

Minutes of the Revenue Metering Standing Committee (RMSC)

Meeting date: 24/June/2021
Meeting time: 9:30 a.m.
Meeting location: Virtual (MS Teams)

Sponsor: Victoria Falvo, Senior Manager, Meter Data Management
Chair and Facilitator: Tiberiu Abid – Engineering Supervisor, Meter Data Management – Revenue Metering

Objective

Review, inform, and discuss with Metered Market Participants (MMP) and Metering Service Providers (MSP) changes and updates with regards to revenue metering in the IESO-administered markets.

Agenda Item 1: Welcome Remarks (presented by Victoria Falvo)

Victoria acknowledged sustained performance from the MSP community during the pandemic. She highlighted IESO's recent June stakeholder engagement activities (<https://www.ieso.ca/en/Sector-Participants/Engagement-Initiatives/Engagements/June-2021>). General housekeeping reminders for the virtual meeting such as muting mics when not speaking, using 'raise hand' feature in MS Teams, and capability to send questions via the chat. A survey will be provided at the end of the meeting and committee members were encouraged to provide feedback.

Agenda Item 2: Administrative Items (presented by Tiberiu Abid)

- 2.1 Today's agenda was presented and approved.
- 2.2 Tiberiu (Tibby) reviewed the previous RMSC meeting minutes, which was approved by the committee without objection.
- 2.3 Tibby provided update remarks to the open action items. Refer to action item summary below for further details.

Agenda Item 3: IESO's Metering Updates (presented by Zahir Gohgari and Dharani Adunuri)

- 3.1 Zahir shared the current IESO metering staff organizational chart and welcomes new staff to the committee. Key statistics relating to IESO-Administered Markets' metering population and MTRs were presented. Audience Poll #1 was conducted "When will MSPs migrate remaining Phone Line meters to TCP/IP? (Mandated by IESO)". A positive trend was observed. Zahir shared IESO's various concerns with maintaining analog phone line technology. A reminder that

IESO's mandate is to upgrade phone line communications to TCP/IP during meter replacement due to seal expiry.

- 3.2 MSP performance metrics were presented by Dharani Adunuri. In general, positive MSP performance was observed over the last 12 months (May 2020 – April 2021), however it was noted that MSPs overall continue to perform below the target for Measure 11 "Timely Submission of Commissioning Reports". Audience Poll #2 was conducted "Do MSPs actively monitor their performance metrics on a monthly basis?". A reminder that IESO does expect MSPs to actively monitor, review and improve their performance measures on a monthly basis. Audience Poll #3 was conducted "What are the main challenges MSPs face when aiming to meet the required performance targets?". Market Rules and Market Manuals are the primary source of information relating to MSP obligations. MSPs are encouraged to reach out to IESO if they are facing any exceptional challenges. An MSP representative expressed interest in reintroducing a training seminar or class as was facilitated by the IESO in the past. Dharani responded that development of an IESO training program for MSPs is underway and more progress will be shared later in 2021. [See item #3 of the Action Item Summary below]
- 3.3 Meter registration activities were shared with comparisons drawn to the previous two years. No remarkable challenges to date, however it was noted that activity in coming summer months is anticipated to increase similar to experience from previous years.
- 3.4 IESO updated the latest Translation Interface Module (TIM v3.2.2.4) used in MV-90 for Alpha A3 meters. New firmware v4.040.001 for ION 8650 meters has been successfully tested and added to the Conforming Meter List (CML). There are no changes to meter configuration or commissioning requirements resulting from these updates.

Agenda Item 4: Meter Phase Rotation (presented by Daniel Coffin)

- 4.1 Daniel presented IESO's observations relating to meter phase rotation. In the IESO-controlled grid, branch circuits are assumed to be ABC phase rotation, however through a combination of field audits and review of commissioning reports IESO discovered several meter installations expressing ACB phase rotation. This agenda item triggered insightful discussion and comments from several MSP representatives which will be addressed through a separate meeting invitation to committee members to clarify existing regulatory standards and IESO's remedial plan with respect to these findings. [See item #4 of the Action Item Summary below]

Agenda Item 5: Meter Power Supply – Automatic Transfer Switch (presented by Ji Gao)

- 5.1 Ji presented the concept of an Automatic Transfer Switch (ATS) that could potentially be utilized redundant power supply to meters and communication equipment. Before widespread implementation is permissible for use in the IESO-Administered Markets, revisions to Market Manuals, related processes, and the Online IESO registration tool would be required. Some concerns were raised by committee members such as potential for failure, maintaining visibility of power sources, impact to MEC calculations, and cost/benefit of implementation. Poll #4 was conducted "Following this presentation and subsequent discussions, what is the level of interest among MSPs to implement an ATS?". More consultation with committee members is required to

evaluate the merits and interest of utilizing ATS equipment. [See item #5 of the Action Item Summary below]

Agenda Item 6: Roundtable Discussion

- 6.1 An MMP representative asked whether IESO revenue metering data could potentially be utilized for other purposes (e.g. to support synchronous phasor/PMU initiative). Tibby expressed that metering has not been in consultation on this specific operations initiative, however the MMP is encouraged to contact IESO customer relations at 1-888-448-7777 or customer.relations@ieso.ca to seek additional information.
- 6.2 An MSP representative expressed a recent experience with IESO whereby they were challenged to connect with the appropriate IESO IT department to resolve a communication issue related to metering. IESO acknowledges the concern and will look into finding efficiencies for MSPs to connect with the appropriate IESO IT department. [See item #6 of the Action Item Summary below]

Agenda Item 7: RMSC Member Survey

Link to survey was shared with committee members to provide feedback on RMSC meeting quality.

Agenda Item 8: Closing Remarks (Victoria Falvo)

A summary review of today's meeting of the RMSC and an expression of intent to meet again at the next RMSC in December was shared by Victoria.

Action Item Summary

	Date	Action	Status	Comments
1	Jun 2020	IESO to review and have a discussion with MSPs and get some insight regarding issuing a common commissioning template to all MSP's to potentially raise the performance of timely submission of commissioning reports (Measure 11).	In Progress	Jun 24/21: on March 4, 2020, the market manual 3.2 Meter Point Registration and Maintenance, Appendix B, was revised to provide additional details regarding IESO's requirements for commissioning a metering installations and clearly identifies the acceptable supporting results comprising the commissioning reports. This represents the criteria that is assessed for approval by IESO upon receipt of the commissioning report package. IESO may reach out to the MSPs with a survey to gauge further interest on IESO prepare a general template for commissioning reports.
2	Jun 2020	IESO to investigate the potential capability for Online IESO to allow MSPs to submit revised SLDs for in flight registrations.	In Progress	Jun 24/21: minor progress due to other priorities and shortage of IESO staff.
3	Dec 2020	IESO to review and have a discussion internally to see how to best support MSPs with training requirements. MSPs are encouraged to provide their input via email which could result in a joint working group.	In Progress	Jun 24/21: IESO intends to develop a formal MSP Training Plan document to support the MSP's training needs in the future. The IESO will reach out to the MSPs with a survey to assess the MSP training needs and develop the training plan.

	Date	Action	Status	Comments
4	Jun 2021	IESO to invite committee members to continue discussion relating to meter phase rotation and remedial plan.	Open	The IESO will schedule a follow up meeting with the MSPs to discuss this further.
5	Jun 2021	IESO will conduct a formal survey to identify specific interest in the use of ATS equipment.	Open	
6	Jun 2021	IESO to look into finding internal efficiencies for MSPs to connect with the appropriate IESO IT department.	Open	

Participation List

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Philip Genovese	Alectra Utilities Corp.	Attended
Vito Genovese	Alectra Utilities Corp.	Attended
Rob Henschel	Alectra Utilities Corp.	Attended
Robert Hnatejko	Alectra Utilities Corp.	Attended
Ken Parkes	Alectra Utilities Corp.	Attended
Alice Roman	Alectra Utilities Corp.	Attended
Denis Tse	Alectra Utilities Corp.	Attended
Ted Villemaire	Alectra Utilities Corp.	Attended
Ryan Anderson	CRU Solutions Inc.	Attended
Joe Klassen	CRU Solutions Inc.	Attended
Ankitkumar Patel	CRU Solutions Inc.	Attended
Mark Vanderheide	Electek Power Services Inc.	Attended
Jessie Bondy	Enwin Utilities Ltd.	Attended
Bartek Gruszczynski	Enwin Utilities Ltd.	Attended
Patrick Casey	Essex Energy Corp.	Attended
Bill Luo	Hydro One Networks Inc.	Attended

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Kimberly Maves	Hydro One Networks Inc.	Attended
Michael Ossowiecki	Hydro One Networks Inc.	Attended
Mark Townsend	Hydro One Networks Inc.	Attended
Nikola Tripic	Hydro One Networks Inc.	Attended
Jack (Chen) Wei	Hydro One Networks Inc.	Attended
Ryan Toonders	Hydro Ottawa Ltd.	Attended
Terry McConnell	Meter Services Peterborough	Attended
David Sharpe	Meter Services Peterborough	Attended
Robert Bird-Thompson	N-Sci Technologies Inc.	Attended
Saad Malakhail	Ontario Power Generation	Attended
Anusan Balachandran	Rodan Energy Solutions Inc.	Attended
Dave Belluz	Rodan Energy Solutions Inc.	Attended
Nishant Gehani	Rodan Energy Solutions Inc.	Attended
Ali Hassan	Rodan Energy Solutions Inc.	Attended
Bohdan Lunycz	Rodan Energy Solutions Inc.	Attended
Daniel Dillon	Thunder Bay Hydro	Attended
Vinson Kan	Toronto Hydro Electric System Ltd.	Attended
Jermaine Stern	Toronto Hydro Electric System Ltd.	Attended

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Elizabeth Thomas	Toronto Hydro Electric System Ltd.	Attended
Miroslav Karlicic	Utilismart Corp.	Attended
Rob Gudzak	Waterloo North Hydro Inc.	Attended