

Minutes of the [13th] Meeting of the Revenue Metering Sub-Committee

Date: November 16, 2005
Time: 9:00 am to 3:00 pm
Location: IESO Skymark Training Room

Attendees:

Doug Currie, HydroOne Networks
Tom Wasik, Enersource
Ron Merrett, Great Lakes Power
Matt Weninger, Guelph Hydro
Bob McBean, Falconbridge
Vasilica Parpalea, Rodan Meter Services
Randy Church, HydroOne Networks
Gord Roberts, Elecsar Engineering
Peter Hajek, LaPrairie
Doug Bray, Peterborough
Al Dharshi, OPG
Vito Genovese, Horizon
Vlad Stanisic, OPG
Rowan Jones, IESO
Richard Zaworski, IESO
Dave Wilkinson, IESO
Silviu Motoc, IESO
Doug Thomas, IESO

1. Items from Last Meeting

- 1.1. Harmonics in compliant meters.
 - 1.1.1. The IESO is in favour of standardizing on one method of dealing with harmonics for the wholesale market.
 - 1.1.2. Measurement Canada consultation in progress (the IESO will participate).
- 1.2. IESO to follow up on reviewing the settlement issues as part of the connection assessment.

2. Update on seal expiry progress.

- 2.1. Present status of 2003/2004/2005 seal expiry. Presentation by the IESO (see 2 - Seal Expiry Update_051114.pdf)
- 2.2. Approx. 67% of the 2003/4/5 updates completed.
- 2.3. Positive progress is being made.

3. Interim Report IESO/HydroOne Networks Meetings with MMPs

- 3.1. Presentation by the IESO (see 3 - Meter_Installation_Upgrade_Strategy_FinalReport.pdf)
- 3.2. The report is to be submitted to the senior management of HydroOne Networks and the IESO.
- 3.3. Relief will not apply where:
 - 3.3.1. The MMP owns the transformer station,
 - 3.3.2. Where it is practical and reasonable to comply with the present rules. If space exists relief will not be granted,
 - 3.3.3. Other conditions as detailed in the presentation.

- 3.4. The proposed changes would allow the IESO to grant permission for the existing ITs to remain in situ where warranted by the circumstances e.g. downtown location with space limitations.
- 3.5. Comment was made that the report should be changed to allow paralleling of CTs to continue.
- 3.6. Concern was raised that this discretion not be the norm but rather that it only be used where absolutely necessary. Relief should only apply to a small percentage of the installations.
- 3.7. Each individual case will have to be reviewed by the IESO and a judgement made as to whether it qualified for relief. But it should be the exception, not the rule.
- 3.8. This proposal will not address the Measurement Canada IT type approval problem. Suggestion is that the IESO and Networks approach MC and discuss the issue.
- 3.9. Completion of the visits plus rule/manual changes likely a nine month process as it requires market rule amendments and approval by the IESO Board and the OEB.
- 3.10. Acceptance in principle of the final report was voted on by the group, results: vote twelve in favour, one against.
- 3.11. The group was unanimous in recommending that Networks and the IESO approach Measurement Canada.

4. MTR Working Group - 2005 final Report

- 4.1. Presentation by the IESO (see 4 – IESO_MTR_PresentationNovember 16 2005.pdf)
- 4.2. The group accepted the final MTR Working group report.
- 4.3. The group recommended that the MTR Working Group be reconvened in 2006 specifically to work on improving communications performance.

5. Settlements Principles – Disaggregation (and the concept of “Compliance Aggregation”)

- 5.1. Presentation by the IESO (see 5 - Disaggregation.pdf)
- 5.2. The presentation described the principle of disaggregation, the Market Systems involved and how it is applied.
- 5.3. “Compliance Aggregation” will allow participants some operational freedom while still being compliant with and settled on their dispatch schedule.
- 5.4. May apply to generators on a single river system or large generation facilities.
- 5.5. This is a new concept and will require new procedures.
- 5.6. Disaggregation does not apply to a TS with shared ownership or across multiple MMPs.
- 5.7. Anyone involved in this arrangement should (at an early stage) call the IESO Settlements and discuss the implementation.
- 5.8. There were no objections – the RMSC accepted the principles, however this may need to be revisited as the procedures are developed.

6. Comparison with other ISO’s – Metering

- 6.1. The IESO recently attended a meeting of metering representatives from North American ISO’s
- 6.2. Comparison between the IESO metering and other similar North American ISO’s was discussed.
- 6.3. Comments:
 - 6.3.1. The ISO’s are split on the function of metering: there are those that are directly involved in metering and those that are not but are supplied metering data from MDMA’s.
 - 6.3.2. Those ISOs that are directly involved in the metering all had similar metering installation standards.
 - 6.3.3. In general ISO’s are under pressure to reduce settlement timelines.
 - 6.3.4. It is still early days but a possible direction of the ISO Metering group is to produce a “best practices” manual.
 - 6.3.5. The RMSC agreed in principle to support the ongoing development of a best practices manual but cautioned that it must not add new costs.
 - 6.3.6. The IESO will report back on any progress.

7. OPG Meter Communications Strategy

- 7.1. Presentation by OPG (see 7 – Revenue Metering IESO proposal2.pdf)
- 7.2. Covered OPG’s proposed meter communications system.
- 7.3. Comments:
 - 7.3.1. Plan will get past the limitations of the telephone infrastructure at remote generating sites.
 - 7.3.2. Uses static local i/p address that is assigned by BAT-e Device Server.
 - 7.3.3. Going Ethernet throughout may mean a re-registration of the meters.
 - 7.3.4. MV90 limits the speed to 19,200.
 - 7.3.5. No long distance charges will apply.
 - 7.3.6. May reduce the number of MTRs issued.
 - 7.3.7. Meter will have the same password and a new phone number.
 - 7.3.8. Upgrades to the firewall will not apparently affect the arrangement.

8. Market Rule MR00294 TS SS Metering

- 8.1. Presentation by the IESO (see 8 – MR00294_Update.pdf)
- 8.2. This proposed Market Rule amendment is now withdrawn.

9. IT MEC Public Consultation

- 9.1. Presentation by the IESO (see 9 - IT MEC Public Consultation.ppt)
- 9.2. The IESO will now proceed with the update of the Market Manuals to reflect option c.

10. Meter Firmware – ION, Sentinel

- 10.1. Presentation by the IESO (see 10 - 20051116_Conforming_Meter_Firmware_Update.pdf)
- 10.2. PML version 261 and 262 now approved by the IESO.
- 10.3. Sentinel version 5.0 now approved by the IESO

11. CSA IT Standards

- 11.1. Presentation by the IESO (see 11 - 20051116_CSA_Instrument_Transformer_Standards_Update_R2.pdf)
- 11.2. For information purposes only.

12. Time Synch PSI’s

- 12.1. Presentation by the IESO (see 12 – Time Synchronization_PSI Recorders.pdf)
- 12.2. The IESO is proposing that for a period of 6 months it will manually set the time on legacy PSI recorders that drift further than ± 20 seconds (not a common occurrence).
- 12.3. Temporary arrangement applies to legacy PSI recorders only – those that existed in the wholesale system at the time of market open.
- 12.4. It is not clear what the source of the problem is, IESO investigating.
- 12.5. The aim is to reduce the number of MTRs issued.
- 12.6. Copies of the master files will not be sent out – the effected field is an IESO controlled field.
- 12.7. No objections from the RMSC.
- 12.8. Discussion of time drift in general – topic for a future meeting.

13. Alternative Metering Standard – Impact of 1 May 2006

- 13.1. Presentation by the IESO (see 13 – Alternative Metering Installation Standard.pdf)
- 13.2. IESO confirmed that any metering installations, for which the phase 2 packages are received by the 1st April 2006, will be considered to have met the May 2006 cut-off date.

14. IESO Controlled Master File Fields

- 14.1. The IESO is presently reviewing the number and type of IESO controlled fields (billing cycles, call status, and phone number) in the MSP supplied master files.

14.2. Any comments and suggestions should be sent to the IESO Metering. It is expected that a revised document will be presented at the next RMSC meeting.

15. Implementation of new OEB rates

15.1. Presentation by the IESO (see 15 - Implementation of OEB rates.ppt)

15.2. For information only.

15.3. The IESO will approach the LDCs directly.

16. Totalization Tables – Changes

16.1. Presentation by the IESO (see 16 – totalization table_MVSTAR_Implementation.pdf)

16.2. Totalization table model now implemented.

17. Additional Items

17.1. Status of Measurement Canada IT list

17.1.1. As per MC, the IT list must be final as of the 31st Dec 2005.

17.1.2. Approx. 300 ITs will have to be addressed in 2006.

17.1.3. Any MSP/MMP that is aware of a non-type approved IT is advised to contact Networks, and get it added to the list.

Next Meeting: 8th March 2006 at Skymark