

Minutes of the [14th] Meeting of the Revenue Metering Sub-Committee

8 March 2006, 9:00 to 3:00
IESO Skymark Training Room

Attendees:

Doug Currie, HydroOne Networks
Alex Lunycz, Rodan Meter Services
Ron Merrett, Great Lakes Power
Jeff Simpson, Westcast Industries
Mark Simpson, Brantford Power Inc.
Francois Abdelnour, Ivaco
Al Dharshi, OPGI
Vlad Stanisic, OPGI
Dominic Consorti, HydroOne Networks
Heather Sears, Enerconnect
Vito Genovese, Horizon
Herb Haller, Waterloo-North Hydro
Matt Weninger, Guelph Hydro
Art Stokman, Guelph Hydro
Peter Hajek, LaPrairie
Keith Rye, Peterborough Utility Services Inc
Rowan Jones, IESO
Richard Zaworski, IESO
Dave Wilkinson, IESO
Tuire Pickering, IESO

1. Items from Last Meeting

- 1.1. Harmonics in compliant meters.
 - 1.1.1. Measurement Canada working group has been invited to update the RMSC on the status of this project at future meeting. Local working group member is Jeff Richardson from Elster Metering.
- 1.2. Interim Report IESO/HydroOne Meetings with MMP's
 - 1.2.1. MR-0312 amendment in progress.
 - 1.2.2. IESO to work with HydroOne regarding life time dispensation.
- 1.3. Settlement Principles
 - 1.3.1. IESO implementing two new programs this summer.
 - 1.3.1.1. Replacement Offers
 - 1.3.1.2. Compliance Aggregation – to be detailed at future RMSC meeting.
- 1.4. IT MEC Public Consultation
 - 1.4.1. Market Manuals update Baseline 14 effective Dec. 8, 2005.
- 1.5. CSA IT Standards
 - 1.5.1. IEEE C57.13.6 High Accuracy Instrument Transformer Standard was published Dec. 9, 2005.
- 1.6. Implementation of new OEB rate order.
 - 1.6.1. Target implementation May 1, 2006.
 - 1.6.2. IESO to invite HydroOne to next RMSC to review the TLF alternative (engineering calculation) for dedicated feeders.

2. Update on seal expiry progress.

- 2.1. Presentation by the IESO (2 - Seal Expiry Update.pdf).
- 2.2. Approx. 75% of the 2003/4/5 seal expiries completed.
- 2.3. Approx. 22% of the 2006 seal expiries completed.
- 2.4. Positive trend continues.
- 2.5. Summary of previous registration/deregistration activity.
- 2.6. Issue raised regarding seal expiry of 25Hz metering installations.
 - 2.6.1. No MC Approved meter for 25Hz.
 - 2.6.2. Doug Currie (HydroOne) to determine scope of project.
 - 2.6.3. IESO to review exemption re: 25Hz meters.

3. PME Bypass Switches

- 3.1. Presentation by Herb Haller, Waterloo-North Hydro Inc.(3 - 20060228_IESO PRESENTATION BY-PASS DEVICES AT PMU (R4) PRESENTATIONS (2).pdf).
- 3.2. Safety Concerns
 - 3.2.1. By-Pass switches permit safe work practices on the PME.
- 3.3. Settlement Principles - MMP is responsible for settlement at the Connection Point or Embedded Connection Point.
- 3.4. IESO's VEE process may not detect the operation of a PME By-Pass switch.
- 3.5. Agreement between affected parties was suggested.
 - 3.5.1. Who has operational control of the By-Pass switch?
 - 3.5.2. May require a two or three party agreement. This is dependant on the metering arrangement.
 - 3.5.3. IESO is not in favour of ensuring that agreement is in place.
 - 3.5.3.1. What if the agreement is not followed by MMP?
 - 3.5.4. What happens when there is no top meter?
- 3.6. Identify By-Pass switch as EITRP Switch.
 - 3.6.1. Consider operation of By-Pass switch as implementation of EITRP (tracked by MTR).
 - 3.6.2. EITRP permit host to accept responsibility for settlement.
 - 3.6.3. Need for temporary metering in this case.
 - 3.6.4. LDC's currently have operating/settlement agreements with neighbouring LDC's.
- 3.7. Comments
 - 3.7.1. Require controls such that the operation of the bypass switch requires prior opening of voltage inputs to meter. This will generate a MTR.
 - 3.7.2. MMP/MSP required to open MTR whenever By-Pass switch is operated.
- 3.8. Recommendation from the RMSC to accept use of By-Pass switches.
 - 3.8.1. IESO to develop list of controls and procedures.

4. Baseline 15 Updates

- 4.1. Presentation by the IESO (4a - Baseline 15 Updates.pdf and 4b - 20060308_Review_of_Baseline_15_Updates_to_Metering_Manuals.pdf).
- 4.2. The following documents were updated:
 - 4.2.1. Market Manual 3.2 – Appendix B – ‘Requirements for Commissioning a Metering Installation’.
 - 4.2.1.1. Updates based on recommendations from MSP Working Group (March 15, 2005).
 - 4.2.1.2. Appendix C – ‘Guidelines for Conducting End to End Testing and Meter Master File Comparison’ to be updated at Future Baseline Q3/Q4 2006.
 - 4.2.2. IMO FORM 1304
 - 4.2.3. Wholesale Revenue Metering Standard
 - 4.2.3.1. Section 4.3.3e (RMSC recommendation Aug. 26, 2005).
 - 4.2.3.2. Section 6.4.5 - Connection to Common Solid Bus (RMSC recommendation May 13, 2004).
 - 4.2.4. IMO FORM 1298

4.2.5. Market Manual 3.6

4.2.6. SSLA Standard

5. Monthly MSP Performance Reports

5.1. Presentation by the IESO (5a - Monthly MSP Performance.pdf and 5b - 20060308_Repeat_Offender_Meter_List.pdf).

5.2. MSP to MPID Listing

5.2.1. MPID listing assigned to the reported MSP.

5.2.2. Issued Monthly.

5.3. Reconciliation with MSP Listing

5.3.1. Details reconciliations submitted during past 14 month period.

5.3.2. MSP/IESO to use report to assess compliance.

5.3.3. Issued Quarterly.

5.4. Meter Spot Check with MSP Listing

5.4.1. Details meter spot checks submitted during past 14 month period.

5.4.2. MSP/IESO to use report to assess compliance.

5.4.3. Issued Quarterly.

5.5. Repeat Offender Listing

5.5.1. Issued Monthly.

5.5.2. MSP to address top 5 offenders.

5.6. Comments

5.6.1. Can report be issued for MSP to Delivery Point?

5.6.1.1. IESO to consider.

5.6.2. MMP may contact MSP for details.

6. Emergency Load Reduction Program – ELRP and M&V Discussion

6.1. Presentation by the IESO (6a - Emergency Load Reduction Program (ELRP).pdf and 6b - 20060308_ELRP_Metering_and_Verification_Plan.pdf)

6.2. Focus of the program is to provide the IESO control room with a tool that can be used to reduce demand under emergency conditions prior to initiating either voltage reduction or rotating black outs.

6.3. Alternative methods for calculating load reduction values discussed in detail (M&V Plan).

6.4. Comments

6.4.1. LDC's should be encouraged to participate because of close relationship with customer base.

6.4.2. TDRP is a temporary program expiring Fall 2007. ELRP is an enduring program.

6.4.3. Has anyone studied the impact of dispatchable load moving from the OR Market and into ELRP? This may cause an increase in OR Prices.

6.4.4. The use of stand by generators in ELRP is subject to Certificate of Authorization.

6.4.5. 2006 ELRP unit prices include the adjustment for losses.

6.4.6. IESO must audit to ensure that all load reductions are valid and supported by true end point data.

6.4.7. IESO reviewing baseline calculation alternatives. Additional details to be presented at stakeholder meetings scheduled for March 30, 2006.

6.4.8. Will ELRP participants that meet their load reduction commitments be excluded from the Provincial Load Shedding Plan?

7. Meter Communications - Update

- 7.1. Presentation by the IESO (7a - 20060308_Meter_Communications_Issues_and_Best_Practices.pdf)
- 7.2. MR's define IESO Call Window
- 7.3. Comments
 - 7.3.1. IESO has new tool to manage Call Cycles.
 - 7.3.1.1. MSP's will be required to address communication configurations that do not meet the IESO standard (4 calls per phone line per night).

8. MIRT/Master Files – IESO Controlled Fields

- 8.1. Presentation by the IESO (8 - 20060228_MIRT_Master_Files_MSP_and_IESO_Controlled_Fields.pdf)
- 8.2. Need to redefine the Master File fields under control of the IESO.
- 8.3. IESO controlled Customer Master File fields defined.
 - 8.3.1. RMSC agree with classification of IESO controlled Customer Master and Recorder Master File field definitions.
 - 8.3.2. RMSC agree in principle with the classification of the IESO controlled Channel Master File definitions.
 - 8.3.2.1. Work in progress. IESO to finalize with RMSC when completed.
- 8.4. Comments
 - 8.4.1. MMP receives copy of MIRT from MSP.
 - 8.4.2. MSP does not see changes to IESO controlled fields.
 - 8.4.3. Real issue is when MSP submits MIRT via MV90 master file export.
 - 8.4.4. Controls currently in place for IESO/MSP controlled LPC and RPC phone number field.
 - 8.4.4.1. MSP controls area code, phone number and call processor string.
 - 8.4.4.2. IESO controls string to acquire dial tone and transfer sequences.
 - 8.4.5. Channel Master File fields.
 - 8.4.5.1. MSP/MMP wants to be told of any updates to Master file.
 - 8.4.5.2. New submissions will be rejected if not in accordance with Meter Framework.

9. Use of pdf's – EUR's and SRR's

- 9.1. Presentation by the IESO (9 - SRR & EUR PDF.pdf)
- 9.2. Comments
 - 9.2.1. SRR graphic image missing/truncated in complex SRR reports.
 - 9.2.1.1. MSP to contact IESO to request actual jpg image.

10. Adding Burdens to a Registered Metering Installation

- 10.1. Presentation by the IESO (10 - Adding Burdens to RWM .pdf).
- 10.2. Principle established and agreed to by RMSC: Adding additional burdens must not degrade the accuracy of the metering installation.
- 10.3. Guidelines for Compliant Metering Installations established.
 - 10.3.1. Temporary use only – limited to 12 weeks.
 - 10.3.2. In accordance with Hardware Standard.
 - 10.3.3. Under MSP control.
 - 10.3.4. Cannot compromise security.
- 10.4. Guidelines for Legacy Metering Installations established.
 - 10.4.1. Principle applies: Must not degrade accuracy of the metering installation. If IT accuracy is unknown, any changes must result in no net increase of burden. Must relieve existing burdens before new burdens can be applied.
- 10.5. Comments
 - 10.5.1. Upgrade from legacy meter to conforming meter will reduce burden to find additional capacity.
 - 10.5.2. Where IT accuracy and burden is unknown, may require test in field.

11. non-Blondel MEC – Future Baseline Proposal

- 11.1. Presentation by the IESO (11 - Blondel MEC - Future Baseline Proposal.pdf).
- 11.2. For information purposes only.

12. Optical IT's - Discussion

- 12.1. Presentation by the IESO (12 - 20060308_Optical_Instrument_Transformers.pdf and 12b - Optical Current and Voltage Transformers EDA M.pdf).
- 12.2. Does the RMSC see the inclusion of Optical Instrument Transformers for Revenue Metering application in the IESO Market as a priority?
- 12.3. RMSC recommendations
 - 12.3.1. Wait for Measurement Canada approval of optical IT's.
 - 12.3.2. Revisit in 9 to 12 months.
 - 12.3.2.1. Establish Working Group and engage manufactures.

Next Meeting: 10th May 2006 at Skymark