



Market Rule Amendment Proposal

PART 1 – MARKET RULE INFORMATION

Subject: Metering		
Title : Alternative Metering Installation Standards – Accuracy Requirements for Instrument Transformers		
Nature of proposal (please indicate with X on the right): Alteration – X Deletion Addition		
Chapter: 6	Appendix: 6.2	
Sections : 1.7		
Sub-sections proposed for amending: 1.7.1		

PART 2 – PROPOSAL HISTORY

Issue	Reason for Issue	Issue Date
	Amendment submission reviewed by Technical Panel (TP-109)	August 20, 2002
1.0	Technical Panel Consultation and Vote (IMOTP 110-3b)	September 4, 2002
2.0	Approved by Technical Panel (TP-110) and submitted for IMO Board approval	September 10, 2002

Approved Amendment Publication Date: 9 Oct 2002

Approved Amendment Effective Date: 5 Dec 2002

PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

Provide a brief description of the following:

- The reason for the proposed amendment and the impact the *IMO-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 *IMO-administered markets*.

It is proposed to amend section 1.7.1 of Appendix 6.2 to clarify the alternative metering installation standards for the accuracy requirements of instrument transformers. Sub-section 1.7.1.2(a) should be deleted, as the 0.3 ANSI standard C57.13 is not the alternate standard. All other proposed changes to section 1.7.1 are clarifications that are consistent with the relevant market manuals.

All revenue metering instrument transformers must be Measurement Canada approved. Approval has previously been afforded to instrument transformers that have accuracy ratings of 0.3, 0.6 and 1.2 ANSI class. As specified in section 4.1.1.3 of Chapter 6, the market standard for new installations is 0.3 ANSI.

Prior to market opening, it was decided to implement alternative metering installation standards (Appendix 6.2) that would allow existing instrument transformers (that are non-0.3 ANSI) to operate in the market. It was judged that the majority of existing metering installations would incur significant costs to upgrade and/or replace existing installations to meet the market standards (see section 4 of chapter 6). Therefore, alternate metering installation standards were established.

The alternative metering installation standards are based on the Wholesale Revenue Metering Standard – Hardware (MDP-STD-0004). However, the existing alternative metering installation standards, as contained in section 1.7.1 of Appendix 6.2, disallow many existing instrument transformers (i.e. those with 0.6 ANSI). This was not the intent of the alternate standard. Section 1.7.1 of Appendix 6.2 should have allowed non-0.3 ANSI instrument transformers to enter the market provided they had correction factors to hold the market harmless. In comparison, the Hardware standard (MDP-STD-0004) under section 6.12.5 allows the use of non-0.3 ANSI instrument transformers in existing installations. This allowance should have been carried through to section 1.7.1 of Appendix 6.2 when the Appendix was revised in December, 1999 (IMOTP 27-2).

Therefore, the proposed rule change will remove this limitation and allow instrument transformers that have:

- Measurement Canada approval (see section 1.7.1.1);
- Proof of accuracy (see section 1.7.1.2(b)); and
- Correction factors for instrument transformers that do not meet 0.3 ANSI accuracy (see section 1.7.1.2(c)).

PART 4 – PROPOSED AMENDMENT

1.7 Instrument Transformers – Accuracy Requirements

- 1.7.1 Each *metering installation* for which registration is being sought pursuant to section 4.4.1 that does not comply with the 0.3% accuracy requirements of ANSI standard C57.13, as evidenced by factory test cards complete with serial numbers, for *instrument transformers* set forth in this Chapter and in any policy or standard established by the *IMO* pursuant to this Chapter shall meet the following conditions:
- 1.7.1.1 the *instrument transformer* shall be of a type approved for use by Measurement Canada ~~or the *IMO* shall have obtained from Measurement Canada dispensation from the approval of type requirement;~~
- 1.7.1.2 the *instrument transformer* shall:
- a. ~~meet the 0.3% accuracy requirements of ANSI standard C57.13, as evidenced by factory test cards complete with serial numbers and conform to its rated burden;~~ [Intentionally left blank]
 - b. be tested on-site for accuracy in the manner described in, and meet the accuracy test point requirements of, this Chapter and of any policy or standard established by the *IMO* pursuant to this Chapter; ~~provided that with~~ correction factors ~~have been provided to and~~ approved by the *IMO* in the manner described in this Chapter and in any policy or standard established by the *IMO* pursuant to this Chapter; or
 - c. be demonstrated, to the satisfaction of the *IMO*, by means of the provision to the *IMO* of copies of the manufacturer's records, to be identical to an *instrument transformer* that has been tested on-site for accuracy, provided that installation or other documents have been provided to the *IMO* demonstrating that the applied burden for the *instrument transformer* is either identical to that of the tested *instrument transformer* or within the correction factors applied to that *instrument transformer*; and
- 1.7.1.3 the *instrument transformer* complies with the security requirements set forth in this Chapter and in any policy or standard established by the *IMO* pursuant to this Chapter.

PART 5 – IMO BOARD COMMENTS