

Minutes of the [15th] Meeting of the Revenue Metering Sub-Committee

06 September 2006, 9:00 to 3:00
IESO Skymark Training Room

Attendees:

Vito Genovese, Horizon
Doug Currie, HydroOne Networks
Gary Nunes, Rodan
Vasilica Parpalea, Rodan
Luc Jarry, Utilismart Corp.
Gordon Roberts, Wardrop Eng.
Kevin Myers, Veridian
Vlad Stanisic, OPGI
Ron Merrett, Olameter MSP
Randy Church, Hydro One
Rob Reid, Olameter MSP
Tom Wasik, Enersource Hydro Mississauga
Janis Gartshore, Brookfield Power
Bob McBean, Xstrata
Peter Hajek, LaPrairie
Dave Wilkinson, Guelph Hydro
Heather Sears, Enerconnect/Wattsworth
Terry Court, HydroOne Networks
Francois Abdelnour, IVACO
Doug Thomas, IESO
Rowan Jones, IESO
Richard Zaworski, IESO
John Antonakos, IESO
Robert Stancu, IESO
Norm Tse, IESO

1. Items from Last Meeting

- 1.1. OEB rate order.
 - 1.1.1. Target implementation May 1, 2006 now in effect. Details to be discussed at this RMSC Meeting.
- 1.2. PME Bypass Switches
 - 1.2.1. Dave Wilkinson & Herb Haller to develop process.
 - 1.2.2. Use of condition guarantee is not an option. There will be a Terminal Point Tag.
 - 1.2.2.1. Notification of operation between two parties. With the use of terminal point tag, the host LDC will be assigned controlling authority when MP is embedded and the IESO when MP is directly connected.
- 1.3. Monthly MSP performance Reports
 - 1.3.1. Can reports be issued for MSP to Delivery Points?
 - 1.3.2. Will be investigated. There is a need to develop reporting process.

2. Update on seal expiry progress.

- 2.1. Presentation by the IESO (2 - Seal Expiry Update Sept 6.pdf).
- 2.2. Approx. 86% of the 2003/4 seal expiries completed.
- 2.3. Approx. 72% of the 2005 seal expiries completed.
- 2.4. Approx. 37% of the 2006 seal expiries completed.
- 2.5. Positive trend continues.
- 2.6. Remaining Meter installations will probably be the more difficult to complete.

3. OEB 2006 Rate Order

- 3.1. Presentation by IESO (O3 - Update 2006 OEB Rate Order – IESO&OEB Mtg.pdf)
- 3.2. IESO met with OEB May 16, 2006
 - 3.2.1 May 1, 2006 is not practical given the number of registration changes to be implemented
May require coordination with multiple MSP's at some facilities
- 3.3. OEB rate orders –Update on LDC rate orders on OEB web page,
www.oeb.gov.on.ca/html/en/consumers/understanding/2006edr_decisions.htm
 - 3.3.1. 2006 Rate Order does not detail SSLF and DLF. TLF is only listed.
 - 3.3.2. Effective date of changes made to TT is based on the Settlement Calendar and determined by time lines of the preliminary and NOD windows.
- 3.4. Approx. 380 installations affected are embedded points and approx 50 are end use customers (NON-LDC).
 - 3.4.1 Priority will be given to end use customers (MMP')
- 3.5 With new rate order, Pancaking of TLF/DLF is no longer applicable.
 - 3.5.1 The new method is a fairer way to apply charges as opposed to way it was calculated.
- 3.6 Question asked on how TLF applied. Host TLF applied to embedded MP in all instances.
 - 3.6.1 An average over a calculation is used based on each LDC to the supply host
- 3.7 If Pancaking currently applied, what needs to be done?
 - 3.7.1 LDC's are responsible to identify and have MSP submit changes.
 - 3.7.2 Changes made on going forward basis. Prior charges settled in variance accounts
- 3.8 Question was asked on what is the Definition of an Express feeder
 - 3.8.1 Rate Order defines "Express Feeder" as feeder supplies only one customer.
 - 3.8.2 Emergency taps on a feeder disqualify a feeder to be determined "Express".
Express feeder may be changed at any time if a customer is added.

4. MR-0312 Update

- 4.1. Presentation by the IESO (4 - MR-00312 Update.pdf).
- 4.2. Meeting with Technical Panel Aug. 29, 2006
 - 4.2.1 TP agreed that the amendment submission warrants consideration.
 - 4.2.2 IESO to meet with TP in October for consideration of Market Rule Amendment
- 4.3 Expect the MR to give IESO direct authority to grant relief as per details in the Market Manuals.
 - 4.3.1 IESO Metering standards not higher than industry standards. LDC standards are same.
 - 4.3.2 Measurement Canada rules can not be changed by IESO.
- 4.4 Meter will always need to be upgraded to IESO approved type in all conditions. Only pt's & ct's can be exempt provided they are of approved type or are exempt by MC.
- 4.4 Overview on questions TP raised in meeting.
- 4.5 Question asked if CT's located inside bushing would relief be granted
 - 4.5.1 Relief will be dependant on all conditions. Cost and ability will be considered. If alternative is available, request will be denied.
- 4.6 What role does MSP play? Can MSP start assessment prior to market rule changes. Some installations that may qualify are due this year.
 - 4.6.1 Until market rule has been approved, IESO cannot proceed. If installation expire end of year, MMP must address MACD.

4.7 Question if standard form is available.

4.7.1 IESO may need to detail requirements. MP to pay for cost of application and evaluation of every application.

4.7.2 Once IESO has made decision on relief, the MMP challenge only through dispute process.

4.8 Request for outline of conditions that may warrant relief be made available. Rowan Jones to send to RMSC within 10 days.

5. Base Line Updates

5.1. Presentation by the IESO (5 - Baseline 16_0 Updates.pdf)

5.2. Baseline 16.0 in effect as of Sept. 13, 2006.

5.3. MM 3.2 Meter Point Registration and Maintenance, updated with minor revisions as well as TOC to reflect changes to title of Appendix B "Requirements for Commissioning a Metering Installations"

5.3. MM 3.4 Measurement Error Correction, updated Wholesale Revenue Metering Standard section 4.3.3

5.4. Market Manual 3.7 – Totalization Table Registration – Incorporated IMDC-0104 Registration of Compliance Aggregation Model.

5.5. NEW FORM; IESO FORM 1660 – Acceptance of Compliance Aggregation Model.

6. Emergency Load Reduction Program (ELRP) Update

6.1. Presentation by the IESO (6 - ELRP and M&V Plans.pdf)

6.2. Review of steps the IESO taken in advance and during an IESO Controlled Grid Emergency Operating State.

6.2.1 Consideration is taken to planned outages, forecasting of generator outages. ELRP falls fifth on the list of action taken in emergency conditions. This is ahead of public appeal.

6.3. M & V Plans were outlined. Four baselines were discussed.

Approximately 300 MW of capacity is signed to date. This number coincidentally is the same as a 3% voltage reduction.

6.4. ELRP is a lifetime program, no time limits.

6.5. ELRP Phase #2 to be released in early 2007.

6.5.1. Enhancement to include Web portal for participants.

6.5.2. Consideration for ELRP users group based on feedback.

6.5.3. Possibility of ELRP-V. A voluntary participant not interested in financial gains from this program.

7. Compliance Aggregation

7.1. Presentation by the IESO (7 - Compliance Aggregation - Meter Disaggregation.pdf)

7.1.1 The presentation raised questions on the use of losses in the models used to demonstrate the operation. The losses applied will be dependent on DMP, location of metering installation.

7.2 Registration process to be detailed in MM 3.7 baseline 16.1 (Dec 2006)

7.2.1 Summary of two models, Compliance Aggregation & Meter Dis-aggregation outlined in presentation.

7.2.2. Positives of program are that it offers flexibility on the operation of a facility.

7.2.3. Need to be aware of requirement for new DP_ID's. Once registered any changes will prompt the need to create new DP_ID's. Must ensure it is done correct the first time.

7.2.4 Once registered, participant must follow dispatch instructions.

7.3 Meter dis-aggregation may have high potential for hidden cost. Although it may save cost at beginning, when wanting to separate for sale of facility, metering must be installed at that time.

7.4 MMP must sign off for IESO to implement.

8. 25 Hz Meters – ION 7700

- 8.1. Discussion led by Doug Currie
- 8.2. Measurement Canada's response on June 14, 2006 was favourable to request to approve ION 7700 for 25 Hz metering
 - 8.2.1. Suggest that PML submit testing results and plans to MC.
 - 8.2.2. PML has done some testing at varying voltages (57v – 120v) and verifies that the meter performs well.
- 8.3 PML suggest that the ION 8600 is used in place of the ION 7700. This will answer to the concerns of password issues the ION 7700 raises.
 - 8.3.1. Concerns on who will pay costs to have meters approved. Currently there is no available facility for testing of the ION 7700. Cost of approval at approx. \$10,000.00.
 - 8.3.1.1 Hydro One has test board approved for 25 Hz testing.
 - 8.3.2. ION 7700 energy only for approval.

9. PME Bypass Switches

- 9.1. Discussion led by Dave Wilkinson
- 9.2. Market Rules changes are needed to allow the operation of By-Pass switches on activation of EITRP plan. Only installations that are approved will qualify.
- 9.3. MSP's to submit validation plans as part of approval process
 - 9.3.1. Market rule will need to identify how verification on how settlement will apply when no upward meter available.
- 9.4. Richard and Dave to meet and discuss guidelines for plans to be submitted for acceptance.
 - 9.4.1. Time lines for approval are dependant on next Baseline for Manual changes on the Hardware Standard.
 - 9.4.2. Rowan confirmed IESO will move forward to implement changes in Hardware Standard.
- 9.5. Randy Church asked for suggestions on how embedded meter point to be handled. The plans should outline how all scenarios will be handled.
- 9.6. Questions on how the switching will be authorized when needed to be applied.
- 9.7. Final draft of Market Rule changes to sent to RMSC for comments.

10. MSP Performance

- 10.1. Presentation by IESO (10 - Update Monthly MSP Performance.pdf)
- 10.2. Effective January 2006 Performance Report, the following reports have been added:
 - MSP to MPID Listing
 - **NEW – MSP to Delivery Point Listing (available before year end - 2006)**
 - Reconciliation with MSP Listing
 - Meter Spot Check with MSP Listing
 - Repeat Offender Listing
- 10.2. New development being worked on. MSP's will have access to MSP User Group Meeting agenda, minutes and presentations via internet - www.ieso.ca
 - 10.2.1. Secure web page restricted to register MSP's. MSP assigned username and password. Unique to MSP organization. Administered by IESO. To be revealed at the next MSP User Group Meeting.

11. PSI Time Synchronization

- 11.1. Presentation by IESO (11 - Update Time Synchronization_PSI Recorders.pdf)
- 11.2. Last slide of presentation outlines limited options to address issues.
 - 11.2.1. Possible changes to increase allowance for PSI recorders.
 - 11.2.2. Proposal for exemption for these recorders until seal expiry and eventual replacement.
 - 11.2.3. Radom problem only with PSI 100, 200 recorders.

- 11.3. IESO seeks direction from RMSC on how to proceed.
 - 11.3.1. RMSC unanimously agrees to proceed with exemption. Suggest that wording allows for delays as well as end of seal expiry to address any meter upgrade delays.

12. Update on Alpha Framework Development

- 12.1 Discussion led by IESO
- 12.2 Update on progress with Alpha meter.
 - 12.2.1 Framework to be completed for next MSP user group meeting.
- 12.3 Group identified how useful the meter frameworks have become.
 - 12.3.1 To produce meter framework, it can be very time consuming and the IESO has limited resources.
 - 12.3.2 It was suggested that the Mfg. be made responsible to prepare and submit with meter type approval to IESO for future meters coming into the wholesale meter market.

13. Auxiliary CT's

- 13.1. Discussion led by IESO
- 13.2. Concerns on Aux CT's part of installations omitted from Hydro One Temp. Permission CT listing.
- 13.3. If MMP's have metering installations with non approved Aux. CT's need to upgrade.
 - 13.3.1. IESO may consider allowing changes to these CT's without triggering meter upgrade.
 - 13.3.2. IESO requested direction from RMSC. Unanimous agreement to pursue allowing of Aux. CT change out.

General Item for Discussion

1. Polarity shown on SLD submissions
 - 1.1 Should the electrical or physical polarity be shown on SLD submission to the IESO?
 - 1.2 The IESO requires the electrical polarity shown to assist in determining how the metering data will be settled.
 - 1.2.1 IESO to look at possible expansion in Meter Manuals to clarify how to be shown on SLD's. Further discussion in next meeting.
2. RMSC role in Smart Meter Program
 - 2.1 There will be no role for RMSC in smart meter program at this time.
3. Accurate Identification of Facilities
 - 3.1 Questions rose over discrepancy of Facility names.
 - 3.2 Wholesale Meter group does not refer to PLC. IESO to look into linking these two fields together. Richard working with Market Entry.
4. Change of MSP to Delivery Point
 - 4.1 Concerns rose over hand off of meter installations to new MSP's. How does this impact MSP performance.
 - 4.2 The hand off needs to be discussed further at the MSP users meeting.
 - 4.3 Issues over the requirement of an end to end test when TX can't be energized until meter registration is complete.

Next Meeting: 15th November 2006 at Skymark