and a Metering Point Definition Record will not be applicable to a generating unit that is deemed as “small micro-generation” as defined in the “MICRO-GENERATION REGULATION”.

[Action Item 2 - A technical discussion is required for metering on provincial borders, there may be a few exceptions for this type of metering.](#)

Work group had discussions on border meters, including meters on the AB-BC transmission interconnections. The AESO team will seek review from its Regulatory legal team during drafting the ISO rule 502.10.

[Action Item 3 – The AESO needs to do a legal verification to see if the new Dispute rule covers the applicable dispensations in accordance with the existing section 3.3.4 of AESO Measurement System Standard Revision 1 \(September 18, 2007\).](#)

This will be addressed through the AESO legal review process.

[Action Item 4 – The AESO and the AUC will have a meeting to review AUC Rule 021 Section 10.](#)

The meeting occurred on February 16, 2017. The following are the conclusions from the meeting:

- a. Remove the V2E2 reference in the new AESO rule 502.10 and replace it with a reference to AUC Rule 021's VEE Standard.
- b. Remove Section 5.3.2(b) from the new AESO rule 502.10
- c. Re-discuss with the work group if Section 3.3.2 Audits should be kept.

All attendees agreed at the meeting with conclusions "a." and "b." above. Since the AESO has a compliance process for ISO rules, all attendees agreed to remove Section 3.3.2.

3. What should be included in 502.10? - continued

5.0 Metering Data Service

- **Section 5.3 Service Requirement**

All attendees agreed to keep this section in the new rule. However the words need to be modified. Generally the owner is responsible to provide metering data services but need to add contracted arrangements. A Metering Data Provider in this section should be replaced by Metering Data Manager (MDM).

- **Section 5.3.1 Data Collection**

All attendees agreed to modify this section by removing items (b) and (c) from the new ISO rule 502.10 as Measurement Canada's new rule SE-YY will cover these items. Item (a) needs to be re-worded.

- **Section 5.3.2 Data Validation, Verification, Estimation & Editing**

All attendees agreed to remove this section from the new ISO rule 502.10 as described above in action item 4.

- **Section 5.3.3 Data Storage**

All attendees agreed to modify items (a), (b) and (c) in this section by increasing the period of six (6) years to eight (8) years in accordance with PFAM (Post-final adjustment mechanism) in AUC Rule 021, align with the section 5.3.5(3)(a)(ii) .

- **Section 5.3.4 Data Processing**

All attendees agreed to keep this section in the new ISO rule 502.10.

- **Section 5.3.5 Data Transfer**

All attendees agreed to modify this section by removing item (b) from the new ISO rule 502.10 even though AltaLink and Rodan are using the summary data reports provided by the AESO to verify their measurement data received by the AESO. All attendees agreed to keep the item (a) in the new ISO rule 502.10.

- **Section 5.3.6 General**

All attendees agreed to remove this section from the new ISO rule 502.10.

6.0 Metering System Services

- **Section 6.1 Purpose**

All attendees agreed to remove this section from the new ISO rule 502.10.

- **Section 6.2 Service Scope**

All attendees agreed to remove this section from the new ISO rule 502.10.

- **Section 6.3 System Requirements**

All attendees agreed to:

- Retain item (a) in the new ISO rule 502.10 or revise it to, “Owners provide metering Single Line Diagram.
- Retain and re-word item (b) in the new ISO rule 502.10.
- Remove item (c) because this has been included in standard project energization process.
- Remove item (d).
- Revise item (e) to, “Provide information in writing to the AESO of any modification to either the metering system for any metering point or the metering point(s) associated with any measurement point that would result in changes to the associated measurement point definition record;”.

In the discussion, all attendees also agreed that an updated Single Line Diagram (SLD) is to be provided to the AESO if there is a change to the transformer capability. Consideration should be given to providing guidance on this in an Information Document.

- Remove items (f) and (g).
- Revise item (h) such that, upon a metering failure, the AESO is to approve the use of the estimated data within a specific time range, rather than for the AESO to approve the use of unsealed interval meters. This amendment is recommended because the AESO does not have the authority to approve the use of unsealed meters.
- Remove item (i) as this has been covered by SE-08 and SE-10. However, Appendix 3 needs to be reviewed and compared with SE-08 and SE-10.
- Remove item (j).
Action: AESO will provide an example of AESO’s project process which includes metering as a technical requirement to circulate.
- Adding a section regarding acceptable MPDR configuration. The inserted new item (k) should be included in this section.

- **6.3.1 General**

All attendees agree to:

- Retain Item (a).

- Remove items (b), (c) and (d).

4. Future Meetings

The next meeting (3rd meeting) is scheduled for April 28, 2017 from 10:00 am to 3:00 pm at the Fortis office in Edmonton.