



DECEMBER 9, 2021

Revenue Metering Standing Committee

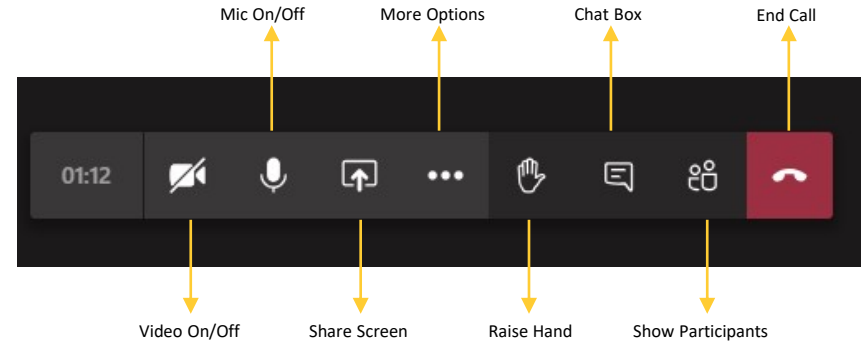
Various Presenters

Meeting Essentials

Please ensure you mute your microphone during the presentation.

If you have a question or comment you may:

- Unmute your microphone; or
- Use the chat feature



Administrative Items

- Review current meeting agenda
- Review and approval of last meeting minutes

Action Items

#	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).	Propose to Close	Dec 9/21: IESO conducted a survey on this topic. The survey details and next steps will be discussed as part of the Dec 2021 RMSC meeting. 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.

Administrative Items - Updates on action items

#	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.	Propose to Close	Dec 9/21: The proposed new functionality would require upgrading the Online IESO process flow. Due to resource constraints 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. Jun 24/21: - minor progress due to other priorities and shortage of IESO staff

Administrative Items - Updates on action items

#	Date	Action	Status	Comments
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	Dec 9/21: IESO conducted a survey on this topic. The survey details and next steps will be discussed as part of the Dec 2021 RMSC meeting. 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.

Administrative Items - Updates on action items

#	Date	Action	Status	Comments
4	Jun 2021	IESO to invite committee members to continue discussion relating to meter phase rotation and remedial plan.	Open	Dec 9/21: Follow up meeting conducted on Sep 15/21. The meeting did not yield any changes to the initial remediation plan. 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. Jun 24/21: The IESO will schedule a follow up meeting with the MSPs to discuss this further.

Administrative Items - Updates on action items

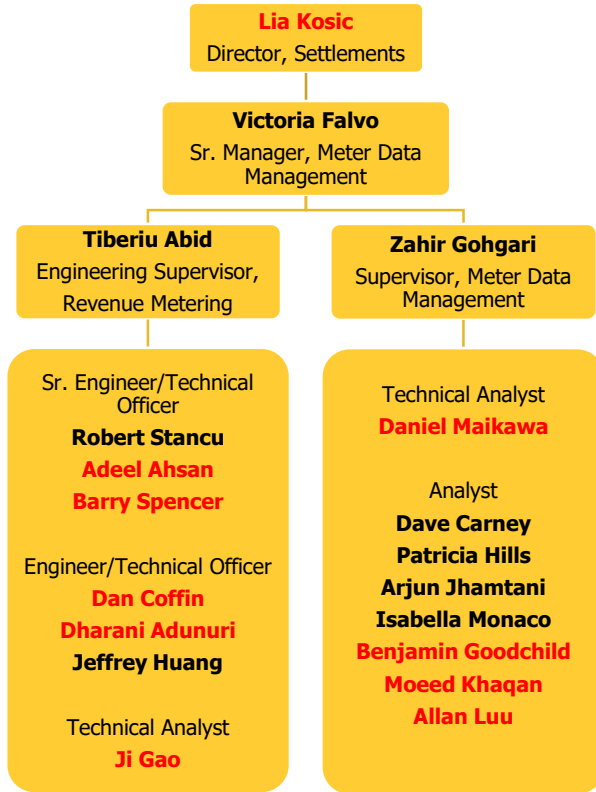
#	Date	Action	Status	Comments
5	Jun 2021	IESO will conduct a formal survey to identify specific interest in the use of ATS equipment.	Propose to Close	Dec 9/21: The IESO commenced one year monitoring of an ATS equipment installed as part of some existing metering installations. We will determine the next steps based on the data gathered during the monitoring period.
6	Jun 2021	IESO to look into finding internal efficiencies for MSPs to connect with the appropriate IESO IT department.	Propose to Close	Dec 9/21: IESO has reviewed our internal process to address MSP inquiries. MSPs can continue to send inquiries through the MTR hotline, metering installations mailbox, or Customer Relations and the appropriate support will be provided.



Metering Updates

Zahir Gohgari | Supervisor – Meter Data Management

IESO Staff Updates



Changes:

- Lia Kasic – New Director of Settlements
- Jeanette Briggs – Now Director of Corporate Finance (Previous Director of Settlements)
- Adnan Jabbar – Rotation with IESO settlements
- Dharani Adunuri & Ji Gao – Moved to Revenue Metering
- Adeel Ahsan & Barry Spencer – Senior Engineer/Officer roles
- Dan Coffin – Technical Officer role
- Daniel Maikawa – Technical Analyst Role
- MDM has 3 new Analyst staff (Ben Goodchild, Moeed Khaqan & Allan Luu)

Metering Installations by the numbers

Total of 2419 metering installations registered in IESO Administered Market (IAM)

Physical Metering Installations

- 2172 physical metering installations
- 1808 registered under the Declaration of Compliance (DOC)
- 364 registered under the Alternative Metering Installation Standard (AMIS)

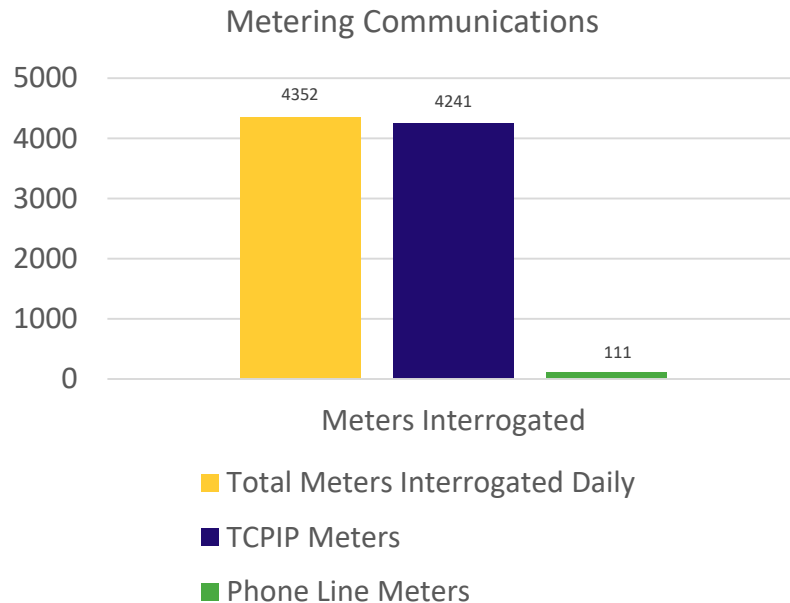
Metering Installations by the numbers

Virtual Metering Installations

- 247 virtual metering installations
- 63 represent unmetered station service
- 46 represent estimates for the purpose of allocating station services between MMP's
- 138 represent embedded generation for the purpose of transmission tariff (Form 1563)

Metering Communications

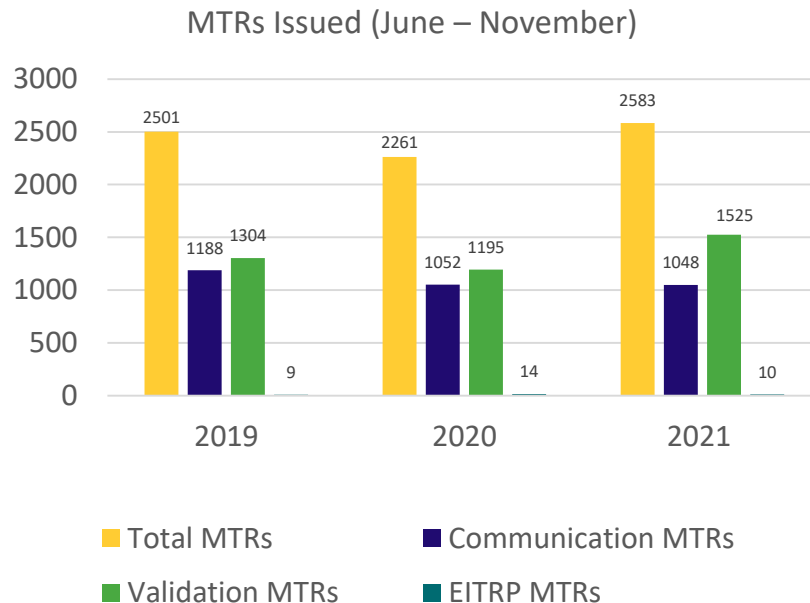
- 4352 Meters interrogated daily
- 4241 via TCPIP (97%)
- 111 via telephone lines (3%)



Meter Trouble Reports (MTRs) Overview

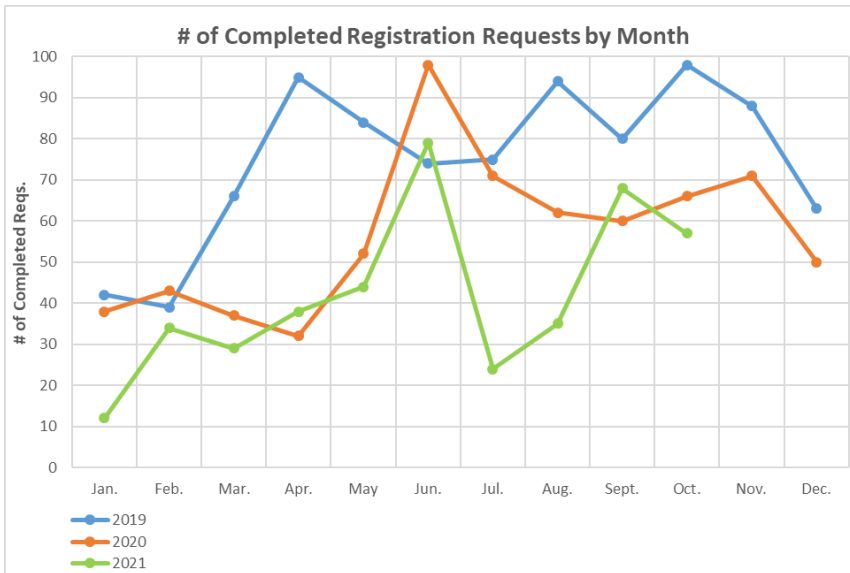
From June 2021 – November 2021:

- 2583 MTRs issued to date
- 1048 Communication and 1525 Validation MTRs
- 10 EITRP MTRs



Meter Registration Hotline Activities & Enhancements

- 345 completed (June 2021 – Oct 2021)
- Register Metering Installation (7)
- Update Metering Installation (125)
- Like for Like Update (198)
- Deregister Metering Installation (15)



2021 Audit Program

- Audit site visits → started in July 2021 - completed in Oct. 2021
- Audit reports → target completion by mid-Dec. 2021
- Audit planning 2021 → starting in Feb. 2022

Overall MSP Performance Summary

- Positive MSP performance over the last 12 months (October 2020 – September 2021)
- Approximately 94% of the Meter Installations do not experience communication MTRs on a monthly basis (Measure 3)
- Approximately 96% of Meter Installations do not experience validation MTRs on a monthly basis (Measure 4)

Overall MSP Performance Summary

- MTR responses has shown positive results relating to:
 - MTRs Resolved Within 2 Business Days of Issuance (Measure 5)
 - Number of Unresolved MTRs by Preliminary Settlement Statement (Measure 6)
 - Number of Unresolved MTRs by Final Settlement Statement (Measure 7)

Overall MSP Performance Summary

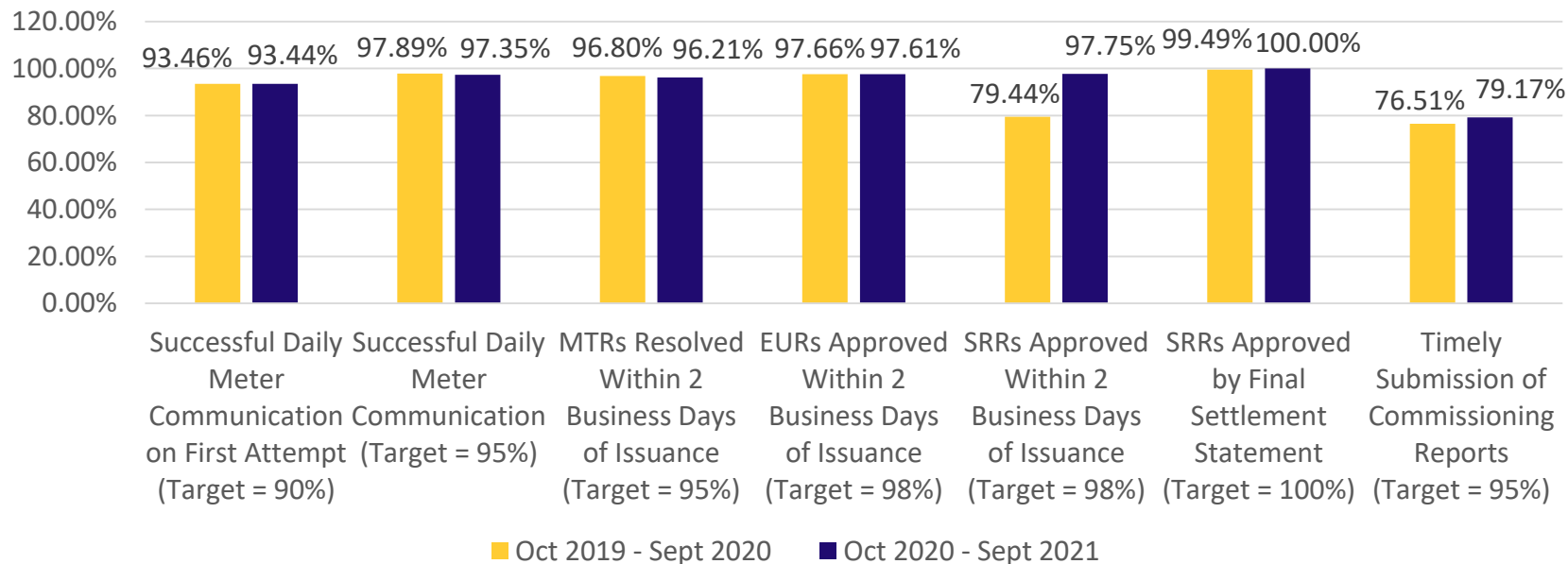
- Registration activity has shown positive results relating to:
 - EURs Approved Within 2 Business Days of Issuance (Measure 8)
 - SRRs Approved Within 2 Business Days of Issuance (Measure 9)
 - SRRs Approved By Final Settlement Statement (Measure 10)
- Registration activity has shown low performance relating to:
 - Timely Submission of Commissioning Reports (Measure 11)

Overall MSP Performance Summary

- Measure 12, “Metering Registry Errors” have been 0 over the last couple of years
- Measure 13, “Non-conformance incidents” resulting from R&P audits will continue to be reported (seeing positive impact from R&P audits conducted to date)

MSP Performance Breakdown

All MSPs 12 Month Performance
(Oct 2019 – Sept 2020 vs. Oct 2020 – Sept 2021)



MSP Performance Monthly Breakdown (Oct 2020 – Sept 2021)

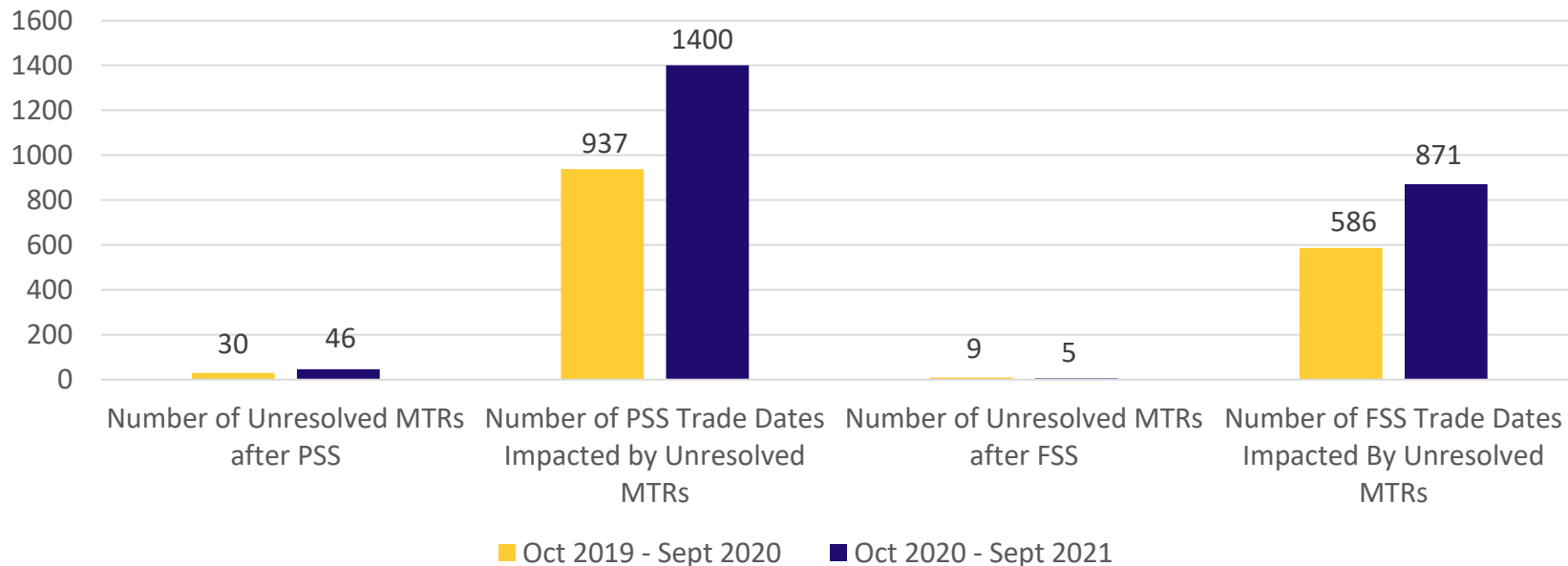
Measure	Target	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021
1 - Successful Daily Meter Communication on First Attempt	90%	93.1	92.8	93.6	93.8	92.7	94.0	93.2	93.6	93.8	94.3	93.5	92.9
2 - Successful Daily Meter Communication	95%	96.8	96.6	97.6	97.8	96.7	97.9	97.1	97.7	97.5	97.9	97.6	97.1
3 - Communication Meter Trouble Reports Issued													
- Number of Communication MTRs Issued	0	274	261	171	141	146	179	233	212	211	177	249	187
- % of Meter Installations without communication MTRs issued	100%	90.6	91.4	94.2	95.4	95.4	94.8	93.6	94.3	94.1	94.2	91.1	93.0

MSP Performance Monthly Breakdown (Oct 2020 – Sept 2021)

Measure	Target	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021
4 – Validation Meter Trouble Reports Issued													
- Number of Validation MTRs issued	0	106	128	73	50	75	116	80	111	153	155	174	124
- % of Meter Installations without Validation MTRs issued	100%	95.9	95.2	97.2	98.1	97.6	96.4	97.5	96.6	95.8	94.6	93.9	95.4
5 – Meter Trouble Reports Resolved Within 2 Business Days of Issuance	95%	98.1	96.5	97.1	96.8	95.3	94.7	94.5	95.3	98.4	96.0	94.8	96.1

PSS/FSS Performance Overview

All MSPs 12 Month Performance
(Oct 2019 – Sept 2020 vs. Oct 2020 – Sept 2021)



MSP Performance Monthly Breakdown (Oct 2020 – Sept 2021)

Measure	Target	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021
8 – Engineering Unit Reports Approved Within 2 Business Days of Issuance	98%	91.5	99.0	98.1	100	100	100	100	97.0	96.0	100	96.1	98.8
9 – Site Registration Reports Approved Within 2 Business of Issuance	98%	95	100	100	100	100	100	100	100	100	100	75.6	100
10 – Site Registration Reports Approved by Final Settlement Statement	100%	100	100	100	100	100	100	100	100	100	100	100	100

MSP Performance Monthly Breakdown (Oct 2020 – Sept 2021)

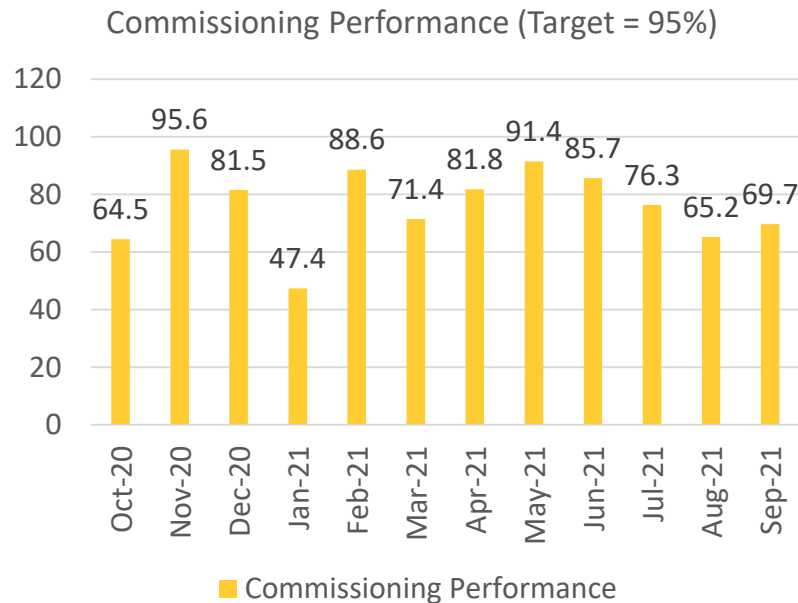
Measure	Target	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021
11 – Timely Submission of Commissioning Reports	95%	64.5	95.6	81.5	47.4	88.6	71.4	81.8	91.4	85.7	76.3	65.2	69.7
12 - # of Metering Registry Errors	0	0	0	0	0	0	0	0	0	0	0	0	0
13 - # of Non Conformance Incident	0	0	0	0	0	0	0	0	0	0	0	0	0

Commissioning Reports - Observations

- MSPs 12 month average at 79.17%

Submissions from Oct 2020 – Sept 2021:

- 373 total submissions
- 72 Total Unsuccessful
- 59 rejected (41 Verification, 18 Test reports)
- 21 Late submission (11 verification, 10 test)



Commissioning Reports - Reminders

- Commissioning Verification and Test Reports are due within 90 days of completion of EUR
- Verification reports cannot have due date extended
- Test reports can have due extended by MSP (submit task via Online IESO)
- MSPs are sent email reminders prior to Commissioning Reports due date



Results from 2021 Commissioning Template Survey

Dan Coffin | Technical Officer – Revenue Metering

Background

- As part of the registration process for metering installations, MSPs must submit copies of commissioning results to IESO for approval
- IESO staff review the commissioning results for consistency with specifications found in Market Manual 3.2, Appendix B “Requirements for Commissioning a Metering Installation”
- At present, formatting and presentation of commissioning results is based on individual MSP preference (i.e. reports are not standardized beyond general requirements provided in MM 3.2)

Background

- IESO has been approached by the MSP community to explore the possibility of developing a commissioning reporting template
- In response to this, IESO recently conducted a survey offered to each MSP in order to assess overall interest and potential usefulness of a commissioning report template as well as to identify any opportunities for improvement with regards to commissioning reporting requirements
- The three survey questions and anonymous results were as follows

Commissioning Template Survey Questions

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

Q2: Please comment towards what is it that you like about the commissioning reporting process?

Q3: Please comment towards what you don't you like about the commissioning reporting process?

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- Summary of MSP responses:
 - 7 would use a template
 - 3 recognize a benefit, but wish to continue using their own
 - 5 neutral or non-respondents

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “A standard template for commissioning verification and test report would be beneficial and would prefer to use it.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “Our organization would use a standard template for commissioning reports.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “Using templates eliminates the questions about what is present... This would be cleared up by a template of course and then there are no questions with respects to the information listed, it is either right or wrong”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “Yes, we would use the IESO template. This simplifies the process and also ensures that IESOs copy is retained in their database, reducing the number of documents that have to be submitted for an audit.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “It would be useful to an experienced member of my group as a tool since we don’t go through this process on a regular, and it would be very helpful for new employees. Yes we would use it.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “I believe that standardization is generally a good idea in most cases and would be in favour of a standardized template. My main concern is that many organizations may be using different equipment (analyzers) to perform their commissioning testing. The template must accommodate these differences and be easy to use for everyone.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “Standard template would be preferable developed with all stakeholders.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “In favour of a standard template. However, under the current process we prefer to use our enhanced report as it provides additional information. We do feel that a standard template would make record transitioning from one MSP to another easier.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “We had previously updated our commissioning documents with IESO input to meet all requirements. Although a standard document would be considered, we may choose to continue using our own templates as it is easier to maintain than re-inputting all info into a new document every time we are at a specific site doing meter changes, etc.”

Commissioning Template Survey Results

Q1: If IESO were to develop a standard template for commissioning reports, would your organization use it or do you prefer to maintain status quo?

- “(We) prefer to remain status quo.”

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- Summary of MSP responses:
 - 7 responses, 8 neutral or non-respondent
 - Mixed opinions on the user interface experience of Online IESO
 - Applicable commissioning elements are clearly identified for each registration/update request, but suggested to be identified to MSP before the EUR stage

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- "It is nice where online IESO shows the step of the process on which you are on, kind of guides you through the process or least gives you a visual on the progress, like a tracking system."

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- “The tasks that are outline on Appian clearly display what needs to be submitted for each commissioning task.”

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- "IESO website is self intuitive which makes it easy to complete work."

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- "It ensures that all the commissioning activities pertaining to metering point are carried out without any oversight and ensures the successful installation of the metering point."

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- "I don't have any issues presently with the reporting process and the required elements of commissioning requirements are pretty clear once generated."

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- “A standard outline of testing requirements would help guide MSP’s. All criteria listed in the appropriate market manuals should be included in the template.”

Commissioning Template Survey Results

Q2: Please comment towards what is it that you like about the commissioning reporting process?

- “The IESO registration process has always been a problem so we do not have any positive feedback.”

Commissioning Template Survey Results

Q3: Please comment towards what you don't you like about the commissioning reporting process?

- Summary of MSP responses:
 - 5 responses, 10 neutral or non-respondent
 - Inability for Online IESO to submit additional commissioning test report extensions after the first approval
 - Observed inconsistent approach for commissioning report rejections

Commissioning Template Survey Results

Q3: Please comment towards what it is that you don't you like about the commissioning reporting process?

- "The most consistent problem noticed is if true load is not available within 90 days you are allowed an extension, however you are not allowed another extension after. We do not believe this has changed. In addition, we have also noticed that each agent has their own opinions on the data in the reports. Perhaps standardization would solve this issue."

Commissioning Template Survey Results

Q3: Please comment towards what it is that you don't you like about the commissioning reporting process?

- "The part of visual check it makes perfect sense if a new station is being built or a IT is being replaced. However, does it make sense for an old station which has had no major changes for over 10 + years."

Commissioning Template Survey Results

Q3: Please comment towards what it is that you don't you like about the commissioning reporting process?

- "At the same Online IESO process isn't very user friendly and the site is difficult to navigate. The template would be nice if it were to provide guidance on what step should happen when. It would also be nice to move along with submissions even while you wait for previous steps to be approved. Or if only certain information about a site is required to be updated then it would be helpful to have a clear, simple, and direct link to allow for that."

Commissioning Template Survey Results

Q3: Please comment towards what it is that you don't you like about the commissioning reporting process?

- "There is some inconsistency with different personnel from the IESO reviewing commissioning reports."

Commissioning Template Survey Results

Q3: Please comment towards what it is that you don't you like about the commissioning reporting process?

- "Required elements of commissioning are not 100% known until the EUR is processed. We just need to anticipate what they will be based on MSP knowledge and what we are doing while at site, Ie: like for like meter change, IT change, new installs, etc. If we miss a step while onsite, then it can be difficult to go back after energization, etc to obtain. We see this quite often during audit process, which can create some issues for us."

Commissioning Template Survey Results

Q3: Please comment towards what it is that you don't you like about the commissioning reporting process?

- "We have on rare occasions run into some bugs but IESO fixes issues quickly and is available with a phone call or email so not really an issue."

Survey Conclusions

- Sufficient interest from the MSP community suggests development of a commissioning report template is worthwhile
- MSPs will need to be invited to participate in the development process
- Additional enhancements to IESO's meter registration process relating to commissioning will be explored (e.g. identification of commissioning requirements for specific update requests before EUR stage; addition of Online IESO function to request subsequent commissioning test report deadline extensions)

Commissioning Template – Next Steps

- IESO will invite MSPs to a virtual stakeholder session in Q1 2022 with the goal of identifying fundamental attributes of the template (i.e. format, functionality)
- IESO will incorporate stakeholder feedback to prepare draft template (additional stakeholdering sessions to follow as needed)
- IESO to deliver a template suitable for meter registration by end of 2022

Commissioning Template – Comments / Concerns



Send to MeteringInstallations@ieso.ca



IESO's Other Updates

Dharani Adunuri | Technical Officer – Revenue Metering

ION 8650 Unlocked Modules Update

- Vulnerability in certain Schneider ION 8650-V421 (and V420 which is not used in Ontario): energy registers containing Legal Unit of Measure is not locked down – possible to modify and delete.
- Only affecting meters with AA403 framework that includes phase loss alarm. Meters manufactured after March 8, 2019 are not affected.
- Per Measurement Canada released letter, (November 21, 2019) they have approved the use of super password to lock down the meter for the current seal period with certain conditions (for installed meters only) or reseal the meter.

ION 8650 Unlocked Modules Update

- Based on IESO records, currently a total of 38 V421 meters still affected in Ontario. 26 installed (awaiting confirmation on these remaining meters since initial reach out in 2019), 12 in inventory (was 29 since initial reach out).
- MSPs are urged to correct their affected metering population and inform the IESO of the resolution (MC deadline was December 31,2020)

IESO Workspaces

- MSP users group portal has now been fully migrated over to IESO Workspaces (Effective: July 23,2021)

The screenshot displays the IESO Workspaces interface. On the left is a dark sidebar with navigation icons. The main header includes the IESO logo, a search bar, and notification/user icons. Below the header, the breadcrumb path is 'Workspaces > Metering Service Providers'. A table lists workspace items, including folders like 'CT Calculator', 'High Accuracy Instrument Transformer Working Group', 'MDM Hotline', 'Metering Installation Registration Tool (MIRT)', 'MSP Physical Settlement Calendar', 'Related Documents', and 'RMSC Meeting Materials', as well as a file 'Conforming Meter List.xlsx'. On the right, a sidebar for the 'Metering Service Providers' workspace provides details: a description, permissions, creation/modification dates, folder/file counts, a copy link, and a notification toggle.

	Name	Workspace Info	Permissions
Metering Service Providers			
Description:	The MSP Users Group works with MSP's to discuss and solve technical and procedural issues which will ensure suitable revenue metering for the IESO-administered market.		
In this workspace I can:	View files, manage roles and permissions, track file activity, create folders, delete all files, update files, upload files		
Created:	Jun 23 2021 11:22		
Modified:	Aug 23 2021 07:44		
Folders:	7		
Files:	265		
Copy link:	Copy		
Notifications:	☒		

IESO Workspaces

Conforming Meter List can be found as an Excel document which includes all the appropriate frameworks available for download directly from the spreadsheet:

Workspaces > Metering Service Providers

- CT Calculator
- High Accuracy Instrument Transformer Working Group
- MDM Hotline
- Metering Installation Registration Tool (MIRT)
- MSP Physical Settlement Calendar
- Related Documents
- RMSC Meeting Materials
- Conforming Meter List.xlsx**

Jul 19 2021 14:40 | dharani.adunuri@ieso.ca | 6.7 MB

Meter Company	Details	MV90 TIM Assignment	ITRON DLL TIM Reference	IESO TIM CONFIG File Reference	IESO Meter Framework
Elster Metering	Make: (1) ALPHA Plus	TIM_25	TIM_ALPP 11/04/09	2L_ALPP1.cfg	IESO STD_0065.pdf
	Model: (1) A1RLQ+ and A1RL+				
	Firmware Version: (1) 2.3 (2) 2.4 (3) 2.7	TIM_25V2.pdf	TIM_AL3 12/14/18	2L_AL3_1.cfg	IESO STD_0109.pdf
	Market Category: Alternate				
	Date Listed: (1) March 20, 2000 (2) February 9, 2004 (3) August 3, 2006				
	Conditions of Acceptance: None. 2 wire accepted for 3-phase service.				
	Make: A3 ALPHA	TIM_25V2.pdf	TIM_AL3 12/14/18	2L_AL3_1.cfg	IESO STD_0109.pdf
	Model: (1) A3RAL, A3RALN, A3RALNQ and A3RALQ				
	Firmware Version: (1) 3.03 (2) 3.06 (3) 4.02				
	Market Category: Alternate				
GE Canada Inc.	Date Listed: (1) January 20, 2011 (2) May 30, 2011	TIM_25V2.pdf	TIM_KV2 02/09/05	09_KV2.cfg	IESO STD_0067.pdf
	Conditions of Acceptance: None				
	Make: ION				
	Model: (1) 8300 (2) 8400 (3) 8500				
	Firmware Version: (1) 8300V232 (2) 8400V232 (3) 8500V232	TIM_29.pdf	TIM_KV2 02/09/05	09_KV2.cfg	IESO STD_0067.pdf
	Market Category: Main and Alternate				
GE Canada Inc.	Date Listed: 06-Aug-03	TIM_29.pdf	TIM_KV2 02/09/05	09_KV2.cfg	IESO STD_0067.pdf
	Conditions of Acceptance: None. 2.5 element accepted for missing V2h. Note: Identical to PML Models 8300, 8400 and 8500 with same firmware.				
	Make: GE	TIM_29.pdf	TIM_KV2 02/09/05	09_KV2.cfg	IESO STD_0067.pdf
	Model: (1) KV2 (2) KV2c				
	Firmware Version: (1) 3.2 (2) 1.3				
	Market Category: Alternate				
GE Canada Inc.	Date Listed: July 7, 2004	TIM_29.pdf	TIM_KV2 02/09/05	09_KV2.cfg	IESO STD_0067.pdf
	Conditions of Acceptance: None				
	Make: ION	TIM_29.pdf	TIM_KV2 02/09/05	09_KV2.cfg	IESO STD_0067.pdf
	Model: (1) 7650				
GE Canada Inc.	Firmware Version: (1) 7650V400	TIM_29.pdf	TIM_KV2 02/09/05	09_KV2.cfg	IESO STD_0067.pdf
	Market Category: Main and Alternate				

IESO Workspaces

- All MSPs who had an active account for the previous portal have been notified of the migration by IESO's IT team, containing all the details on how to setup a workspaces account.
- If you have any questions regarding this migration or how to setup an account, please email: customer.relations@ieso.ca

Poll 1

Are MSPs setup to use Work Spaces and have the required Access?

- A) Yes
- B) No
- C) I wasn't aware of this migration

MIRT/MVT Tool Project Update

- IESO has undertaken an initiative to improve and update the existing Metering Installation Registration Tool (MIRT) & MIRT Validation Tool (MVT).
- MSPs use the MIRT to create an MV90 Master File “MIRT File” according to the meter type framework for submission to the IESO.
- IESO uses the MVT to validate the submitted MIRT file.
- Project approval in final stages to undertake updating the current MIRT & MVT. Estimated start date is Q3 2022.
- MSPs will be approached for any feedback as required.



Metering Training Program

Jeffrey Huang | Technical Officer – Revenue Metering

Training Program - Background

- IESO understands the need from MSPs to have training material on IESO metering related tools and processes
- Training plan was briefly discussed at the June 2021 RMSC, and it's currently in planning and developing phase

Training Program – Survey

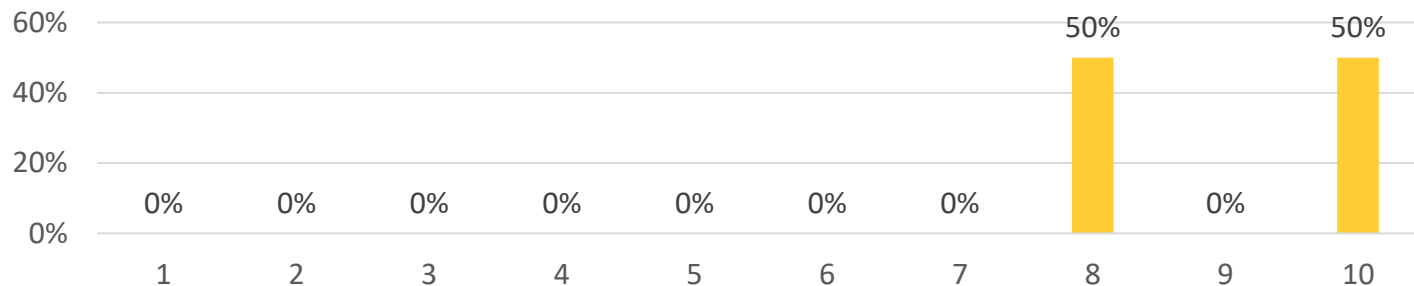
- Survey sent out to MSPs in mid-September
- Survey questions:
 - Q1: Usefulness of training
 - Q2: General topics to be covered
 - Q3: Specific material to be covered
 - Q4: Delivery method

Training Program – Survey Result

- Deadline for survey response was Oct 15, 2021
- More than half of the MSPs responded
- We still welcome your feedback

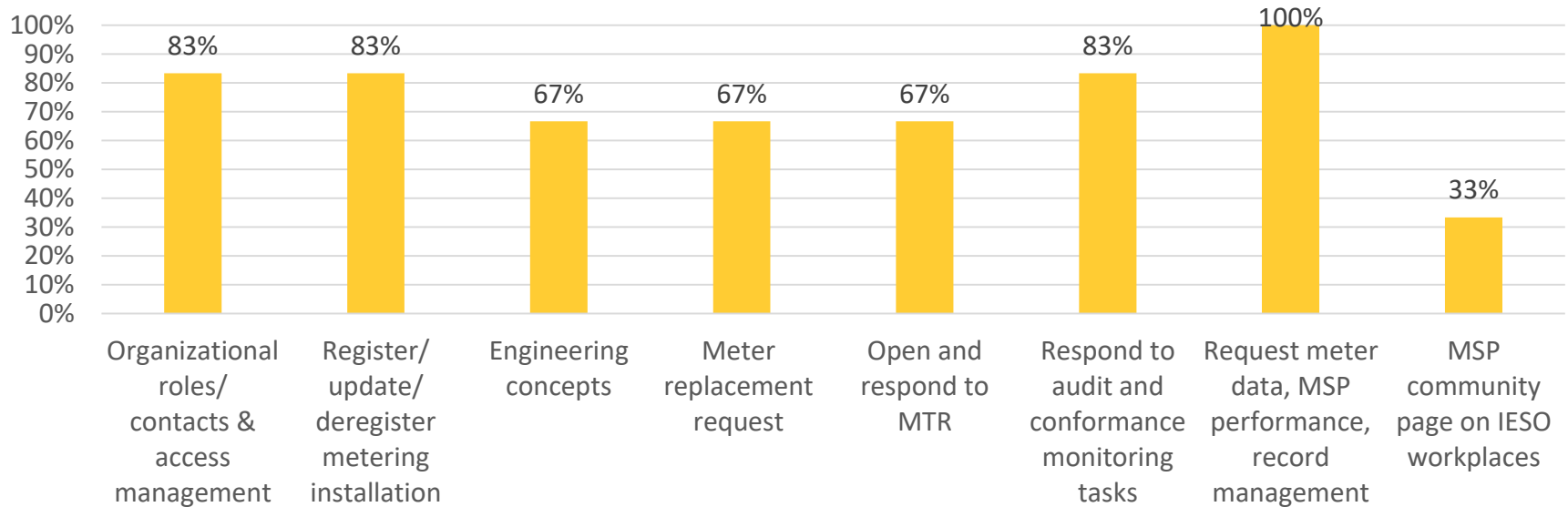
Training Program – Survey Result

- Q1: Usefulness of training program (1 being not useful at all, 10 being extremely useful)



Training Program – Survey Result

- Q2: Topics to be covered in the training program



Training Program – Survey Result

- Q3: More specific topics to be covered:
 - New staff: understanding IESO controlled grid, market rules, wholesale revenue metering requirements, etc.
 - Step by step guides/examples of registration processes, engineering calculations
 - MTR response (appropriate response, timing, examples)
 - Access/Role management

Training Program – Survey Result

- Q4: Delivery Method
 - All MSPs selected training guides and in person training
 - Some MSPs rank training guides available online higher than in person training

Training Program – Delivery Method

- Preliminary decision is to have both training guides (available online) and/or instructor-led training (in person/virtual)
- For instructor-led training, IESO will provide up to two sessions per year

Training Program – Next Steps

- Based on survey results, IESO will finalize the training plan
- Updates will be provided as part of future RMSC meetings



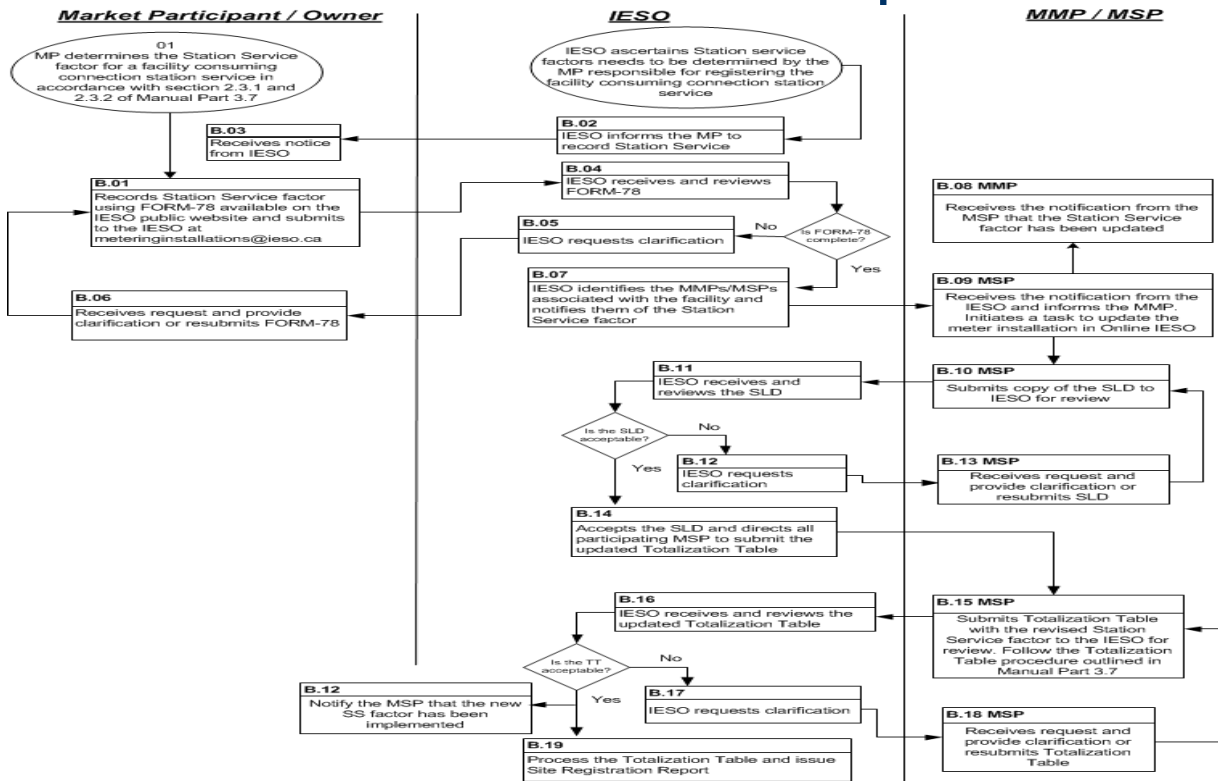
Station Service Estimates

Barry Spencer | Senior Technical Officer – Revenue Metering

Station Service Estimates

- Process for updating existing station service estimates working well
- Recent issues raised during the need for first-time station service estimate registration
- Reminder for all Market Participants consuming transmission station service or connection station service not metered by a registered wholesale meter to review for accuracy

New Station Service Estimate Required



New Station Service Estimate Required

- Hydro One requesting 4-6 months lead time to perform a detailed assessment of all connected loads to determine the station service factor
- In cases where 4-6 months lead time cannot be achieved, a facility owner may provide a value based on a default of 75% usage for registration (Market Manual 3.1 – Section 2.3.1), followed by a detailed assessment at a later date

Roundtable Discussion



**Virtual
Round
Tables**

Thank You

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