



## SINGAPORE STANDARD

# Specification for quality management for bunker supply chain (QMBS)



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The Chemical Standards Committee, appointed by the Standards Council, consists of the following members:

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The Technical Committee on Bunkering, appointed by the Chemical Standards Committee, consists of representatives from the following organisations:

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		Mr Kwok Fook Sing	International Bunker Industry Association (Asia) Ltd	
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		Mr Tim Wilkins	The International Association of Independent Tanker Owners	
		Mr Wu Jian	National Metrology Centre, Agency for Science, Technology and Research	
		Capt. Yoon Peng Kwan	Singapore Shipping Association	

The Working Group on Quality Management, appointed by the Technical Committee to assist in the preparation of this standard, comprises the following experts who contribute in their *individual capacity*:

		Name
Convenor	:	Mr Aloysius Seow
Secretary	:	Ms Elane Ng
Members	:	Ms Chin Lee Chen
		Ms Chin Poh Yin
		Mr Darajit Daud
		Mr Heng Hoon Jee
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		Mr Douglas Raitt

The organisations in which the experts of the Working Group are involved are:

DNV Petroleum Services Pte Ltd Lloyd's Register (FOBAS) Lloyd's Register Quality Assurance Limited Maritime and Port Authority of Singapore Ocean Tankers Pte Ltd Piroj International Pte Ltd Sentek Marine & Trading Pte Ltd SGS Testing & Control Services Singapore Pte Ltd Singapore Accreditation Council International Bunker Industry Association (Asia) Ltd

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#### Foreword

This Singapore Standard was prepared by the Working Group on Quality Management for Bunker Supply Chain (QMBS) appointed by the Technical Committee on Bunkering under the purview of the Chemical Standards Committee.

The management system established via the Singapore Standard covers the entire process chain from procurement to the delivery of bunkers to vessels in the Singapore port. By putting in place a comprehensive quality management system for the bunker supply chain, vessels calling in the Singapore port can be assured that the quality of bunkers delivered meets expectations.

After a two-year trial (pilot) implementation of TR 8 : 2003, the original Working Group was re-formed on 7 June 2005 to elevate TR 8 to Singapore Standard SS 524 : 2006. This edition is a revision of SS 524 : 2006 with alignment to ISO/IEC Directive Part 1 Annex SL - Proposals for management system standards - Appendix 2 : High level structure, identical core text, common terms and core definitions.

This Singapore Standard is used by the Maritime and Port Authority of Singapore (MPA), the implementing authority of this Singapore Standard, in the implementation of the accreditation scheme for bunker suppliers. Bunker suppliers are required to set up and execute their quality management system based on the requirements of this Singapore Standard.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

#### NOTE

- 1. Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.
- 2. An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.
- 3. Compliance with a SS or TR does not exempt users from any legal obligations.

# Specification for quality management for bunker supply chain (QMBS)

#### 1 Scope

This Singapore Standard is developed to benchmark an effective and efficient quality management system for the bunker supply chain (QMBS) and consequently to serve as the standard for improvement of the performance of bunker suppliers.

The objectives of this Singapore Standard are to establish benchmarks for the management of the bunker supply chain and ensure that:

- a) the quality of bunkers supplied to vessels conforms to ISO 8217 and IMO Regulations Annex VI of MARPOL 73/78, whichever common quality parameter is more stringent; and
- b) the quantity of bunkers delivered to vessels is in accordance with the requirements of SS 600.

This Singapore Standard does not alter the contractual obligations of shipowners / buyers and bunker suppliers.

#### 2 Normative references

The following referenced documents are indispensable for the application of this standard. For undated references, the latest edition of the referenced document (including any amendments) applies unless otherwise stated by the implementing authority.

ISO 8217Petroleum products – Fuels (class F) – Specifications of<br/>marine fuelsSS 600Code of practice for bunkeringIMO Regulations – Annex VI of<br/>MARPOL 73/78Regulations for the prevention of air pollution from ships