CONSULTATION PAPER

PROPOSED MODIFICATIONS TO GAS SUPPLY CODE

Closing date for submissions of comments and feedback:
23 May 2014
Note: There will be no extension of deadline beyond 23 May 2014, 5pm

10 APR 2014

ENERGY MARKET AUTHORITY
991G Alexandra Road #02-29
Singapore 119975
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 Supply Code sets out the obligation of gas licensees to comply with the standards and procedures for the safe operation of the gas supply system.

1.2 The Gas Supply Code also describes the rights and obligations of the gas licensees in respect of the conveyance of gas and provision of gas supply.

2 Proposed Modifications

2.1 Pursuant to Clause 1.6 of the Gas Supply Code, EMA seeks representations on the proposed modifications to the Gas Supply Code as set out in Appendix 1.

2.2 The proposed modifications are to :-

a) simplify the plans submission procedure for application of gas supply and review the work for alteration and inspection of gas installation and gas fitting; and

b) include the responsibilities of the LNG Terminal Operator.

3 Request for Written Representations

3.1 EMA invites written representations on the proposed modifications to the Gas Supply 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:

yamuna_munkuthy@ema.gov.sg and chow_siu_hang@ema.gov.sg

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

Gas Regulation Branch
Regulation Division
Energy Market Authority
991G Alexandra Road #02-29
Singapore 119975
Fax: (65) 6835 8020

3.3 Anonymous submission will not be considered.

3.4 All submissions must reach EMA by 5pm on 23 May 2014.

3.5 EMA will acknowledge receipt of all submissions electronically. Please contact Ms Yamuna Munkuthy at 6376 7470 or Mr Chow Siu Hang at 6376 7563 if you have not received 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 Supply Code

Modification Ref. No.	**Clause***	**Original Text**	**Modification**	**Reasons**
GSC/2014/1	2.1.2	Submission of plans for gas service works A licensed gas service worker may submit plans for the following works: (a) Residential premises (i) gas installation pipework to existing individual landed houses; (ii) all retail consumers' internal pipes, including the meter, of existing multi-storey apartments or similar developments;	Submission of plans for gas service works A licensed gas service worker may submit plans for the following works: (a) Residential premises ~~(i) gas installation pipework to existing individual landed houses;~~ ~~(ii) all retail consumers' internal pipes, including the meter, of existing multi-storey apartments or similar developments;~~ All gas installations in retail consumers' premises.	This amendment is to simplify the plans submission procedure for the application of gas supply.

* With reference to the section of the Gas Supply Code dated February 2008 as published on EMA's website.

Modification Ref. No.	**Clause***	**Original Text**	**Modification**	**Reasons**
		(b) Non-residential premises All retail consumers' internal pipes, including the meter, of existing commercial and industrial premises. Where any of the above mentioned works is meant for operating pressures above 30 mbars or involving gas booster system, gas leakage detection system incorporating solenoid valve or welded steel pipe joints or specialised gas equipment not used for cooking purposes, plans for the gas service works shall be submitted by a professional engineer.	(b) Non-residential premises All retail consumers' internal pipes, including the meter, of ~~existing~~ commercial and industrial premises. Where any of the above mentioned works is meant for operating pressures above 30 mbars ~~or involving gas booster system, gas leakage detection system incorporating solenoid valve or welded steel pipe joints or specialised gas equipment not used for cooking purposes~~, plans for the gas service works shall be submitted by a professional engineer.	This amendment will enable a Licensed Gas Service Worker to submit plans for gas service works for non-residential gas installations at 30 mbars and below, involving a gas booster system, a gas leakage detection system incorporating solenoid valve or welded steel pipe joints or specialised gas equipment not used for cooking purposes, which are common and standard gas installations in the industry.
GSC/2014/2	4.1.2	In the case of gas installation operating at pressures above 30 mbars or involving a gas booster system, a gas leakage detection system incorporating solenoid valve or welded steel pipe joints or specialised gas equipment not used for cooking purposes, the replacement of or addition or alteration to such gas installation shall be designed by a professional engineer and such work shall be performed by or under the supervision of a professional engineer.	In the case of gas installation operating at pressures above 30 mbars ~~or involving a gas booster system, a gas leakage detection system incorporating solenoid valve or welded steel pipe joints or specialised gas equipment not used for cooking purposes,~~ the replacement of or addition or alteration to such gas installation shall be designed by a professional engineer and such work shall be performed by or under the supervision of a professional engineer.	This amendment will enable a Licensed Gas Service Worker to carry out gas service work for non-residential gas installations at 30 mbars and below, involving a gas booster system, a gas leakage detection system incorporating solenoid valve or welded steel pipe joints or specialised gas equipment not used for cooking purposes, which are common and standard gas installations in the industry. However, a professional engineer will be required to

Modification Ref. No.	Clause*	Original Text	Modification	Reasons
				carry out or supervise gas service work for gas installations above 30 mbar.
GSC/2014/3	7.2.1	The gas transporter or operator of any relevant facility referred to in section 38 of the Act, shall ensure that the gas supply to retail consumers be odorised using an appropriate odorant such as Tetrahydrothiophene (THT) to enable detection by a normal sense of smell.	The ~~gas transporter or~~ operator of any relevant facility referred to in section 38 of the Act, shall ensure that the gas supply to ~~retail~~ all consumers be odorised using an appropriate odorant such as Tetrahydrothiophene (THT) to enable detection by a normal sense of smell.	This amendment is for gas supply to be odorised at transmission network injection point and detectable by a normal sense of smell for supply to all consumers on safety considerations.
GSC/2014/4	9.2(b)	the gas transporter may require the responsible person of every residential building with multiple consumers to engage a licensed gas service worker or a professional engineer to carry out inspection of gas installation or gas fitting linking the gas service isolation valve up to the meters of individual residential units in building in accordance with a systematic five yearly inspection programme.	the gas transporter may require the responsible person of every residential building with multiple consumers to engage a licensed gas service worker or a professional engineer to carry out inspection or soundness test where necessary, of gas installation or gas fitting linking the gas service isolation valve up to the meters of individual residential units in building in accordance with a systematic five yearly inspection programme.	This amendment is to provide better clarity.
GSC/2014/5	9.3(b)	if any part of a gas installation or gas fitting referred to in clauses 9.3(a)(i) and (ii) is not accessible for inspection (not applicable for that short length of pipe immediately after the gas service isolation valve that is buried in the ground and covered by leak survey programme under clause 8.5), inspection and soundness test shall be carried out by a professional	if any part of a gas installation or gas fitting referred to in clauses 9.3(a)(i) and (ii) is not accessible for inspection, ~~(not applicable for that short length of pipe immediately after the gas service isolation valve that is buried in the ground and covered by leak survey programme under clause 8.5), inspection and~~ soundness test shall be carried out by a professional	Soundness test is required to be carried out for gas installation or gas fitting that is not accessible regardless of whether leak survey has been carried out by the gas transporter under Clause 8.5.

Modification Ref. No.	Clause*	Original Text	Modification	Reasons
		engineer appointed by the responsible person once every three years. The soundness test for gas installation or gas fitting shall be carried out at the operating pressure. The inspection of gas installation or gas fitting by a licensed gas service worker in clauses 9.3(a)(i) and (ii) will not be required for a period of 12 months after the inspection and soundness test by a professional engineer; and	engineer appointed by the responsible person once every three years. The soundness test for gas installation or gas fitting shall be carried out at the operating pressure. The inspection of gas installation or gas fitting by a licensed gas service worker in clauses 9.3(a)(i) and (ii) will not be required for a period of 12 months after the ~~inspection and~~ soundness test by a professional engineer; and	
GSC/2014/6	9.3(c)	For gas installation or gas fitting of non-residential premises operating at any pressure above 30 mbars, or involving a gas booster system or specialised equipment, the gas transporter may, in discharging its obligation under section 29(4) of the Act, require the responsible person to appoint a professional engineer to certify annually the fitness for such part of the gas installation or gas fitting for which the afore-mentioned person is responsible.	For gas installation or gas fitting of non-residential premises operating at any pressure above 30 mbars, ~~or involving a gas booster system or specialised equipment,~~ the gas transporter may, in discharging its obligation under section 29(4) of the Act, require the responsible person to appoint a professional engineer to certify annually the fitness for such part of the gas installation or gas fitting for which the afore-mentioned person is responsible.	A professional engineer will be required to certify the fitness for gas installations above 30 mbars.
GSC/2014/7	12	RESPONSIBILITIES OF THE GAS TRANSPORTER AND ONSHORE RECEIVING FACILITY OPERATOR	RESPONSIBILITIES OF THE GAS TRANSPORTER, ~~AND~~ ONSHORE RECEIVING FACILITY OPERATOR AND LNG TERMINAL OPERATOR	To include responsibilities of the LNG terminal operator.
GSC/2014/8	12.1	Each of the gas transporters and the onshore receiving facility operator shall operate and maintain its onshore receiving facility in a reasonable and prudent manner to ensure that normal operating condition is maintained at all times and the	Each of the gas transporters, ~~and~~ the onshore receiving facility operator and LNG terminal operator shall operate and maintain its onshore receiving facility or its LNG terminal in a reasonable and prudent manner to ensure that normal operating	To include responsibilities of LNG terminal operator.

Modification Ref. No.	Clause*	Original Text	Modification	Reasons
		risk of failure to convey gas to the consumers is minimized at all times. To achieve such a condition, the gas transporter and the onshore receiving facility operator shall do, at least but are not limited to, the following:	condition is maintained at all times and the risk of failure to convey gas to the consumers is minimized at all times. To achieve such a condition, the gas transporter, ~~and~~ the onshore receiving facility operator and LNG terminal operator shall do, at least but are not limited to, the following:	
GSC/2014/9	12.1(a)	determine the maintenance programme required in respect of the gas supply system or the onshore receiving facility, as the case may be, and plan the maintenance so as to minimise or avoid gas supply disruption;	determine the maintenance programme required in respect of the gas supply system or the onshore receiving facility or the LNG terminal, as the case may be, and plan the maintenance so as to minimise or avoid gas supply disruption~~;~~, in accordance with/or as stringent as the Original Equipment Manufacturer's requirements and/or the industry best practices;	This amendment requires the Gas Transporter, onshore receiving facility operator and LNG terminal operator to maintain their facilities at least as stringent as their Original Equipment Manufacturer's requirements and/or industry best practices. This is to ensure and enhance reliability and availability of their gas facilities.
GSC/2014/10	12.1(b)	carry out analysis to identify factors that can affect the gas supply system or the onshore receiving facility and take necessary precautions to mitigate the risks prior to any operation, maintenance and modification activities;	carry out analysis to identify factors that can affect the gas supply system or the onshore receiving facility or the LNG terminal and take necessary precautions to mitigate the risks prior to any operation, maintenance and modification activities;	To cover the LNG terminal.
GSC/2014/11	12.1(e)	engage and make available, at all times, trained and qualified person(s) to operate and maintain the gas supply system or the onshore receiving facility as the case may be;	engage and make available, at all times, trained and qualified person(s) to operate and maintain the gas supply system or the onshore receiving facility or the LNG terminal, as the case may be;	To cover the LNG terminal.

Modification Ref. No.	Clause*	Original Text	Modification	Reasons
GSC/2014/12	12.1(f)	take precautionary measures to ensure that all activities carried out do not pose a danger to the gas supply system or the onshore receiving facility, as the case may be;	take precautionary measures to ensure that all activities carried out do not pose a danger to the gas supply system or the onshore receiving facility or the LNG terminal, as the case may be;	To cover the LNG terminal.
GSC/2014/13	12.1(g)	operate the gas supply system or the onshore receiving facility, as the case may be, in a manner which enables supply of gas to meet downstream demand for gas; and	operate the gas supply system or the onshore receiving facility or the LNG terminal, as the case may be, in a manner which enables supply of gas to meet downstream demand for gas; and	To cover the LNG terminal.
GSC/2014/14	12.3	The onshore receiving facility operator shall carry out the following promptly at all times to enable the shippers using the onshore receiving facility to inject gas into the gas supply system:	The onshore receiving facility operator and the LNG terminal operator shall carry out the following promptly at all times to enable the shippers using the onshore receiving facility or the LNG terminal to inject gas into the gas supply system:	To include responsibilities of LNG terminal operator.
GSC/2014/15	12.3(a)	provide data/information (whether electronic, written or in any other form) to the shippers on the gas quality and availability of the incoming gas supply to the onshore receiving facility;	provide data/information (whether electronic, written or in any other form) to the shippers on the gas quality and availability of the incoming gas supply to the onshore receiving facility or the LNG terminal;	To cover the LNG terminal.
GSC/2014/16	12.3(b)	provide advanced information and notices to shippers on the potential problems that can arise from the activities of the onshore receiving facility operator licensee in the onshore receiving facility; and/or	provide advanced information and notices to shippers on the potential problems that can arise from the activities of the onshore receiving facility operator or the LNG terminal operator licensee in the onshore receiving facility or the LNG terminal; and/or	To include responsibilities of LNG terminal operator.

Modification Ref. No.	**Clause***	**Original Text**	**Modification**	**Reasons**
GSC/2014/17	12.3(c)	co-operate fully with shippers and relevant agencies to mitigate the consequences of any failure of the onshore receiving facility, such as an increase/decrease of gas supply or gas pressures, etc.	co-operate fully with shippers and relevant agencies to mitigate the consequences of any failure of the onshore receiving facility or the LNG terminal, such as an increase/decrease of gas supply or gas pressures, etc.	To cover the LNG terminal.
GSC/2014/18	12.4	The onshore receiving facility operator shall investigate any failure of the onshore receiving facility in injecting gas into the gas supply system and submit a written report to the Authority within a reasonable period of time as may be directed by the Authority.	The onshore receiving facility operator or the LNG terminal operator shall investigate any failure of the onshore receiving facility or the LNG terminal, as the case may be, in injecting gas into the gas supply system and submit a written report to the Authority within a reasonable period of time as may be directed by the Authority.	To include responsibilities of the LNG terminal operator.

Appendix 2

Representations on the Proposed Modifications to the Gas Supply Code

Name: _____ Designation: _____

Company: _____ Email: _____

Role: _____

Submission Date: _____ (dd/mm/yy)

Modification Ref. No.	Clause*	Public Comments

* With reference to the section of the Gas Supply Code dated February 2008 as published on EMA's website.