



Market Manual 3: Metering
Part 3.0: Metering
Overview

Issue 11.0

This document provides an overview of the *market manual* for Metering.

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Related Documents

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Table of Contents

Table of Contents	i
Table of Changes	ii
1. Market Manuals	1
2. About This Manual	2
2.1 Purpose.....	2
2.2 Scope.....	2
2.3 Who Should Use This Manual.....	3
2.4 Conventions	3
3. Procedures Summary	4
3.1 Interrelationship of the Procedures	4
3.2 Procedures for Registering a Metering Installation	5
3.3 About the Procedures in this Manual	6
3.3.1 Part 3.1: MSP Registration, Revocation and De-registration	6
3.3.2 Part 3.2: Meter Point Registration and Maintenance.....	6
3.3.3 Part 3.4: Measurement Error Correction	6
3.3.4 Part 3.5: Site-Specific Loss Adjustments	6
3.3.5 Part 3.6: Conceptual Drawing Review.....	6
3.3.6 Part 3.7: Totalization Table Registration	6
3.3.7 Part 3.8: Creating and Maintaining Delivery Point Relationships	6
3.3.8 Part 3.9: Conformance Monitoring	7
3.3.9 Part 3.10: Transmission Grid – High Voltage Metering	7
4. Applicability of Procedures	8

Table of Changes

Reference	Description of Change
Throughout document	Replaced IMO with IESO in the document text and in the following diagrams: <ul style="list-style-type: none"> - Figure 3-1: Interrelationships of Procedures within the Metering Market Manual - Figure 3-2: Main Steps for Registering a Metering Installation in the IESO-Administered Market
Section 2	Added Market Manual 3: Metering, Part 3.10 Transmission Grid – High Voltage Metering.
Section 3.3.9	Added description of Market Manual 3: Metering, Part 3.10 Transmission Grid – High Voltage Metering..
Section 4	Added reference to Market Manual 3: Metering, Part 3.10 Transmission Grid – High Voltage Metering.

1. Market Manuals

The *market manuals* consolidate the market procedures and associated forms, standards, and policies that define certain elements relating to the operation of the *IESO-administered markets*. Market procedures provide more detailed descriptions of the requirements for various activities than is specified in the “Market Rules”. Where there is a discrepancy between the requirements in a document within a *market manual* and the “Market Rules”, the “Market Rules” shall prevail. Standards and policies appended to, or referenced in, these procedures provide a supporting framework.

– End of Section –

2. About This Manual

This document is Volume 3.0 of the *market manuals*, and provides an overview of “Market Manual 3: Metering”.

The *metering manual* is composed of the following document set:

Market Manual 3: Metering

Document ID	Part No.	Name of Procedure Document
MDP_MAN_0003	3.0	Metering Overview
MDP_PRO_0007	3.1	Metering Service Provider (MSP) Registration, Revocation and De-registration
MDP_PRO_0013	3.2	Meter Point Registration and Maintenance
MDP_PRO_0010	3.4	Measurement Error Correction
MDP_PRO_0011	3.5	Site-Specific Loss Adjustments
MDP_PRO_0012	3.6	Conceptual Drawing Review
IMP_PRO_0047	3.7	Totalization Table Registration
IMP_PRO_0057	3.8	Creating and Maintaining Delivery Point Relationships
IMP_PRO_0058	3.9	Conformance Monitoring
IESO_PRO_0573	3.10	Transmission Grid – High Voltage Metering
MDP_STD_0004		Wholesale Revenue Metering Standard - Hardware
MDP_STD_0005		Site-Specific Loss Adjustments Standard

2.1 Purpose

The *metering manual* is designed to provide an overview of the metering procedures required for registering as a *metering service provider* (MSP) and for registering a *metering installation* in the *IESO-administered markets*.

2.2 Scope

This overview is intended to provide a summary of the steps and interfaces for *metering service providers*, *metered market participants* (MMPs), and the *IESO*, for metering-related registration activities. Procedural work flows and steps described in component procedures serve as a roadmap for *metering service providers*, *metered market participants* and the *IESO*, and reflect the requirements set out in the *market rules* and applicable *IESO* policies and standards.

The information provided in the *metering manual* is not intended for use as training material for the above referenced procedures, and specific procedures internal to the *IESO* are not provided.

2.3 Who Should Use This Manual

The intended audiences for the *metering manuals* are *metering service providers*. *Metered market participants* should refer to this manual for reference purposes.

2.4 Conventions

The standard conventions followed for *market manuals* are as follows:

- The word ‘shall’ denotes a mandatory requirement;
- Terms and acronyms used in this *market manual* including all Parts thereto that are italicized have the meanings ascribed thereto in Chapter 11 of the “Market Rules”;
- Double quotation marks are used to indicate titles of legislation, publications, forms and other documents.

Any procedure-specific convention(s) shall be identified within the procedure document itself.

– End of Section –

3. Procedures Summary

3.1 Interrelationship of the Procedures

Figure 3-1, below, shows the composition of this *market manual* and shows how the procedures trigger events and how the metering manual relates to other *market manuals*.

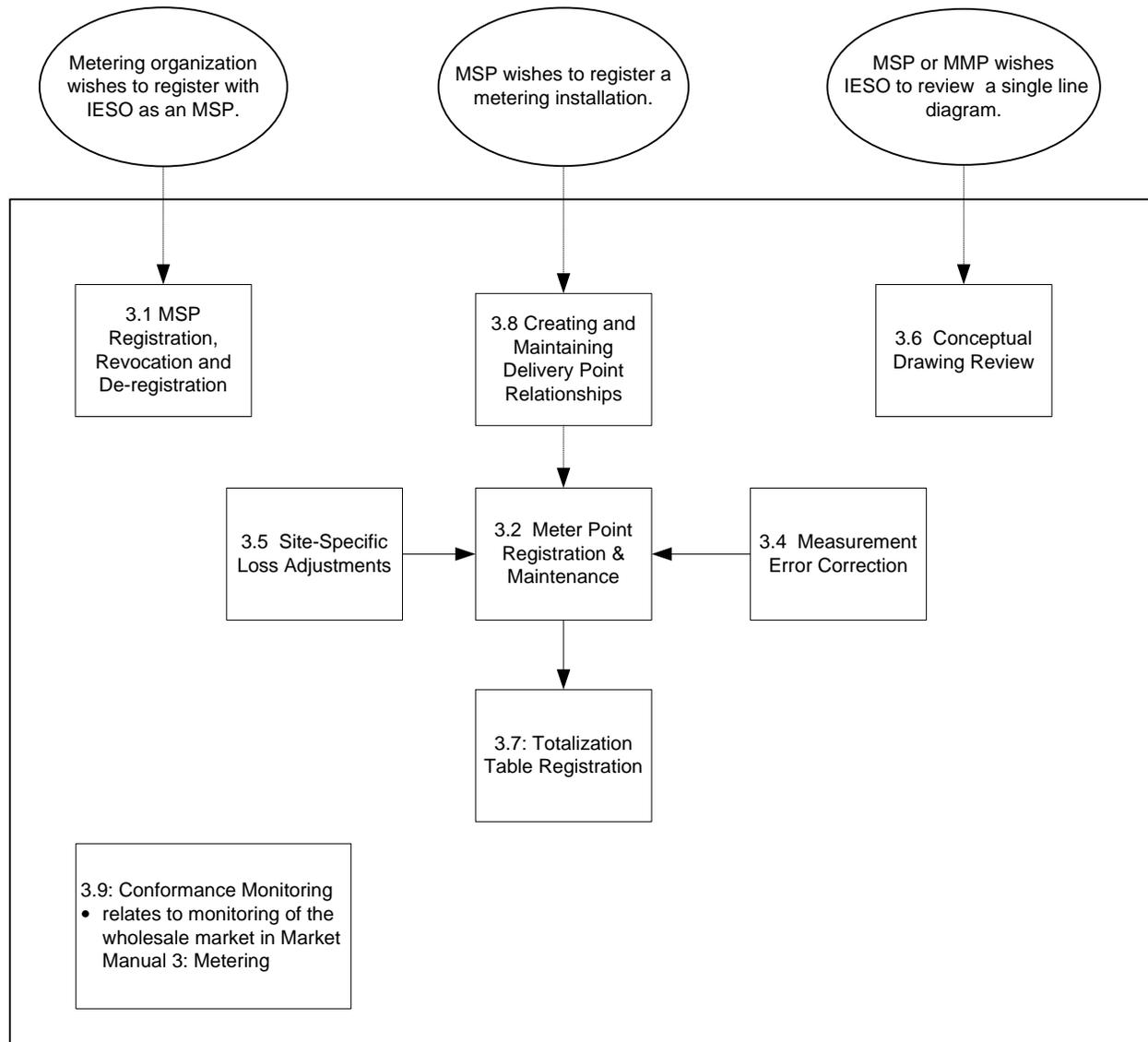


Figure 3-1: Interrelationships of Procedures within the Metering Market Manuals

3.2 Procedures for Registering a Metering Installation

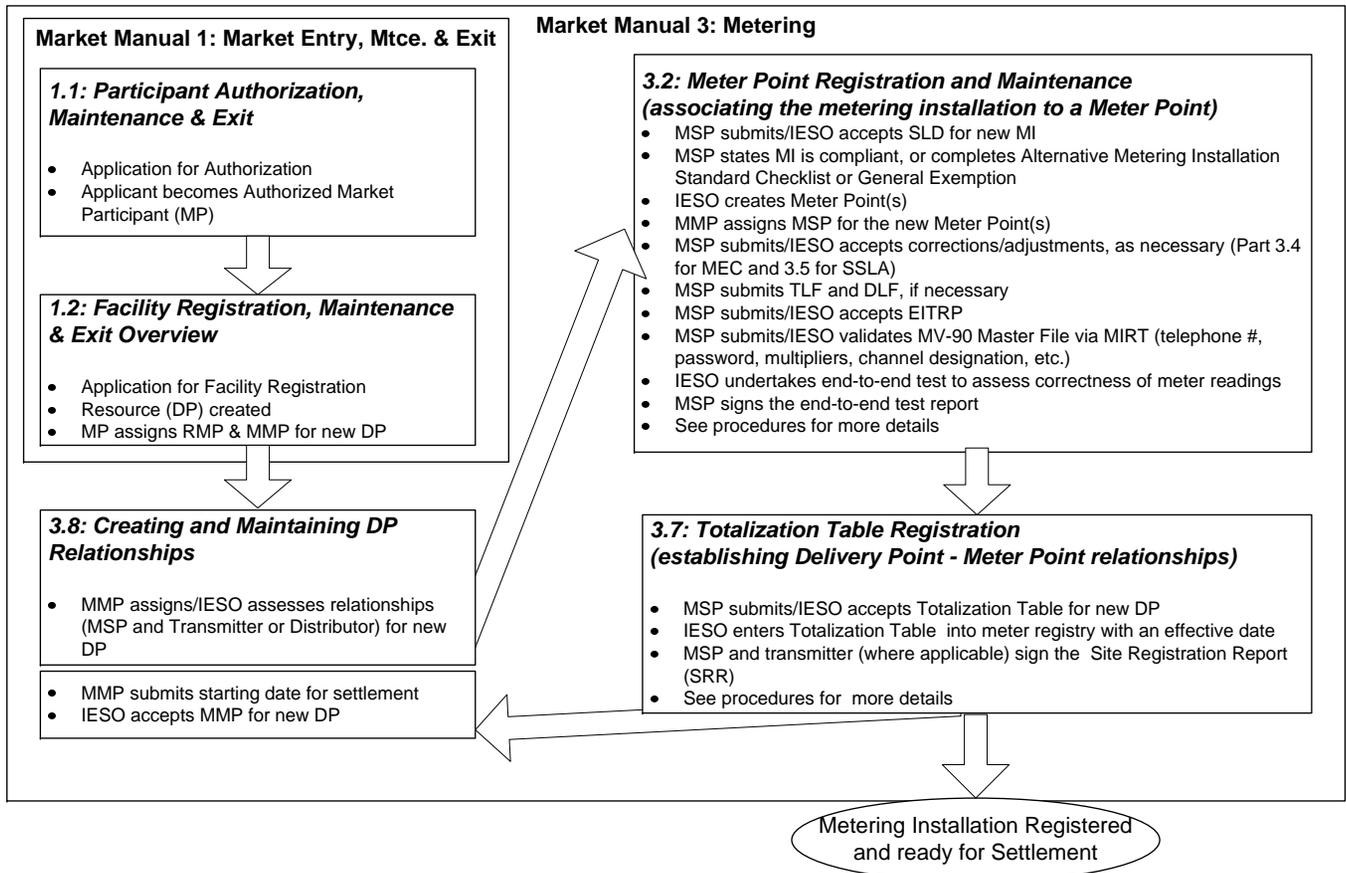


Figure 3-2: Main Steps for Registering a Metering Installation in the IESO-Administered Market

3.3 About the Procedures in this Manual

The following is a synopsis of each of the procedures that comprise the "Metering Manual".

3.3.1 Part 3.1: MSP Registration, Revocation and De-registration

This procedure provides an overview of the *metering service provider* registration process, and describes the requirements, forms and steps to register as a *metering service provider*. Maintenance processes, such as revocation and de-registration are also described.

3.3.2 Part 3.2: Meter Point Registration and Maintenance

This procedure is the second step in registering a *metering installation* and follows the procedure described in "Part 3.8: Creating and Maintaining Delivery Point". This procedure defines the registration processes for *meter points*. Procedures are also defined for registering changes to a *metering installation*.

3.3.3 Part 3.4: Measurement Error Correction

This procedure explains what measurement error corrections are, and how to calculate and submit them for the purposes of *metering installation* registration or upgrades.

3.3.4 Part 3.5: Site-Specific Loss Adjustments

This procedure explains what site-specific loss adjustments are, and how to calculate and submit them for the purposes of *metering installation* registration.

3.3.5 Part 3.6: Conceptual Drawing Review

This procedure describes how to prepare and submit single line diagrams to the *IESO* for preliminary review. The single line diagram can be for a proposed *metering installation* or for proposed changes to an existing *metering installation*. The *IESO* provides this review as a service to *metering service providers* and *metered market participants*.

3.3.6 Part 3.7: Totalization Table Registration

This procedure describes how to register totalization tables with the *IESO*. Totalization table registration is the third step of the *metering installation* registration process.

3.3.7 Part 3.8: Creating and Maintaining Delivery Point Relationships

This procedure describes how to create and modify *delivery points* for both the *energy market* and *transmission tariffs*. Creating a *delivery point* is the first step in the *metering installation* registration process.

3.3.8 Part 3.9: Conformance Monitoring

This procedure describes how the *IESO* monitors the conformance of *metering installations* and *metering service providers* to the "Market Rules" and provides the steps required to comply for *market participants*, *metered market participants* and *metering service providers*.

3.3.9 Part 3.10: Transmission Grid – High Voltage Metering

This manual describes the implementation and registration process for transmission grid high voltage *metering installations*, which is part of the registration process for a *metering installation* in the *IESO* marketplace.

– End of Section –

4. Applicability of Procedures

The table below summarizes the most common situations or events that are likely to trigger activities described in this *market manual*. To use this table, select the event that most closely matches your area of interest under the “Event” column; then refer to the appropriate Procedures document listed in the “Procedure” column. A list of all Procedures documents that comprise this *market manual* is found in Section 3 of this document.

Table 4-1: Events and Procedures

Event	Procedure
Metering organization wishes to register with the <i>IESO</i> as a <i>metering service provider</i> .	Part 3.1: Metering Service Provider (MSP) Registration, Revocation and De-registration
<i>Metering service provider</i> or <i>metered market participant</i> wishes the <i>IESO</i> to review a single line diagram for a proposed <i>metering installation</i> , or proposed changes to a <i>metering installation</i> .	Part 3.6: Conceptual Drawing Review
<i>Metering service provider</i> wishes to register a <i>metering installation</i> .	Part 3.0: Metering Overview Part 3.2: Meter Point Registration and Maintenance Part 3.4: Measurement Error Correction Part 3.5: Site-Specific Loss Adjustments Part 3.7: Totalization Table Registration Part 3.8: Creating and Maintaining Relationships Part 3.10: Transmission Grid – High Voltage Metering

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