

Revenue Metering Standing Committee

Minutes of Meeting

Date: May 16, 2017	Time held: 9:00 AM	Location held: Crowne Plaza, Toronto Airport	
No	Name	Company	Attendance Status (A)ttended; (R)egrets; (S)ubstitute
1	Mark Vanderheide	BlueWater Power Distribution Corporation	A
2	Tyler Gray	BlueWater Power Distribution Corporation	A
3	JoAnn Turner	Brookfield Renewable Power	A
4	Mark Pearce	EnWin Utilities LTD	A
5	Paul Rempel	EnWin Utilities LTD	A
6	Mark Bax	Erie Thames Powerlines Corp.	A
7	Aaron Murphy	Erie Thames Powerlines Corp.	A
8	Hans Paris	Guelph Hydro Electric Systems Inc	A
9	Philip Genovese	Alectra Utilities Corporation	A
10	Bill Luo	Alectra Utilities Corporation	A
11	Rob Henschel	Alectra Utilities Corporation	A
12	Charles Qi (Zhanyue)	Hydro One Network Inc.	A
13	Jennie Wu	Hydro One Network Inc.	R
14	Paul Szymanski	Hydro One Network Inc.	A
15	William Cheng	Hydro One Network Inc.	A
16	Jack Wei	Hydro One Network Inc.	A
17	Daniel Luxmore	Hydro Ottawa Limited	A
18	Nathan Rutherford	Hydro Ottawa Limited	A
19	Heather Kline	IESO	A
20	Neil Arcot	IESO	A
21	Richard Zaworski	IESO	A

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22	Robert Stancu	IESO	A
23	Yan Bechamp	IESO	A
24	Robert Reid	N-SCI Technologies Inc.	A
25	Jon Pasiak	N-SCI Technologies Inc.	A
26	Muhammad Ali	Ontario Power Generation	A
27	Mike Chopik	Oshawa PUC Networks Inc.	R
28	Roger Ersil	Oshawa PUC Networks Inc.	A
29	Eddie Augusto	Alectra Utilities Corporation	A
30	Dave Sharpe	Peterborough Utilities Inc.	A
31	Robert Hnatejko	Rodan Energy Solutions Inc.	A
32	Mike Lenarduzzi	Rodan Energy Solutions Inc.	R
33	Nishant Gehani	Rodan Energy Solutions Inc.	A
34	Bohdan Lunycz	Rodan Energy Solutions Inc.	A
35	Gordon Hadaller	Stern Laboratories Inc.	R
36	James Mann	Thunder Bay Hydro Electricity Distribution	A
37	Michael Marchant	Toronto Hydro-Electric System Limited	A
38	Robert Cappadocia	Toronto Hydro-Electric System Limited	A
39	Jermaine Stern	Toronto Hydro-Electric System Limited	A
40	Miroslav Karlicic	Utilismart Corporation	A
41	Geetika Tandon	Veridian Connections Inc.	A
42	Mike Kuntz	Waterloo North Hydro Inc.	A
43	Robert Gudzak	Waterloo North Hydro Inc.	A

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All meeting material is available on the IESO web site at: [IESO Revenue Metering Standing Committee](#)

RMSC Agenda Items/Minutes:

Brief opening remarks by the Chair and agenda demonstration and introductions

1. Seal Expiry Presentation (IESO - Yan Bechamp)

- 1.1. 23 meter installations remain to be upgraded. Statistics discussed and progress updates from Online IESO start 2 years ago.
- 1.2. 80% of metering installations records verified in Online IESO

2. Non Compliance Events – (IESO - Richard Zaworski)

- 2.1. Background on rights and responsibilities. Under Chapter 3, Section 6, Enforcement carried about by Market Assessment and Compliance Division (MACD). It was noted that MMP non-compliance can result from non-compliance from a Metering Service Provider (MSP). The compliance action against a MSP is done by the IESO Metering Group.
- 2.2. Revocation can be initiated when MSP doesn't meet obligations, specifically, on a consistent basis. However, this represents a broad set of rules under which the IESO can revoke an MSP registration. Typically non-compliance events can be identified via a number of venues – audits, registration, MACD notification, Non-Compliance Event Reports , Day-day interaction, etc.
- 2.3. Can initiate a Records and Procedures audits to gather facts related to a MSP non-compliance event and a review of MSP's processes and procedures in respect of meeting obligations. We haven't deregistered an MSP yet, but there is a process that is triggered when revocation occurs.
- 2.4. Four similar non-compliance events have been identified in 2016. The details of the non-compliance events and the relevant market rules were discussed.

3. IESO Clock Drift Policy – (IESO - Yan Bechamp)

- 3.1. ION meters drifting – requiring multiple resets. Schneider Electric determined it was a faulty connector – upon oxidization on the connector the battery wouldn't maintain the clock on the meter. As a result the IESO issued a communication with respect any meter with a clock drift – the IESO rules determine that defects be repaired as soon as practicable.
- 3.2. For each incident identified a meter trouble report (MTR) will be issued, MSP will be provided up to two opportunities to address the malfunctioning meter clock, if there are 3 MTR's for the same meter, a Conformance Monitoring incident will be created to track this. This occurs over a three year period.

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3.3. The IESO has identified 24 meters, 19 were closed by the deadline. The remaining 5 required an extension as they are remote locations. Since this time 9 additional have been opened – 5 closed, 4 open.

4. MSP Performance Measures – (IESO - Heather Kline)

- 4.1. Performance reports will be made available starting July 2017 with reports available in Online IESO.
- 4.2. Several exclusions will be encoded in the performance reports where applicable to contend with virtual private network disconnections and power outages.
- 4.3. Measures 6, 7, 12 and 13 are key measures with targets of 0 – they are tied into the market rules – all MTR's need to be responded to by preliminary settlement statement, final settlement statement. The IESO deems the meter registry as the specific information that the MSP needs to provide as outlined in Appendix 6.5, this is the component of the registry.
- 4.4. For measure 9, whether it's an energy or transmission point, we will be measuring response. The MSP response will be tracked independent of the MMP response.

5. Records and Procedures Audit (IESO – Yan Bechamp)

- 5.1. This audit is conducted in accordance with all guidelines under the MSP Agreement Section 4.8. Audit is centred on if procedures and processes will satisfy our market rules and manuals. Market Rule Chapter 6, Section 5.3 also considers revocation under 4 of the conditions outlined in the section.
- 5.2. In performance measures 12 and 13 related to non-compliance events, these are significant events that will normally not be included until there is an audit of Records and Procedures. You will typically know about those measures well before it is on the report. Those 2 measures are reviewed by senior staff before becoming official.
- 5.3. At first the IESO and MSP agree on the facts, then make an assessment based on the facts. That will determine if there is a compliance plan, an audit or included on the measure.

6. Market Manual 3.7 – (IESO -Robert Stancu)

- 6.1. The previous tool included a total loss factor (TLF) application automatically on the Received and Delivered channels. Now there is possibility to do it separately – only on the delivered; received we are only going to put in a 0.
- 6.2. An Ontario Energy Board rate order was issued stating that an MSP may only have to pay the host TLF. The Measurement Error Correction register on TLF will stay the same – delivered and received – but the TLF will only apply on the delivered.
- 6.3. The IESO is currently building a new template for declaring this type of losses and MSP's will need to select which type of loss application is applied.

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7. Market Manual 3.9 – Conformance Monitoring – (IESO - Neil Arcot)

- 7.1. Introduction to new performance monitoring initiatives including audits and performance measures
- 7.2. Reference to new regulations around ‘Records and Procedures’ audits to ensure compliance and administered as necessary
- 7.3. Several performance measures have been developed to ensure a sustainable and effective market. Detailed descriptions of measures and targets are now available.

8. IESO Online Registration Records (IESO – Robert Stancu)

- 8.1. The IESO is currently completing an exercise to transfer paper records to electronic records for metering installations in Online IESO.
- 8.2. The IESO’s current audit schedule was selected with a filter to ensure that as many audits are performed at sites with complete records.
- 8.3. At the moment, MSP’s are not required to re-verify the records in Online IESO but this does not preclude MSP’s from verifying to ensure data transfer accuracy.

MSP Users Group Meeting

9. MSP Community – (IESO - Heather Kline)

- 9.1. MSP users are encouraged to use the community portal where meeting minutes and presentations will be made available. Conforming meter list frameworks will be available here and Itron Translation Interface Module (TIM) assignments for each meter are also available.
- 9.2. Suggest MSP staff use the various features and tools for identifying dates impacted based on trade date. The Metering Installation Registration Tool (MIRT) has also been updated and is available for download.

10. Conforming Meter List – (IESO - Neil Arcot)

- 10.1. Several drivers in the Ontario environment point to need for new sourcing options for meters. Several meter manufacturers have strategies aligned with IESO interests and potential devices available for sale.
- 10.2. The IESO is proactively working with several manufacturers to market the appeal of the Ontario and Canadian meter market.
- 10.3. Details will be forthcoming in the coming months and any further developments will be communicated to MSP’s.

11. Walk in items

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Action Item Summary				
#	Date	Action	Status	Comments
1	May 16	IESO to investigate one button to link multiple single line diagrams (SLD) into one SLD.	New	
3	May 16	IESO to send link to MSP portal	New	

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