

Revenue Metering Standing Committee



Minutes of the [18th] Meeting of the Revenue Metering Standing Committee

16 May 2007, 9:00 to 3:00

IESO Monte Carlo Inn, Mississauga

Attendees:

Mike Pletch, Waterloo North Hydro
Vito Genovese, Horizon
Heather Sears, enerconnect
Robert Gudzak, Waterloo North Hydro
Vasilica Parpalea, Rodan
Doug Currie, HydroOne Networks
Dave Haddock, HydroOne Networks
Matt Weninger, Guelph Hydro
Francois Abdelnour, IVACO
Kevin Myers, Veridian
Rob Reid, Olameter MSP
Randy Church, Hydro One
Peter Hajek, LaPrairie
Terry Court, HydroOne Networks
Mark Simpson, Brantford Power
Jeff Simpson, Wescast
Bunli Yang, E4 Inc.
Rocket Wei, Waterloo North Hydro
Vlad Stanisic, OPG
Rowan Jones, IESO
Richard Zaworski, IESO

Guest Speaker – Don Traynor, Rogers Wireless

1. Items from Last Meeting

- 2.1. MSP to Delivery Point Listing – Closed
- 2.2. 25 Hz Metering – Closed
- 2.3. Baseline Updates – On current meeting's agenda

2. Update on seal expiry progress.

- a. Presentation by the IESO (02 - Seal Expiry Update.ppt).
- b. Approx. 92% of the 2003/4 seal expiries completed.
- c. Approx. 86% of the 2005 seal expiries completed.
- d. Approx. 67% of the 2006 seal expiries completed.
- e. Approx. 38% of the 2007 seal expiries completed.
- f. Looking ahead to year 2010, 211 of 326 metering installations remain to be upgraded.

3. Communications Performance 2007

- a. Presentation by the IESO (03 – Communications Performance 2007 rev 1.pdf).
- b. Communications with the meter is improving.
- c. Future progress may be limited - time to consider new technologies.
- d. General agreement by the Committee to consider new technologies.
- e. Spreadsheet of daily call cycles and their successes and failures shown to the Group.

4. Wireless WAN Communications – Presentation by Rogers Wireless

- a. Presentation by Rogers Wireless (04 – IESO Presentation 16-May-2007.pdf).
- b. Rogers is working on electricity, gas and water utility communications.
- c. Security is by encryption on the wireless portion.
- d. Wireless is claimed to be the cheapest solution.
- e. Cost is based on usage and typical meter reads are not big files.
- f. Meters will require a communication port (either serial or ethernet).
- g. Reliability is 98.5% for the core wireless system.
- h. Maintenance is after midnight.
- i. Latency on the wireless network is in msec.
- j. Must comply with NERC requirements.

5. TCP/IP communications – discussion of future direction

- a. Presentation by the IESO (05 – TCPIP Meter Communications.pdf)
- b. Comments:
 - i. The IESO will need more than one solution as there are locations where a single solution will not work.
 - ii. There are some events that the IESO does not use e.g. power quality, but these are a burden on communication.
 - iii. The IESO will need a solution that suits participants and will likely be a hybrid solution (support for wired and wireless connectivity).
 - iv. How well MV90 functions with TCP/IP is still somewhat of an unknown in Ontario
 - v. Analog cellular phone service may disappear completely by 2008.

- vi. It is conceivable that phone lines may disappear entirely in the future.
- vii. The systems must be migratory.
- viii. Embedded generators should be part of this solution.
- ix. Should this be a metering only solution or an organizational solution?
 - x. Aim is to have reduced cost and improved reliability.
 - xi. Measurement Canada is considering changing the seal period for electronic meters to 10 years (conditions apply). In order to avoid changing out the meters prior to the seal expiry, it would be beneficial to know the future communications direction.
 - xii. The Committee agreed in principle with adopting new communication technology.
 - xiii. Next step is to prepare a business case.

6. Allocation of Tx SSLA using Method 1

- a. Presentation by the IESO (06 – Allocation of Tx SSLA Method 1 vs. Method 2.pdf)
- b. The IESO's systems do not accommodate dynamic proportioning of losses. The ratio of losses between participants is fixed.
- c. Should the actual apportioning of the losses vary markedly from the ratios provided, the losses for participants will be overstated.
- d. Loss allowances based on a single, net loss calculation will require specific confidentiality agreements between the parties as they will be able to see each others confidential information.
- e. IESO to review the impact of the deviations from the submitted ratio.

7. Order of Losses

- a. Presentation by the IESO (07 – Losses order.pdf)
- b. The order in which the MEC and losses are applied affects the final, adjusted metering data.
- c. The effect is small but there is only one correct way to apply the factors.

8. Workflow Working Group

- a. Presentation by the IESO (08 – Multiple MSPs in a TS.pdf)
- b. Having more than one MSP working in a facility at one time is creating a number of critical registration issues for the IESO and the MSPs.
- c. The Committee agreed to convene a Workflow Working group to review these issues and to report back to the RMSC.

9. Temporary power – unmetered

- a. Presentation by the IESO (09 – Temporary Power.pdf)
- b. On occasion the IESO gets a request to energize a facility prior to the completion of the revenue metering.
- c. Under the Market Rules the IESO presently does not have the authority to allow these connections – a rule amendment is required.
- d. The Committee voted eighteen (18) votes for proceeding with a rule amendment and one (1) vote against proceeding.

10. Baseline 17.1

- a. Presentation by the IESO (Baseline 17_1 Update.pdf)
- b. The changes affect Market Manual 3.7, sections specific to Compliance Aggregation and Meter Disaggregation..

11. OPA DR II and DR III

- a. Presentation by the IESO (DR III M&V Plan.pdf)
- b. DR II and DR III are OPA's demand shift and demand reduction programs. The IESO's role is limited to settlement services.
- c. As such, the Measurement and Verification (M&V Plan) portion only was before the RMSC. There were no objections to the proposed M&V function.

12. Measurement Canada revision of E&GI

- a. Presentation by the IESO (12 - MC E&GI.pdf)
- b. Measurement Canada is reviewing the E&GI Act and is soliciting comment.
- c. The IESO is proposing to comment, but will advise the RMSC of its proposed comments prior to submission.

13. Item for next meeting.

- a. Reseal of compliant meter:
 - i. Issue is specific meter locations
 - ii. Spares may not be available for some MMPs.

Next Meeting: 6 Sep 2007