



Market Rule Amendment Proposal

PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00390		
Subject:	Revenue Metering System Replacement Project		
Title:	Remove Provisions for Main/Check Meter Installations and Check Meters		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input checked="" type="checkbox"/> Deletion	<input type="checkbox"/> Addition
Chapter:	6, 11	Appendix:	6.5, 9.1
Sections:	Ch 6 – 4.2.1.2, Appendix 6.5 – 1.3.2.8, Appendix 9.1 – 1.2.1.2, 1.3.2, 1.3.3, 1.5.1, 1.5.1.1 b., 1.5.1.4 b., 1.5.1.6 b, 1.5.1.7, 1.5.2, 1.5.3, 1.5.4, 1.5.5, 1.5.5.1, 1.5.5.2, 1.5.6, 1.5.10.1, 1.5.10.2, 1.5.11, Ch 11 definitions		
Sub-sections proposed for amending:	Various		

PART 2 – PROPOSAL HISTORY

Version	Reason for Issuing	Version Date
1.0	Draft for Technical Panel review	February 21, 2012
2.0	Draft for Technical Panel review	March 20, 2012
3.0	Submitted for Technical Panel Vote	April 17, 2012
4.0	Recommended by Technical Panel; Submitted for IESO Board Approval	April 24, 2012
5.0	Approved by IESO Board	June 14, 2012
Approved Amendment Publication Date:		June 14, 2012
Approved Amendment Effective Date:		July 6, 2012

PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

It is proposed to amend the market rules to remove all provisions for main/check meter installations and check meters which will alleviate the need to procure this unused metering configuration in the upcoming replacement of the Revenue Metering System (RMS).

Background

Refer to MR-00390-Q00

DiscussionMain/check Metering Installations

Main/check metering installations were introduced in the market rules to give market participants with an existing check meter an option to the main/alternate meter installation. Due to the additional requirements and costs associated with registering and maintaining a main/check metering installation participants have not utilized this configuration. As a result it is proposed to remove all provisions to main/check meter installations and check meters from the market rules and replace all applicable sections with “[Intentionally left blank – section deleted].”

Correct Typographical Errors & Italicize Multiple Defined Terms

In addition to the above amendment it is proposed to:

- Correct a typographical error in Appendix 9.1, section 1.5.10.1:
 - Replace the incorrectly spelled word “tha” with “that.”
- Italicize defined terms in Chapter 11:
 - Italicize “energy” within the definition of “meter.”

PART 4 – PROPOSED AMENDMENT

Chapter 6

4.2 Defined Meter Point and Error Correction Factors

4.2.1 Subject to section 4.4, each *metered market participant* shall ensure, in respect of each *metering installation* for which it is the *metered market participant*, that:

4.2.1.1 subject to sections 4.2.2 and 4.2.2A, the *meter point* is located at the *defined meter point* for the *facility* to which the *metering installation* relates and otherwise complies with all requirements for *meter points* set forth in this Chapter and in any policy or standard established by the *IESO* pursuant to this Chapter; ~~and,~~

4.2.1.2 ~~[Intentionally left blank – section deleted]any instrument transformers required for a check meter within a main/check metering installation are located in a position which achieves a mathematical correlation with the metering data from the revenue meter.~~

Appendix 6.5 – Metering Registry and Meter Point Documentation

1.3 Meter Point Documentation

1.3.2 The *meter point* documentation referred to in section 1.3.1 shall be a package containing the following and such other documentation and information as the *IESO* may require in respect of each *metering installation*:

1.3.2.8 ~~[Intentionally left blank – section deleted]the existence of redundancy and sources of check metering data and the mathematical correlation of metering data recorded by the check meter to the metering data recorded by the revenue meter;~~

.....

Appendix 9.1 – VEE Process

.....

1.2 Manner of Data Collection by the IESO

- 1.2.1 The *IESO* shall collect or receive *metering data* for *settlement* purposes using, in respect of a given *RWM*, one or more of the following methods as may be applicable:
- 1.2.1.1 electronic access to the *RWM* as described in Chapter 6;
 - 1.2.1.2 a wide area network ~~or similar mode of communication for check metering data~~; or
 - 1.2.1.3 such manual collection method as may be required to resolve a trouble call in respect of the *RWM*.
-

1.3 Obligation of the Metered Market Participant to Provide Data

- 1.3.1 Each *metered market participant* shall, for each *RWM* in respect of which it is the *metered market participant* and that is a *main/alternate metering installation*, provide to the *IESO*, for validation purposes, *metering data* from each of the *main meter* and the *alternate meter* in accordance with the provisions of Chapter 6 and the *VEE standard*.
- 1.3.2 ~~[Intentionally left blank – section deleted] Each *metered market participant* shall, for each *RWM* in respect of which it is the *metered market participant* and that is a *main/check metering installation*, provide to the *IESO*, for validation purposes, *metering data* from each of the *main meter* and the *check meter* in accordance with section 1.3.3 and the provisions of Chapter 6 and the *VEE standard*.~~
- 1.3.3 ~~[Intentionally left blank – section deleted] Each *metered market participant* shall, for each *trading day*, provide to the *IESO* *metering data* from each *check meter* forming part of an *RWM* in respect of which it is the *metered market participant* no later than 06:00 EST on the day following such *trading day* using the mode of communication referred to in section 1.2.1.2 and in a format compatible and suitable for processing by the *IESO*'s validation software as described in section 2.3 of the *VEE standard*.~~

1.5 Validation, Estimation and Editing: Main/Alternate Metering Installations ~~and Main/Check Metering Installations~~

- 1.5.1 The following validation procedures shall be conducted, in accordance with the *VEE standard*, by the *IESO's* automated validation process in respect of each *RWM* that is a *main/alternate metering installation* ~~or a main/check metering installation~~ to the extent permitted by the configuration of such *metering installation*:
- 1.5.1.1 determine whether any *metering data* has failed to be delivered to or received by the *IESO* from each of:
 - a. the main *meter*; and
 - b. the alternate *meter* ~~or the check meter, as the case may be~~, in the manner and at the time required by these *market rules* and the intervals for which such *metering data* is missing;
 - 1.5.1.2 test current and voltage data, if it has been provided;
 - 1.5.1.3 conduct the data transmission/multiplier verification;
 - 1.5.1.4 test for synchronization of the clock in each of:
 - a. the main *meter*; and
 - b. the alternate *meter* ~~or the check meter, as the case may be~~, against the standard of accuracy described in section 11.2.2 of Chapter 6;
 - 1.5.1.5 test for replacement of the *data logger* in each of the main *meter* and the alternate *meter*;
 - 1.5.1.6 monitor error messages, flags and alarms received from each of:
 - a. the main *meter*; and
 - b. the alternate *meter* ~~or the check meter, as the case may be~~; and
 - 1.5.1.7 compare the *metering data* collected or received from the main *meter* with the *metering data* collected or received from the alternate *meter* ~~or the check meter, as the case may be~~.

- 1.5.2 The *IESO* may, in addition to the validation procedures referred to in section 1.5.1, carry out such additional automated validation procedures in respect of *RWMs* that are *main/alternate metering installations* ~~or *main/check metering installations*~~ as it determines appropriate.
- 1.5.3 Where the *metering data* from each of:
- 1.5.3.1 the main *meter*; and
- 1.5.3.2 the alternate *meter* ~~or the *check meter, as the case may be,*~~
in an *RWM* that is a *main/alternate metering installation* ~~or a *main/check metering installation*~~ has successfully passed the validation procedures referred to in sections 1.5.1 and, where applicable, 1.5.2, such *metering data* shall be deemed validated *metering data* and the *metering data* from the main *meter* shall, subject to any adjustment and totalization that may be required pursuant to Chapter 6, be used by the *IESO* for *settlement* purposes.
- 1.5.4 Where the *metering data* from the main *meter* in an *RWM* that is a *main/alternate metering installation* ~~or a *main/check metering installation*~~ has successfully passed the validation procedures described in sections 1.5.1 and, where applicable, 1.5.2, such *metering data* shall, subject to:
- 1.5.4.1 any adjustment and totalization that may be required pursuant to Chapter 6; and
- 1.5.4.2 any subsequent adjustment made pursuant to section 1.5.10.2,
be used for *settlement* purposes notwithstanding that the *metering data* from the alternate *meter* ~~or the *check meter, as the case may be,*~~ is unavailable or has not successfully passed such validation procedures.
- 1.5.5 Where the *metering data* from the main *meter* in an *RWM* that is a *main/alternate metering installation* ~~or a *main/check metering installation*~~ is unavailable or has not successfully passed the validation procedures referred to in section 1.5.1 and, where applicable, 1.5.2, the *metering data* from the alternate *meter* ~~or the *check meter, as the case may be,*~~ shall, subject to:
- 1.5.5.1 any adjustment and totalization that may be required pursuant to Chapter 6; and
- 1.5.5.2 [Intentionally left blank – section deleted] ~~where *metering data* from the *check meter* is used, being adjusted by the registered mathematical correlation factor; and~~
- 1.5.5.3 any subsequent adjustment made pursuant to section 1.5.11.2,
be used for *settlement* purposes provided that the *metering data* from the alternate *meter* ~~or the *check meter, as the case may be,*~~ has successfully passed the

validation procedures referred to in sections 1.5.1 and, where applicable, 1.5.2. The substitution of the *metering data* from the alternate *meter* ~~or the check meter, as the case may be,~~ for the *metering data* from the main *meter* shall be flagged in the *metering database*.

1.5.6 Where the *metering data* from both *meters* in an *RWM* that is a *main/alternate metering installation* ~~or a main/check metering installation~~ is unavailable or has not successfully passed the validation procedures referred to in sections 1.5.1 and, where applicable, 1.5.2, an estimate of the *metering data* shall be prepared by automated process in accordance with section 1.5.7 and the *VEE standard*. Such estimate shall, subject to:

1.5.6.1 any adjustment and totalization that may be required pursuant to Chapter 6; and

1.5.6.2 any subsequent adjustment made pursuant to section 1.5.12.2, be used for *settlement* purposes. Such estimation shall be flagged in the *metering database*.

.....

1.5.10 Upon receipt of the notification, the description and, where applicable, the request referred to in section 1.4.4, the *IESO* shall, where the *metering data* from the main *meter* is being used in accordance with section 1.5.4:

1.5.10.1 use such *metering data* for *settlement* purposes provided ~~tha~~that the *IESO* is satisfied that such *metering data* is correct and any flags in respect of the *metering data* previously entered into the *metering database* shall be modified accordingly; or

1.5.10.2 adjust such *metering data* in accordance with section 1.7.1 if the *IESO* is satisfied that such *metering data* has been affected by the failure of the alternate *meter* ~~or the check meter, as the case may be.~~

1.5.11 Upon receipt of the notification, the description and, where applicable, the request referred to in section 1.4.4, the *IESO* shall, where the *metering data* from the alternate *meter* ~~or the check meter~~ is being used in accordance with section 1.5.5:

1.5.11.1 use such *metering data* for *settlement* purposes provided that the *IESO* is satisfied that such *metering data* is correct and any flags in respect of the *metering data* previously entered into the *metering database* shall be modified accordingly; or

1.5.11.2 adjust such *metering data* in accordance with section 1.7.1 if the *IESO* is satisfied that such *metering data* has been affected by the failure of the main *meter*.

.....

Chapter 11 – Definitions

~~*check meter means a meter used for validation and estimation for settlement purposes in accordance with the VEE process;*~~

~~*main/check metering installation means a metering installation comprised of one revenue meter and one check meter measuring the same electrical quantities;*~~

meter means a device that measures, ~~or in the case of *check meter* calculates,~~ and records active *energy*, reactive ~~*energy*~~ *energy* or both and shall be deemed to include the *data logger* but to exclude the *instrument transformers*;

PART 5 – IESO BOARD DECISION RATIONALE

This amendment removes all provisions for main/check meter installations and check meters which will alleviate the need to procure this unused metering configuration in the upcoming replacement of the Revenue Metering System (RMS).