

Minutes of the [11th] Meeting of the Revenue Metering Sub-Committee

10 May 2005, 9:00 to 3:00
IESO Skymark Training Room

Attendees:

Randy Church, HydroOne
Matt Weninger, Guelph Hydro
Peter Hajek, Brantford Power
Vito Genovese, Hamilton Hydro
Al Vance, Hamilton Hydro
Luc Jarry, Utilismart Corp
Mark Simpson, Wecast Industries
Bob McBean, Falconbridge
Mark Passi, Falconbridge
Francois Abdelnour, Ivaco Rolling Mills
Gord Haines, OPG
Andrew Chan, OEFC
Luc Van Overberghe, Measurement Canada
Alex Lunycz, Rodan
Kevin Myers, Veridian
Tom Wasik, Enersource
George Rosati, Enersource
Doug Currie, HydroOne
Bob McBean, Falconbridge
Keith Rye, Peterborough Utilities
Bunli Yang, E4
Ken Snelson, AMPCO
Bob Rossel, Toronto Hydro
Bob Hodgson, Toronto Hydro
Rowan Jones, IESO
Richard Zaworski, IESO
Tuire Pickering, IESO
Dave Wilkinson, IESO
Silviu Motoc, IESO
Doug Thomas, IESO

1. Items from Last Meeting

- 1.1. Metering for small generators. The proposed Market Rule amendment has been approved by the Technical Panel and is presently waiting for IESO Board approval.
- 1.2. Harmonics in compliant meters. The IESO is investigating and working with a manufacturer.
- 1.3. MTRs due to reclosure. MTR working Group formed to address these issues.
- 1.4. Falconbridge Recommendations.
 - 1.4.1. Blondel conformance, IT failure and revised definition of enclosure will be reviewed by the IESO.

- 2. Update on seal expiry progress.**
 - 2.1. Present status of 2003/2004 seal expiry. Presentation by the IESO (see Seal Expiry Update.ppt)
 - 2.2. Approx. 50% of the 2003/4/5 completed
 - 2.3. The majority of the actual meters in the market are now conforming meters.
 - 2.4. Upgrades may be triggered by the requirement for ITs to have MC type approval
- 3. Meter Framework**
 - 3.1. Presentation by the IESO (see 20050510_Meter_Framework_Update_Project.pdf)
 - 3.2. The framework doc at present is a guideline document recommended for use in the IESO system, but not a rule requirement.
 - 3.3. Discussion required on the use of TCPIP.
- 4. Feedback from IESO/HONI Meetings with MMPs**
 - 4.1. Presentation by the IESO (see HONI-IESO progress report rev1.ppt)
 - 4.2. The presentation was a progress report only, the process is not complete.
 - 4.3. Focused on MMPs with bus-metering and HONI ownership
 - 4.4. The RMSC will review the outcome and make recommendations
 - 4.5. No objections to the continuation of the process.
- 5. Meter Upgrades & Registration: Overcoming the Challenges Together**
 - 5.1. Presentation by Brantford Power (see BrantfordPower_IESORMSC.pdf) detailing their experiences.
 - 5.2. Use of the HEPCO Inspection Report as equivalent to the manufacturer's test report was unanimously approved.
 - 5.3. Participants are encouraged to confirm their transformer site specific losses. Default values of 1% are almost certainly higher than the actual values.
 - 5.4. Preliminary settlement statements impact the retail settlement systems. Any delay in registration can have an adverse affect on the retail settlements.
- 6. Power Transformer Information**
 - 6.1. Presentation by HydroOne (see Power Transformer Test Sheets.pdf)
 - 6.2. Progress has been made on verifying the PSDB database as a source of transformer test data.
 - 6.3. The intent here is to prove the accuracy of the PSDB database such that it is reasonable to use the PSDB as an acceptable source of data where either the manufacturer's test cards or HELPCO Inspection Report is not available. Once the verification is complete this will be brought to the group for a decision.
- 7. Toronto Hydro Metering Proposal**
 - 7.1. Presentation by Toronto Hydro (see IESO Presentation – Revenue Metering Subcommittee_final.ppt)
 - 7.2. The metering installations will be fully redundant 230/115 kV installations plus spares.
 - 7.3. How the transmission losses will be adjusted, and how this can be accommodated within the existing tariff structure has not be finally decided.
 - 7.4. There were no objections to the proposal.
- 8. High Accuracy ITs**
 - 8.1. Presentation by the IESO (see 20050510_High_Accuracy_Instrument_Transformers.pdf and IEEE_High_Accuracy_Instrument_Transformers_Draft_Standard_PC57-13-6_D3.pdf)
 - 8.2. High accuracy ITs may be suited for use in wind farms.
 - 8.3. The IESO will continue to work on this issue.

9. Energy Only Meters

- 9.1. Presentation by the IESO (see Energy Only Meters.ppt)
- 9.2. IESO staff will confirm with the MSP at the time of SLD submission that the metering installation is to be used for energy only.
- 9.3. Generally agreed that it is not productive to have a metering installation for energy and another metering installation along side the first installation for transmission. This has to be resolved.

10. Commissioning – Update

- 10.1. Presentation by the IESO (see Commissioning_and_End-to-End_Testing – Update.ppt)
- 10.2. There have been too many commissioning errors. Proposal is to strengthen the commissioning guideline and make them a requirement.
- 10.3. The requirements will include how to deal with secondary currents in the 0.25 to 0.5 amp range.

11. Review of Voltage/Current Presence Check

- 11.1. Presentation by the IESO (see V&I Presence Check.ppt)
- 11.2. There has been an increase in the number of exceptions to the current check.

12. MTR Working Group

- 12.1. Presentation by the IESO (see MTR working group.ppt)
- 12.2. The MTR Working Group is now active. Results will be brought back to this group for review.

Additional Items

13. Implementation of MV Star Release – Update

- 13.1. Presentation by the IESO (see MVSTAR_Implementation Update.ppt)

14. Alternative Metering Standard – May 2006 Deadline

- 14.1. Presentation by Rodan Energy & Metering Solutions (see Revenue Metering SubMay10-Add.doc).
- 14.2. IESO to review what happens when work on a metering installation registered under the alternative metering standard begins in say March 2006 and is not completed until say Aug 2006.

Next Meeting: 26 Aug 2005 at Skymark