



## CONSULTATION PAPER

### PROPOSED MODIFICATIONS TO GAS METERING CODE

Closing date for submissions of comments and feedback:  
13 Jun 2016

**Note: There will be no extension of deadline beyond 13 Jun 2016, 5pm**

16 MAY 2016

ENERGY MARKET AUTHORITY  
991G Alexandra Road #01-29  
Singapore 119975  
[www.ema.gov.sg](http://www.ema.gov.sg)

**Disclaimer:**

The information in this Consultation Paper is not to be treated by any person as any kind of advice. The Energy Market Authority shall not be liable for any damage or loss suffered as a result of the use of or reliance on the information given in this Consultation Paper.

## **1 Introduction**

- 1.1 The Gas Metering Code sets out the obligations of (i) Gas Shippers to provide Meter Data to the Designated Gas Transporter under the Gas Network Code, (ii) the Designated Gas Transporter who owns Meter Installations and performs balancing and settlement; and (iii) Gas Retailers who retail gas to Retail Customers.
- 1.2 The Gas Metering Code also addresses matters associated with the production, storage, collection, transmission and verification of Meter Data from all Meter Installations and sets out the specifications of meter installations and associated equipment.

## **2 Proposed Modifications**

- 2.1 Pursuant to Clause 1.6 of the Gas Metering Code, EMA seeks representations on the proposed modifications to the Gas Metering Code as set out in Appendix 1.
- 2.2 The proposed modifications are to:
  - a) amend the references to business days to calendar days to avoid ambiguity;
  - b) update the references to standards;
  - c) update the list of test facilities for meters; and
  - d) remove the requirement for the Designated Gas Transporter to retain the meters following the mass meter change exercise for Retail Customers.

## **3 Request for Written Representations**

- 3.1 EMA invites written representations on the proposed modifications to the Gas Metering Code as set out in Appendix 1. Please use the form given in Appendix 2 for your submission.

- 3.2 Please send your submission by email to [EMA\\_GIRD@ema.gov.sg](mailto:EMA_GIRD@ema.gov.sg)

Alternatively, you may also send your submission by post/fax to the following address:

*Gas Industry Regulation Department  
Regulation Division  
Energy Market Authority  
991G Alexandra Road #01-29  
Singapore 119975  
Fax: (65) 6835 8020*

- 3.3 Anonymous submission will not be considered.
- 3.4 All submissions must reach EMA by 5pm on 13 Jun 2016.
- 3.5 EMA will acknowledge receipt of all submissions electronically. Please contact Mr Khalid Mohd Aleh at 6376 7577 or Mr William Chua at 6376 7615 if you do not receive an acknowledgement of your submission within two business days.
- 3.6 EMA reserves the right to make public all or parts of any written submissions made in response to this Consultation Paper and to disclose the identity of the source. Any part of the submission, which is considered by respondents to be confidential, should be clearly marked and placed as an annex. EMA will take this into account regarding disclosure of the information submitted.

~ End ~

## Appendix 1

### Proposed Modifications to the Gas Metering Code

<u>Modification Ref. No.</u>	<u>Clause</u> *	<u>Original Text</u>	<u>Modification</u>	<u>Reasons</u>
GMC/2016/1	1.1	“ <b>Business Day</b> ” means, any day other than a Saturday, Sunday, public holiday, or a day on which merchant banks are authorized or required to be closed in Singapore;	Delete definition	This amendment is to standardise references to calendar days.
GMC/2016/2	1.6.1(f)	A modification to this Code shall not come into force until such time as the Authority has complied with Clause 1.6.1(d), where applicable, and ten (10) Business Days, or such longer period of time as may be specified by the Authority, have elapsed since the date on which the Authority published the modification pursuant to Clause 1.6.1(e).	A modification to this Code shall not come into force until such time as the Authority has complied with Clause 1.6.1(d), where applicable, and ten (10) <del>Business Days</del> <u>calendar days</u> , or such longer period of time as may be specified by the Authority, have elapsed since the date on which the Authority published the modification pursuant to Clause 1.6.1(e).	This amendment is to standardise references to calendar days.
GMC/2016/3	2.3.1	The Designated Gas Transporter shall ensure that its Meter Installation at any Retail Customer’s premises is installed, commissioned, maintained and operated by a competent person in accordance with the procedures and requirements of the Meter manufacturer, the standards that are specified in Appendix 1 and/or any modification thereto, the Singapore Standard CP51 and all applicable laws,	The Designated Gas Transporter shall ensure that its Meter Installation at any Retail Customer’s premises is installed, commissioned, maintained and operated by a competent person in accordance with the procedures and requirements of the Meter manufacturer, the standards that are specified in Appendix 1 and/or any modification thereto, the Singapore Standard <del>CP51</del> <u>SS 608</u> and all applicable	This amendment is to update the reference to Singapore Standard CP 51 as it has been superseded by Singapore Standard SS 608.

\* With reference to the section of the Gas Metering Code dated January 2015 as published on EMA’s website.

<u>Modification Ref. No.</u>	<u>Clause*</u>	<u>Original Text</u>	<u>Modification</u>	<u>Reasons</u>
		where applicable.	laws, where applicable.	
GMC/2016/4	2.3.2	In the event of a conflict between the procedures and requirements of the Meter manufacturer, the standards specified in Appendix 1 and Singapore Standard CP51 and all applicable laws, the Singapore Standard CP51 and applicable laws shall prevail.	In the event of a conflict between the procedures and requirements of the Meter manufacturer, the standards specified in Appendix 1 and Singapore Standard <del>CP51</del> <u>SS 608</u> and all applicable laws, the Singapore Standard <del>CP51</del> <u>SS 608</u> and applicable laws shall prevail.	Refer to modification GMC/2016/3.
GMC/2016/5	3.3.5(d)	have the capability to compute the heating value of the natural gas for each Balancing Period in accordance with ISO 6976: 1994 or the prevailing latest revision;	have the capability to compute the heating value of the natural gas for each Balancing Period in accordance with ISO 6976: <del>1994</del> or the prevailing latest revision;	The version of the standard is updated.
GMC/2016/6	5.4.6(b)	retain the removed Meter in a serviceable condition to permit any accuracy testing at the request of the Affected Participants for a minimum of one (1) month. The Designated Gas Transporter shall retain all records and meter readings relating to such Meter and provide reasonable access to the Authority, or any Affected Participants for the Archive Period.	<del>retain the removed Meter in a serviceable condition to permit any accuracy testing at the request of the Affected Participants for a minimum of one (1) month. The Designated Gas Transporter shall retain all records and meter readings relating to such</del> <u>the removed</u> Meter and provide reasonable access to the Authority, or any Affected Participants for the Archive Period.	This amendment is to remove the requirement for the Designated Gas Transporter to retain the removed Meter following the age-related meter change operation for Retail Customers.
GMC/2016/7	5.4.6(c)	upon request by any Affected Participants, the Designated Gas Transporter shall continue retain the removed Meter in a serviceable condition until the accuracy testing is completed.	Deleted	This amendment is to remove the requirement for the Designated Gas Transporter to retain the removed Meter following the age-related meter change operation for Retail Customers.

<b><u>Modification Ref. No.</u></b>	<b><u>Clause</u></b>	<b><u>Original Text</u></b>	<b><u>Modification</u></b>	<b><u>Reasons</u></b>
GMC/2016/8	Appendix 1	New insertion.	AGA Report No.11 Measurement of Natural Gas by Coriolis Meter	This amendment is to include Coriolis Meter in the Code.
GMC/2016/9	Appendix 2	<b>LIST OF TEST FACILITIES FOR METERS</b> 1 Alden, MA, USA 2 Bishop Auckland testing facility, UK 3 Colorado Engineering Experiment Station Inc (CEESI), Colorado, USA 4 LADG , Associated Laboratory for gas flow measurement (issuing from a partnership between high pressure facilities of Gaz de France's research and development facilities and CESAME LNE Ouest. 5 NEL, UK 6 NMi, Holland 7 Ruhrgas, Germany (PTB, Pigsar) 8 TransCanada Calibrations, Canada 9 Southwest Research Institute-Gas Technology Institute (GTI) Metering Research Facility	<b>LIST OF TEST FACILITIES FOR METERS</b> 1 TransCanada Calibrations, Canada 2 CESAME-EXADEBIT, France 3 Pigsar, E.ON Ruhrgas AG, Germany 4 NMi EuroLoop, The Netherlands 5 DNV GL Flow Centre, UK 6 NEL, UK 7 Alden Research Laboratory Inc, USA 8 Colorado Engineering Experiment Station Inc (CEESI), USA 9 Metering Research Facility, Southwest Research Institute, USA	This amendment is to rearrange and update the name of the test facilities.

**Representations on the Proposed Modifications to the Gas Metering Code**

Name: \_\_\_\_\_ Designation: \_\_\_\_\_  
 Company: \_\_\_\_\_ Email: \_\_\_\_\_  
 Role (Gas Transporter/Shipper/Retailer/Consumer/Others): \_\_\_\_\_  
 Submission Date: \_\_\_\_\_ (dd/mm/yy)

Modification Ref. No.	Clause <sup>*</sup>	Comments

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<sup>\*</sup> With reference to the section of the Gas Metering Code dated January 2015 as published on EMA's website.