

Revenue Metering Standing Committee



Minutes of Meeting

Date held: Oct. 8, 2009	Time held: 09:00 am	Location held: Monte Carlo Inn
Invited/Attended:	Company name:	Attendance Status: (A)ttended; (R)egrets; (S)ubstitute
Mohamed El-Madhoun	Rodan Energy and Metering Solutions	A
Alex Lunycz	Rodan Energy and Metering Solutions	A
Kevin Myers,	Veridian Connections Inc.	S (Tanya Laschuk)
Joanne Turner	Brookfield Power	A
Sulakhan Sandhu	Hydro One Networks Inc.	A
Graham Henderson	Hydro One Networks Inc.	A
Terry Court	Hydro One Networks Inc.	A
Zhanyue Qi (Charles)	Hydro One Networks Inc.	A
Kai Wong	Hydro One Networks Inc.	A
Jeff Simpson	Wecast Industries Inc.	A
Luc Van Overberghe	Measurement Canada	A
Vladimir Stanisic	Ontario Power Generation	A
Zoran Stojanovic	Utilismart Corporation	A
Miroslav Karlicic	Utilismart Corporation	A
Vito Genovese	Horizon Utilities Inc.	A
Matt Weninger	Guelph Hydro Electric Systems	R
Guests:		
Peter Hajek	La Prairie Inc.	A
Rod Reid	N-Sci Technologies	R
Selina Chang	Rodan Energy and Metering Solutions	R

IESO Staff :		
Richard Zaworski	IESO	A
John Antonakos	IESO	A
Neill Wong	IESO	A
Yan Bechamp	IESO	A
Susan Harrison	IESO	A
Elizabeth Morris	IESO	A
Doug Thomas	IESO	A
Scribe: <i>Yan Bechamp</i>		
Please report any corrections, additions or deletions e-mail to yan.bechamp@ieso.ca		

All meeting material is available on the IESO web site at:

http://www.ieso.ca/imoweb/consult/revMetering_sub.asp

Agenda item below:

Item 1 – Items from last meeting

IESO to present in this meeting the following items:

- 1.1 High Accuracy IT's Recommendations and Baseline Update – Presentation for this meeting
- 1.2 Metering Installation Upgrade Lead Times Working Group Facilities – Presentation for this meeting
- 1.3 IT replacement – Metering Installations Upgrade Lead Time Working Group – Update – Presentation for this meeting
- 1.4 Toronto Hydro High Voltage Metering Proposal Update
 - 1.4.1 Toronto Hydro has withdrawn their request to register metering installations under the Market Rule provisions for High Voltage Metering.

Item 2 – Meter Seal Expiry and Meter Installation Upgrade Update

Presentation by the IESO (Seal Expiry Update.pdf)

- 2.1 99 metering installations with 2003-2008 seal expiry remain to be upgraded.
- 2.2 10 metering installations with 2009-2010 seal expiry remain to be upgraded.
- 2.3 237 metering installations with Measurement Canada IT Temporary Permission.

Item 3 – TCPIP Communications for Wholesale Revenue Metering

Presentation by the IESO (TCPIP Communications.pdf)

- 3.1 Reviewed history of Hydro One pilot project highlighting communication statistics.
- 3.2 IESO has included Horizon Utilities Corp to pilot project. No further participants will be accepted for the pilot project.
- 3.3 IESO internal working group established to develop framework for TCP/IP communication. The following elements of the draft document were reviewed;
 - 3.3.1 How to apply for VPN connectivity. The RMSC was in agreement with this process.
 - 3.3.2 Metering standards and communication ports. RMSC felt serial communication (multi-dropping) should be allowed using a sunset clause. This would allow them to take advantage of TCP/IP communication with current assets. IESO agreed to reconsider approach. RMSC would like the IESO to have a closer look at the number of ports that will be opened for communication.
 - 3.3.3 Site to Site VPN. The RMSC was in agreement with site to site VPN connectivity.
 - 3.3.4 Responsibilities. The RMSC was in agreement with the responsibilities.

Item 4 – Embedded Generation Facilities and Settlement of Transmission Tariffs

Presentation by the Hydro One Networks Inc. (Embedded Generation.pdf)

- 4.1 Review of Transmission rate order which specifies application of gross load billing for transmission connection charges.
- 4.2 Reviewed current metering requirements for embedded generation as per IESO Market Rules chapter 6, section 4.5.
- 4.3 It has been identified that IESO Market Rules do not permit use of 'alternative metering installation standard for embedded generation facilities' for facilities registered in the IESO administered market.
- 4.4 Hydro One will seek a market rule amendment to Chapter 6, section 4.5 to apply to all facilities, whether registered in IAM or not. The RMSC was in agreement.

Item 5 – High Accuracy Instrument Transformers

Presentation by the IESO (HAIT WG Status Update.pdf)

- 5.1 The group was presented with the outcome of the High Accuracy Instrument Transformers Working Group.
- 5.2 0.3 Extended Range Test (ERT) no longer accepted unless purchased before December 31, 2009.
- 5.3 0.3 with ERT may be utilized once a new Notice of Approval has been issued for 0.15 ANSI accuracy class or better.
- 5.4 IESO will continue to recognize metering installations registered as of December 31, 2009 with in-service 0.3 class with ERT.
- 5.5 Effective January 1, 2010, application of new 0.15 high accuracy standards.
- 5.6 The RMSC was in agreement with the recommendations of the working group.
- 5.7 Next step of the working group is to develop guidelines for assessment of compliance for CT sizing, performance and accuracy class.

Item 6 – Baseline 22.0 Update

Presentation by the IESO (Baseline 22 Updates.pdf)

- 6.1 Final approved documents posted on the IESO website on September 9, 2009.
- 6.2 Changes to Market Manual 3: Appendix B and Appendix C to support the new EUR process.
- 6.3 The Group was updated on some initial feedback from MSP's which have transitioned to the new reporting format.

Item 6a – Alternative Methodology for Remote IT Spot Check

Presentation by Hydro One Networks Inc. (Alternative Methodology for Remote IT Spot Check.pdf)

- 6.4 Market Rules Chapter 6, Appendix 6.3 states that the testing of current and voltages applied to a meter, supported by independent confirmation of primary current and voltage, shall be used to test the correct operation of all instrument transformer.
- 6.5 Hydro One presented an alternative method using volts, active and reactive power from operational data to derive a current.
- 6.6 The group provided feedback on proposal and IESO agreed to review interpretation of requirements.

Item 7 – 2010 Initiatives

Presentation by the IESO (MI Audit Program.pdf)

- 7.1 Meter Installation Audit Program was reviewed.
- 7.2 Improvement to the audit program would focus on commissioning, routine testing, security, and enhanced monitoring and follow up processes.
- 7.3 Audit approximately 5% of metering installation as opposed to 10% with focus on MSP controls.
- 7.4 Removing commissioning reports from audit and have a separate process to review during registration.
- 7.5 The RMSC would like to see a working group to review audit program.

Presentation by the IESO (Commissioning Post Registration Process.pdf)

- 7.6 All installations must be commissioned in accordance with Market Manual 3.2, Appendix B.
- 7.7 Need to focus on commissioning during the registration process and not during the audit process.
- 7.8 The RMSC did not raise objection for a working group to review and recommend development of commissioning review process.

Presentation by the IESO (Device Seal Expiry.pdf)

- 7.9 MSP's are requested to submit in November their listing of meter device seal along with:
 - Meter Point ID
 - Meter badge number (aka inspection number)
 - Seal Expiry Year
- 7.10 This would help the IESO plan workload for the following year.
- 7.11 Some group member felt that the IESO should consider only requesting the total amount of meters whose seal is about to expire in the upcoming year.

Item 8 – Legacy Meter Replacement – Not “Like for Like” Meters

Presentation by the IESO (Legacy Meter Replacement Not Like for Like Meters.pdf)

- 8.1 At last RMSC meeting on April 2, 2009, Hydro One Networks Inc. proposed that *metered market participants* be permitted to replace legacy meters with meters of better quality that are deemed not “Like for Like.”
- 8.2 Meter replacement deemed not “Like for Like” would require re-registration of the meter as IESO tools (MV-90 and MVStar) can only accommodate “Like for Like” replacement.
- 8.3 Non “Like for Like” meter must be on the Conforming Meter List as a main or alternate and programmed as per the meter framework.
- 8.4 The IESO will allow for these provisions to be implemented immediately.

Item 9 – MSP Performance Measures

Presentation by the IESO (MSP Performance Measures.pdf)

- 9.1 IESO reviewed current MSP performance measures.
- 9.2 IESO went back and redefined measures and standards appropriately.
- 9.3 The RMSC is in agreement with the proposed measures, but, would like to pilot the data to ensure that target measures set are attainable.
- 9.4 It was agreed that the IESO will stop sending the Delivery Point to MSP relationship and Meter Point ID to MSP relationship reports on a monthly basis to Meter Service Providers. These reports will be generated upon request.

Item 10 – MV90 Initiatives – Update

Presented by the IESO (MV-90 xi Initiatives.pdf)

- 10.1 Current IESO MV-90 initiatives were presented. Some of the initiatives were:
 - TIM upgrades (Q1000, ALPHA, and SENTINEL).
 - Pervasive Upgrade.
 - Upgrades needed to prepare for a possible migration to MV-90 xi v3.0.
 - Improvements to system performance as a result of upgrades were also presented.

Item 11 – No Load Losses when disconnected from grid during normal operations

Presentation by IESO (No-Load Losses.pdf)

- 11.1 Some participants as part of their normal operation disconnect their facility from the *IESO-controlled grid*.
- 11.2 Even when disconnected from the grid, no load losses are incurred because of the current limitations of our settlement tools.
- 11.3 A methodology was presented to overcome this issue.
- 11.4 The RMSC did not raise any objections to the proposed methodology.

Item 12 – IESO Performance Survey – Metering and Settlements

Presentation by IESO (Metering & Settlements Performance Survey.pdf)

12.1 IESO will conduct a survey with all MSP's to assess impact and benefits of 2009 Metering and Settlement initiatives and activities.

12.2 The RMSC offered no comments.

Action Item Summary				
#	Date	Action	Status	Comments
1	October 8, 2009	Item #3 action: IESO internal working group to reconsider serial communication for TCP/IP allowing participants to utilize existing metering assets. IESO to review the number of ports that are intended to be open for TCP/IP communications.	<i>Ongoing</i>	
2	October 8, 2009	Item #4 action: IESO to update group on Hydro One request for market rule amendment.	<i>Ongoing</i>	
3	October 8, 2009	Item #5 action: High Accuracy Instrument Transformer Working group to develop guidelines for assessment of CT sizing, performance and accuracy class..	<i>Ongoing</i>	
4	October 8, 2009	Item #6. a) action: IESO to review IT Spot check requirements and provide interpretation to group	<i>Ongoing</i>	