PUBLIC

MDP_MAN_0003

MARKET MANUAL

Independent Electricity Market Operator

Market Manual 3: Metering

Part 3.0: Metering Overview

Issue 10.0

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

Disclaimer

The posting of documents on the Web site is done for the convenience of *market participants* and other interested visitors to the *IMO* Web site. Please be advised that, while the *IMO* attempts to have all posted documents conform to the original, changes can result from the original, including changes resulting from the programs used to format the documents for posting on the Web site as well as from the programs used by the viewer to download and read documents. The *IMO* makes no representation or warranty, express or implied, that the documents on this Web site are exact reproductions of the original documents listed. In addition, the documents and information posted on this Web site are subject to change. The *IMO* may revise, withdraw or make final these materials at any time at its sole discretion without further notice. It is solely your responsibility to ensure that you are up-to-date documents and information. This *market manual* may contain a summary of a particular *market rule*. Where provided, the summary has been used because of the length of the *market rule* itself. The reader should be aware, however, that where a *market rule* is applicable, the obligation that needs to be met is as stated in the "Market Rules". To the extent of any discrepancy or inconsistency between the provisions of a particular *market rule* and the summary, the provision of the *market rule* shall govern.

Document ID	MDP_MAN_0003
Document Name	Part 3.0: Metering Overview
Issue	Issue 10.0
Reason for Issue	Released for Baseline 12.1
Effective Date	December 8, 2004

Document Change History

Issue	Reason for Issue	Date
1.0	Approved by the IMO Board	May 2, 2000
2.0	To reflect board-approved changes to other parts of the manual	June 2, 2000
3.0	Released for Baseline 5.0	January 5, 2001
4.0	Released for Baseline 6.0	February 20, 2001
5.0	Released for Baseline 6.2	May 17, 2001
6.0	Released for Baseline 6.3	July 16, 2001
7.0	Released for Baseline 6.5	October 09, 2001
8.0	Released for Baseline 7.0	January 16, 2002
9.0	Revisions following Baseline 7.0	March 25, 2002
10.0	Released for Baseline 12.1	December 8, 2004

Related Documents

Document ID	Document Title

Table of Contents

Table of Contents i

Table of Changes ii

1. Market Manuals 1

2. About This Manual 3

2.1 Purpose 3
2.2 Scope 3
2.3 Who Should Use This Manual 4
2.4 Conventions 4

3. Procedures Summary 5

3.1 Interrelationship of the Procedures 5
3.2 Procedures for Registering a Metering Installation 6
3.3 About the Procedures in this Manual 7
3.3.1 Part 3.1: MSP Registration, Revocation and De-registration 7
3.3.2 Part 3.2: Meter Point Registration and Maintenance 7
3.3.3 Part 3.4: Measurement Error Correction 7
3.3.4 Part 3.5: Site-Specific Loss Adjustments 7
3.3.5 Part 3.6: Conceptual Drawing Review 7
3.3.6 Part 3.7: Totalization Table Registration 7
3.3.7 Part 3.8: Creating and Maintaining Delivery Point Relationships 8
3.3.8 Part 3.9: Conformance Monitoring 8

4. Applicability of Procedures 9

Table of Changes

Reference	Description of Change
Section 2	Removed obsolete reference for “Validating, Estimating and Editing: Standards for Validating, Estimating, and Editing of Revenue Metering Data in the IMO-Administered Market” (MDP_STD_0002).
Section 3.2, Figure 3-2	Deleted clause “MSP submits readings collected during commissioning” in Meter Point Registration and Maintenance diagram block.
Section 3.2, Figure 3-2	Replaced reference of “Totalization Table Report” with “Site Registration Report”
Section 3.2, Figure 3-2	Replaced reference of ERP with EITRP.
Section 3.2, Figure 3-2	Added bullet “See procedures for more details”in Totalization Table Registration diagram block
Section 3.2, Figure 3-2	Re-arranged flow diagram arrows to clarify order of Metering Installation Registration process.

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 *IMO-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
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 *IMO-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 *IMO*, 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 *IMO*, and reflect the requirements set out in the *market rules* and applicable *IMO* 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 *IMO* 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*.

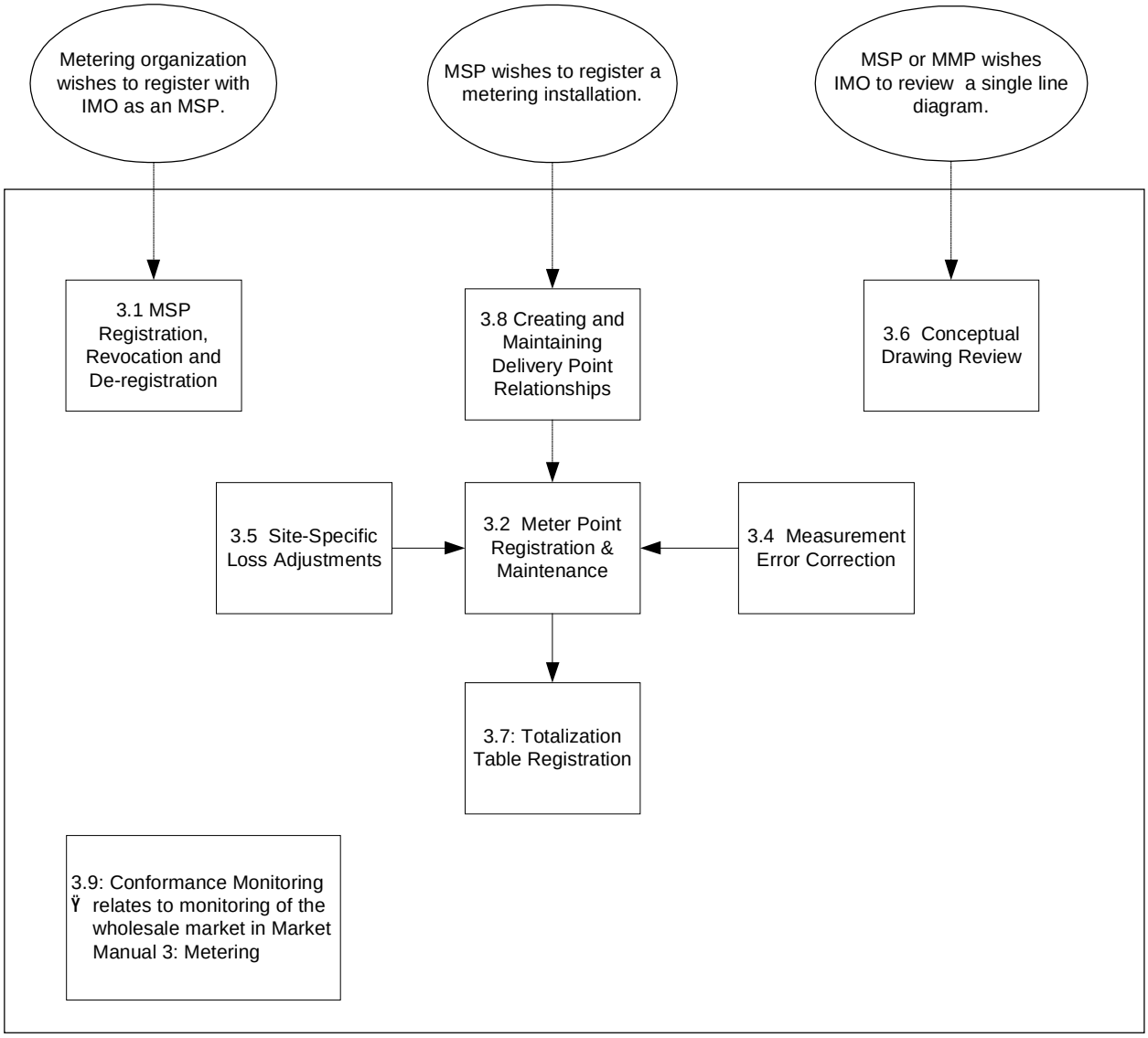

Figure 3-1: Interrelationships of Procedures within the Metering Market Manuals

3.2 Procedures for Registering a Metering Installation

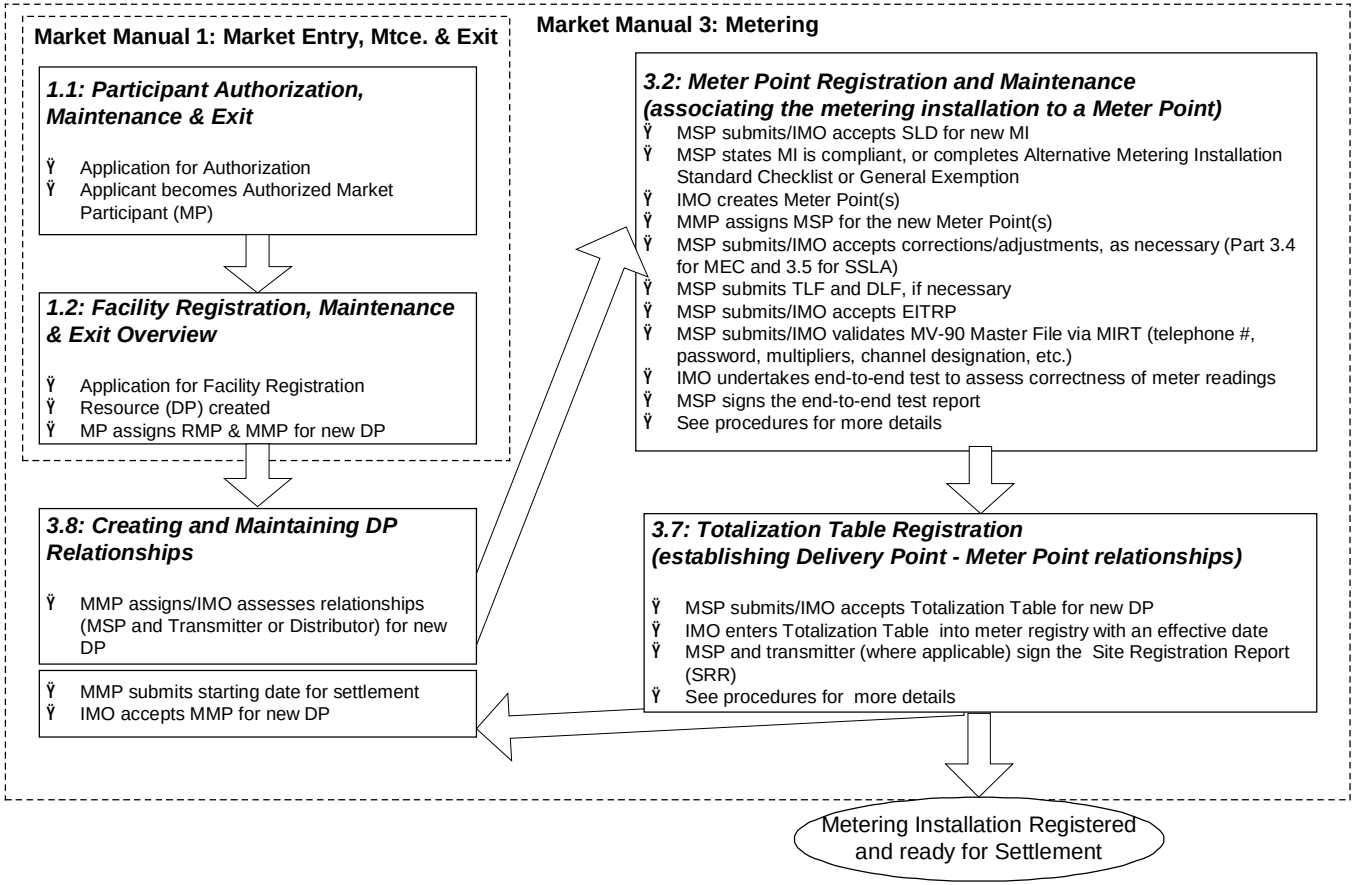

Figure 3-2: Main Steps for Registering a Metering Installation in the IMO-Administered Market and Relevant Procedures to be Followed

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 *IMO* for preliminary review. The single line diagram can be for a proposed *metering installation* or for proposed changes to an existing *metering installation.* The *IMO* 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 *IMO*. 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 *IMO* 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*.

– 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 *IMO* as a *metering service provider*.	Part 3.1: Metering Service Provider (MSP) Registration, Revocation and De-registration
Metering service provider or *metered market participant* wishes the *IMO* to review a single line diagram for a proposed *metering installation*, or proposed changes to a *metering installation*.	Part 3.6: Conceptual Drawing Review
Metering service provider wishes to register a *metering installation*.	Part 3.8: Creating and Maintaining Relationships Part 3.2: Meter Point Registration and Maintenance; Part 3.7: Totalization Table Registration Part 3.4: Measurement Error Correction Part 3.5: Site-Specific Loss Adjustments Part 3.0: Metering Overview

– End of Document –