

Gas (Metering) Regulations 2008

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FIRST SCHEDULE Accuracy Limits for Meters

SECOND SCHEDULE Periodic Testing and Calibration of Meter Installations

No. S 459

**GAS ACT
(CHAPTER 116A)**

GAS (METERING) REGULATIONS 2008

In exercise of the powers conferred by section 96 of the Gas Act, the Energy Market Authority of Singapore, with the approval of the Minister for Trade and Industry, hereby makes the following Regulations:

PART I

PRELIMINARY

Citation and commencement

1. These Regulations may be cited as the Gas (Metering) Regulations 2008 and shall come into operation on 15th September 2008.

Definitions

2.—(1) In these Regulations, unless the context otherwise requires —

“accuracy limits” means the accuracy limits for a specified range of volume of gas as set out in the First Schedule;

“balancing period” means a period of one hour commencing on an hour bar and ending on the next following hour bar;

“BPCM installation” means a balancing period capable meter installation for which —

- (a) meter reading is not conducted for each balancing period;
- (b) meter data is recorded in the meter installation for each balancing period; and
- (c) meter data is available to the designated gas transporter at intervals longer than every hour;

“BPRM installation” means a balancing period read meter installation for which —

- (a) meter reading is conducted for each balancing period;
- (b) meter data is recorded in the meter installation for each balancing period; and
- (c) meter data is available to the designated gas transporter at hourly intervals;

“designated gas transporter” has the same meaning as in section 61A of the Act;

“DRCM installation” means a daily read capable meter installation for which —

- (a) meter data is recorded in the meter installation for each day; and
- (b) meter data is available to the designated gas transporter at intervals longer than every day;

“meter data” means all data collected and transferred from a meter installation, including the meter readings, the meter installation ID, the relevant balancing period, energy consumption and natural gas throughput volume and quality, where applicable;

“meter installation” means any meter and its associated equipment and installation, including any associated pipework, filter, valve, pressure regulating equipment, seal, housing, mounting, telemetry equipment, gas chromatograph and flow computer;

“meter installation ID” means the identification number given to each meter installation by the designated gas transporter;

“meter owner” means a person who owns any meter installation;

“participant” means a meter owner, direct access customer or gas shipper;

“party” means a designated gas transporter or participant;

“relevant direct access customer”, in relation to a meter owner, means a direct access customer who withdraws gas conveyed to his premises through a meter installation owned by the meter owner;

“relevant gas shipper”, in relation to a meter owner, means a gas shipper who ships gas into or out from, the point in a gas transmission pipeline where a meter installation owned by the meter owner is installed;

“retail customer” means a consumer, other than a direct access customer, who is supplied with gas by a gas retailer and whose premises are connected to a gas mains network.

(2) Except as otherwise expressly provided, any reference in these Regulations to a meter installation shall not include a reference to a meter installation located at the premises of a retail customer.

PART II

METER INSTALLATION AND SECURITY

Location of meter installation

3. Every meter owner shall ensure that his BPCM installation or DRCM installation is installed in such location and in such a manner as will enable any person, authorised by a relevant gas shipper to read the meter, to have reasonable access to the meter with minimal risk of bodily injury to himself.

Tampering with meter installation, etc.

4.—(1) No person shall alter or tamper with, or carry out, engage in or do anything in relation to, any meter installation such as to compromise or adversely affect the accuracy of the meter installation.

(2) In this regulation, “meter installation” —

(a) includes a meter installation located at the premises of a direct access

customer or a retail customer; and

- (b) does not include any meter.

Notification of tampering with meter installation, etc.

5. Where any meter installation has been altered or tampered with, or has had its accuracy compromised or adversely affected, the meter owner of the meter installation shall —

- (a) notify all of the parties affected by such an occurrence; and
- (b) arrange for tests to be conducted on the meter installation and, if necessary, repair the meter installation, to ensure that the meter installation is operating within the accuracy limits.

Security of meter data

6. Every meter owner shall, in respect of every meter installation he owns —

- (a) ensure that the meter installation is secured against unauthorised access, interference and tampering, and, where necessary, install a remote alarm which alerts the meter owner to any unauthorised access to the meter installation;
- (b) ensure that the meter installation is located as close to the point of measurement on the gas transmission pipeline as technically practicable;
- (c) ensure that the meter data held in the meter installation is protected from unauthorised local or remote electronic access by implementing appropriate security measures, including, where necessary, password protection and data firewalls;
- (d) ensure that the security measures he has implemented to prevent any unauthorised local or remote electronic access to the meter data held in the meter installation are reviewed periodically;
- (e) keep secure record of the electronic access password used to prevent any unauthorised local or remote electronic access to the meter data held in the meter installation; and
- (f) provide the designated gas transporter or a relevant gas shipper, as the case may be, with a "read only" password to access the meter data held in the meter installation.