

Minutes of the Revenue Metering Standing Committee (RMSC)

Meeting date: 09/December/2021
Meeting time: 9:30 a.m.
Meeting location: Virtual (MS Teams)

Sponsor: Victoria Falvo – Senior Manager, Meter Data Management
Chair and Facilitator: Adeel Ahsan – Senior Engineer, 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.

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

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

Victoria acknowledged overall MSP performance has been very positive the past year. Positive results were also observed for the audit program with no significant issues identified. A formal survey for feedback will not be included in this RMSC meeting. Lia Kosic, the new Director of Settlements at IESO, introduced herself to the MSP community.

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

2.1 Meeting agenda was approved final.

Previous RMSC meeting minutes were approved by the committee without objection.

The action items were reviewed and the revised status and comments are documented in the action item summary shown below.

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

3.1 Zahir shared the updates to the IESO metering staff and the current organizational chart. Key statistics relating to IESO-Administered Markets' metering population and MTRs were presented. Zahir shared IESO's various concerns with maintaining analog phone line meter communications. Highlighted we are seeing progress migrating phone line metering communications to TCPIP.

3.2 Meter registration activities were shared with comparisons to the previous two years. Activity is trending lower in 2021. Zahir shared IESO is looking for improvement opportunities to make

interactions with field techs and the registration desk more streamlined. MSPs were encouraged to reach-out to IESO if they have any ideas.

- 3.3 Timeframe of the 2021 Audit program was shared. 2021 was a successful year. 2022 Audit program will be planned in February 2022. Victoria mentioned we were limited in conducting audits in northern areas that required overnight stays due to pandemic. This was taken into account the past 2 years but we are hoping in 2022 we won't have the restrictions.
- 3.4 MSP performance over the last 12 months (October 2020 – September 2021) was presented. Overall MSP performance is positive, however it was noted that MSPs overall continue to perform below the target for Measure 11 "Timely Submission of Commissioning Reports".

Zahir shared observations of Commissioning report submissions. MSP should focus on avoiding late submissions to improve their MSP performance.

Hydro One MSP commented on the lower trends they experienced for measure #1 for communication success rate on first attempt. If other MSPs experienced similar trends they are free to reach out to Hydro One to share observations.

Agenda Item 4: Results from 2021 Commissioning Template Survey (presented by Daniel Coffin)

- 4.1 Daniel shared results of Commissioning template survey issued to MSPs. Reference RMSC materials.

Agenda Item 5: IESO Other Updates (presented by Dharani Adunuri)

- 5.1 Dharani provided update on current population of Schneider ION 8650-V421 meters with unlocked module vulnerability. MSPs are reminded to take a look at their affected meter population and if they took any resolutions to correct the issue (super-user password or re-sealing meter), please inform IESO.
- 5.2 Dharani shared new IESO Workplaces platform. Dharani navigated MSPs how to find Conforming Meter List. All content from MSP users group portal was migrated to IESO Workspaces effective July 23, 2021. All MSPs who had an active account on MSP user group portal were notified by IESO's IT team. If MSPs were not aware of change or had any questions, please reach out to IESO customer relations.

Audience Poll #1 was conducted "Are MSPs setup to use Work Spaces and have the required Access?" Most MSP were not aware of migration. IESO will discuss internally if sending another reminder is required.

- 5.3 Dharani shared project to update MIRT/MVT Tool is in final stages of approval. Estimated start date to upgrade tools is Q3 2022. IESO will reach out to MSPs for feedback.

Agenda Item 6: Metering Training Program (presented by Jeffrey Huang)

- 6.1 Jeffrey provided update on metering training program for MSPs. A training plan is currently in the development stage. Reference RMSC materials.

An MSP representative asked to consider adding a high level overview of the facility registration process. Jeffrey said we will consider incorporating it into training program.

Agenda Item 7: Station Service Estimates (presented by Barry Spencer)

- 7.1 Barry presented current process of reviewing station service estimates. Reference RMSC materials.

Agenda Item 8: Roundtable Discussion

- 8.1 An MSP representative asked if there is a way to not issue MTRs for Main vs. Alt comparisons for very low loads.

Zahir indicated we tweaked our process to not issue these MTRs.

- 8.2 An MSP representative asked about audit remedial submissions for sites registered before Online IESO. As a result of an audit, MSP will get remedial tasks based on populating the system. Is there a better way to get the information up to date in the system?

Adeel said when performing an audit, we have a process of looking into our internal systems for all documents submitted in the past. If we are not able to locate the information we will report it as a finding.

- 8.3 An MSP representative asked if there were any updates to the study on time drifts associated with frequency fluctuations in the system.

Zahir said we are waiting for an opportunity to document the option to convert the meter to crystal (internal) clock from frequency. Tibby said an update to the current requirements must be completed to allow MSP to select this option in the field. An MSP representative said the recommendation from Schneider is to set the meter to internal clock. An MSP representative commented he would like to see it as option. An MSP representative also inquired about utilizing 'IRIG' to synchronize the meter clock. This option currently is not in consideration but the IESO is open to discuss if the MSPs wish to pursue this further.

- 8.4 An MSP representative said they are being penalized for minor errors in the first submission of a commissioning report. Has there been consideration to remove the requirement for correctness?

Daniel said we sometimes undo the metric if it is a valid mistake. A rejected commissioning report may be overturned so it does not affect MSP performance. However, it is important the results reflect what is done on the commissioning report.

- 8.5 An MSP representative asked how can a MSP ensure their meter population is not affected with the ION 8650-V421 unlocked module vulnerability.

Dharani said we track meters during registration to ensure meters in inventory are resolved prior to installation. There is a check in place for the Main vs. Alt comparison to identify if a meter has been modified inadvertently.

- 8.6 An MSP representative had trouble understanding if IESO Workspaces is something that needs to be added to Gateway or is it located somewhere else. All he sees in Gateway is Online IESO.

Dharani said they are two separate links. One of the links is for Online IESO and the other is for IESO Workspaces. MSP will reach-out to Dharani for a walk-through to access IESO Workspaces.

- 8.7 An MSP representative asked what do we use IESO Workspaces for.

Dharani said IESO Workspaces is accessed separately from Online IESO. There are no tasks associated with IESO Workspaces. It is a document sharing portal for uploading relevant documents such as RMSC meeting materials and CML framework.

Agenda Item 9: Closing Remarks (Victoria Falvo)

Victoria shared a summary review of today's RMSC meeting and expressed the intent to meet again at the next RMSC in 2022.

Action Item Summary

1	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).	Closed	<p>Dec 9/21: IESO conducted a survey on this topic. The survey details and next steps were discussed as part of the meeting. Starting in 2022 the IESO will engage with the MSPs to develop the commissioning template. The action item was closed at the meeting.</p> <p>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.</p>

	Date	Action	Status	Comments
2	Jun 2020	IESO to investigate the potential capability for Online IESO to allow MSPs to submit revised SLDs for in flight registrations.	Closed	<p>Dec 9/21: The proposed new functionality would require upgrading the Online IESO process flow. Due to resource constraint to support other IESO initiatives (e.g., MRP/RSS) any non-critical software changes are deferred until some resources are made available. We added this functionality to our Online IESO enhancement list. The action item was closed at the meeting.</p> <p>Jun 24/21: minor progress due to other priorities and shortage of IESO staff.</p>
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 an joint working group.	Propose to Close	<p>Dec 9/21: IESO conducted a survey on this topic. The survey details and next steps were discussed as part of the meeting. Starting in 2022 the IESO will engage with the MSPs to develop the training plan. The action item was closed at the meeting.</p> <p>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.</p>

	Date	Action	Status	Comments
4	Jun 2021	IESO to invite committee members to continue discussion relating to meter phase rotation and remedial plan.	Open	<p>Dec 9/21: Follow up meeting conducted on Sep 15/21. The meeting did not yield any changes to the initial remediation plan.</p> <p>Based on IESO's discussions with Measurement Canada, it has been recognized the need to revise the current Measurement Canada S-E-08 to ensure clarity regarding this issue. MC plans to revise the S-E-08 by Q3-2022. Until then, IESO will pause the enforcement of the current remediation plan. There is no action required by the MSPs until S-E-08 specifications are clarified/ revised by Measurement Canada. The action item will stay open.</p> <p>Jun 24/21: The IESO will schedule a follow up meeting with the MSPs to discuss this further.</p>
5	Jun 2021	IESO will conduct a formal survey to identify specific interest in the use of ATS equipment.	Closed	<p>Dec 9/21: The IESO commenced one year monitoring of an ATS equipment installed as part of some existing metering installations. We will determine the next steps based on the data gathered during the monitoring period. The action item was closed at the meeting.</p>

	Date	Action	Status	Comments
6	Jun 2021	IESO to look into finding internal efficiencies for MSPs to connect with the appropriate IESO IT department.	Closed	Dec 9/21: The IESO reviewed the processes for the MSPs to connect to the appropriate IESO IT department. Concluded MSP should use existing venues to send inquires (MTR Hotline, Metering Installations mailbox, Customer Relations, etc.). The action item was closed at the meeting.
7	Dec 2021	IESO to revise the appropriate rules to allow meter settings to crystal (internal) clock.	Open	

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
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
Mark Vanderheide	Electek Power Services Inc.	Attended
Jessie Bondy	Enwin Utilities Ltd.	Attended
Mitchell Dietrich	Enwin Utilities Ltd.	Attended
Patrick Casey	Essex Energy Corp.	Attended
Jacek Kliber	Hydro One Networks Inc.	Attended
Bill Luo	Hydro One Networks Inc.	Attended
Kimberly Maves	Hydro One Networks Inc.	Attended
Jaspreet Nijjar	Hydro One Networks Inc.	Attended
Michael Ossowiecki	Hydro One Networks Inc.	Attended

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
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
Nand Arora	N-Sci Technologies Inc.	Attended
Robert Bird-Thompson	N-Sci Technologies Inc.	Attended
James Mann	N-Sci Technologies Inc.	Attended
Rob Reid	N-Sci Technologies Inc.	Attended
Saad Malakhail	Ontario Power Generation	Attended
Anusan Balachandran	Rodan Energy Solutions Inc.	Attended
Ahmed Haji	Rodan Energy Solutions Inc.	Attended
Ali Hassan	Rodan Energy Solutions Inc.	Attended
Kevin Schlauch	Rodan Energy Solutions Inc.	Attended
Daniel Dillon	Thunder Bay Hydro	Attended
Vinson Kan	Toronto Hydro Electric System Ltd.	Attended
Riad Khan	Toronto Hydro Electric System Ltd.	Attended
Elizabeth Thomas	Toronto Hydro Electric System Ltd.	Attended

Invitees	Representing	Attendance Status Attended, Regrets, Teleconference
Miroslav Karlicic	Utilismart Corp.	Attended
Rob Gudzak	Waterloo North Hydro Inc.	Attended
Mike Kuntz	Waterloo North Hydro Inc.	Attended