

Minutes of the [9th] Meeting of the Revenue Metering Sub-Committee

16 Nov 2004, 9:00 to 2:00
IMO Skymark Training Room

Attendees:

Dave Wilkinson, Cambridge Hydro
Randy Church, HydroOne
Terry Court, Hamilton Hydro
Vlad Stanisic, OPG
Gary Nunes, Rodan
Mark Simpson, Wescast
Vito Genovese, Hamilton Hydro
Francois Abdelnour, IVACO
Graham Henderson, HydroOne
Tom Wasik, Enersource
Peter Hajek, Brantford
Ron Merrett, Great Lakes Power
Doug Currie, HydroOne
Bob McBean, Falconbridge
Luc Jarry, Utilismart Corp
Rowan Jones, IMO
Richard Zaworski, IMO
Tuire Pickering, IMO
Neill Wong, IMO

1. Items from Last Meeting

- 1.1. Item 4. Smart meters. The Sub-Committee was advised to check out the OEB website for details. There is a significant amount of metering work scheduled for the years to come.
- 1.2. Item 6. Metering for Small Generators. The proposed changes for small generators are proceeding and will shortly be presented to the Technical Panel.
- 1.3. Item 9. Station Service Metering Proposal. Still under review, update at a future meeting.

2. Update on seal expiry progress.

- 2.1. Presentation by the IMO (see Update on Seal Expiry.ppt).
 - 2.1.1. Presentation covered the present status of seal expiry in the market.
 - 2.1.1.1. 789 meters seal expire in years 2003 and 2004
 - 2.1.1.2. 292 metering installations have been upgraded

3. Measurement Canada seal expiry for >3MW

- 3.1. Presentation by the IMO (see MC Bulletin E-25-E.ppt).
 - 3.1.1. The IMO advised it was not prepared to support such installations at present.

3.1.2.The Sub-Committee agreed in principle.

4. Settlement Principles - update

4.1. Presentation by the IMO (see Settlement Principles – Update.ppt).

4.1.1.The Sub-Committee discussed the notion of a balancing delivery point to settle the market at each and every connection load facility.

4.1.2.It was decided by the Sub-Committee that the proposal of using a balancing delivery point at each and every load connection point should not be used.

4.1.3.The Sub-Committee considered that the advantages of the balancing DP were small and did not warrant the complexity and unintended complications.

4.1.4.The Sub-Committee decided to continue with the “summation” method where each participant’s load was adjusted to the DP using accepted methods.

5. Light loads for generators

5.1. Presentation by the IMO (see Measuring Low Load at Generation Facilities.ppt)

5.1.1.Proposal is to extend the CT operating range by incorporating the continuous current rating factor. Example given.

5.1.2.The Sub-Committee accepted the technical principles, but implementation will require Measurement Canada approval.

6. IT accuracy unknown – default value

6.1. Presentation by the IMO (see IT Accuracy – Default MEC Principles.ppt)

6.1.1.A Measurement Error Correction (MEC) will not be applied to VT’s and CT’s with accuracies greater than 0.3 ANSI accuracy class until May 1, 2006

6.1.2.After May 1, 2006 a MEC equal to the ANSI accuracy class will be applied for each individual set of VT’s and CT’s. Examples given.

6.1.3.Discussion by the Sub-Committee was for and against implementation of the MEC. It was also suggested that the implementation of the MEC be delayed to allow more time for the MSPs to complete the work of changing out ITs.

6.1.4.It was noted that there are significant number of ITs in the market (rough estimate 20%) that are not 0.3 ANSI. They are either 0.6 or 1.2 and in many cases are simply unknown.

6.1.5.Concern was raised on the resources required to change the ITs considering the smart meter program.

6.1.6.The Sub-Committee did not reach a conclusion and the issue will have to be revisited.

7. Use of a correction factor in a temporary metering installation

7.1. Presentation by the IMO (see EITRP_Applying CF to temp MI_Nov 04.ppt).

7.1.1.Proposal allowed a correction factor to be established for metering installations with three-element meters from the Conforming Meter List.

7.1.2.The correction factor can be used in the event of a failure of an IT.

7.1.3.The Sub-Committee accepted the proposal in principle.

8. Timing of MEC application at seal expiry

8.1. Carried over to the next meeting.

9. Harmonics in compliant meters

9.1. Presentation by HydroOne.

9.2. Concern is the different methods in dealing with harmonics and the verification of VARs in the EU report.

- 9.3. Recommended that there be one standard for conforming meters and that the “vectorial” method be selected.
- 9.4. Sub-Committee to consider the proposal.

10. Routine testing and spot checks for VARS

- 10.1. Carried over to the next meeting.

11. TS upgrades – sharing of VTs

- 11.1. Carried over to the next meeting.

12. Form 1411 – proposed changes

- 12.1. Carried over to the next meeting.

13. MTRs due to reclosures - discussion

- 13.1. Concern raised by Cambridge Hydro is the number of MTRs due to reclosures. A single interval power outage can result in more than one MTR.
- 13.2. Based on Aug there were 256 power outages of which approx. 50% required an edit.
- 13.3. Need to consider how each of the conforming meters manages power outages – can this be improved? Should the MTR working Sub-Committee be reactivated to consider this and to review other MTR causes?

14. Falconbridge Recommendations

- 14.1. Presentation by Falconbridge (see MeteringSubCommittee04_11_16.ppt).
- 14.2. Recommendations:
 - 14.2.1. Adopt NYISO standard for Blondel conformance of grounded-wye source transformer distribution “A neutral conductor that is grounded through high impedance so that the “system” becomes effectively ungrounded can be excluded from the conductor count.”
 - 14.2.2. Add clause 3.2.4. Notwithstanding Appendix 6.2, sections 1.2.1, 1.6.4, 1.7.4, 1.8.4, 1.9.4, 1.11.4, 1.12.3, and 1.13.3, a metering service provider designated as such pursuant to section 3.2.1 or 3.2.2 shall be permitted to repair or replace metering installation components like-for-like or replace with components meeting the requirements of this Chapter relating to the component.
 - 14.2.3. Revise description of “enclosure” i.e. “a meter enclosure which may include suitable protective covers or sealing devices”.
- 14.3. To be concluded at the next meeting.

15. Next Meeting: 8 March 2005