

SS 524:2021
(ICS 03.120.10; 47.020)

SINGAPORE STANDARD

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



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Foreword

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

SS 524 covers the management system for the entire bunker supply chain from management responsibility, product procurement, custody control, right up to the final delivery of bunker fuel to vessels in the port of Singapore. The management system requires that the quality of bunkers in every link of the supply chain be taken care of by the suppliers to assure customers that the quality of the bunkers supplied to vessels meets expectations.

This Singapore Standard is developed in collaboration with the industry and the Maritime and Port Authority of Singapore (MPA). This is the first national quality management standard for the bunkering industry. Singapore is the first port in the world to introduce such a standard for bunker suppliers. This standard helps bunker suppliers set up and execute their quality management system based on the requirements of this Singapore Standard.

First developed and launched in 2003, as one of the requirements for the MPA's Accreditation Scheme for Bunker Suppliers, TR 8:2003 was elevated to a Singapore Standard, SS 524, in 2006. The standard has subsequently undergone a revision in 2014. This edition supersedes SS 524:2014 in alignment with ISO/IEC Directives Part 1, 2020 edition, Annex SL Proposals for management system standards. The content of this standard has been updated to be in alignment with the latest versions of SS 600, "Code of practice for bunkering by bunker tankers using tank gauging" and SS 648, "Code of practice for bunker mass flow metering".

The objectives of this 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, "Petroleum products – Fuels (class F) – Specifications of marine fuels";
- b) the quantity of bunkers delivered to vessels is in accordance with requirements of SS 600 and SS 648.

It is presupposed that users, in the course of their work, will comply with all relevant regulatory and statutory requirements. Some examples of relevant regulations and acts are listed in the Bibliography. The Singapore Standards Council and Enterprise Singapore will not be responsible for identifying all of such legal obligations.

Acknowledgement is made to International Standard Organisation for their kind permission to reproduce their materials from the following publications:

1. Definitions from ISO/IEC Directives Part 1, 2020 edition Annex SL Proposals for management system standards
2. Clause 6.2.13 of ISO/IEC 17020:2012 Conformity assessment – Requirements for the operation of various types of bodies performing inspection

ISO standards can be purchased from Enterprise Singapore.

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. Where SSs are deemed to be stable, i.e. no foreseeable changes in them, they will be classified as “mature standards”. Mature standards will not be subject to further review unless there are requests to review such standards.*
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 and the Singapore Standards Council 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. Although care has been taken to draft this standard, users are also advised to ensure that they apply the information after due diligence.*
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 standard is developed to provide a benchmark for an effective and efficient quality management system for the bunker supply chain (QMBS).

2 Normative references

The following referenced documents are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8217	Petroleum products – Fuels (class F) – Specifications of marine fuels
SS 600	Code of practice for bunkering by bunker tankers using tank gauging
SS 648	Code of practice for bunker mass flow metering