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Petroleum products — Procedures for the transfer of bunkers to vessels

*Produits pétroliers — Procédures de transfert des soutes dans les
navires*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*, Subcommittee SC 2, *Measurement of petroleum and related products*.

This second edition cancels and replaces the first edition (ISO 13739:2010), which has been technically revised. The main changes compared with the previous edition are as follows:

- definitions of the verbal forms “shall”, “should”, “may” and “can” have been included in the Introduction;
- definitions of “list”, “list correction”, “supplier’s representative”, “trim” and “trim correction” have been added in [Clause 3](#);
- the following terms have been replaced throughout the document:
 - “SHE” has been replaced by “HSE”;
 - “cargo officer” has been replaced by “supplier’s representative”;
 - “note of protest” has been replaced by “letter of protest”;
- [7.6](#) and [Annex Q](#) have been revised to include delivery by shore pipeline and road tankers;
- [11.5](#) has been updated to include a reference to MARPOL, Annex VI, Regulations 14.1, 14.4 and 18.3^[31];
- a requirement to check for any leakages for filling lines has been included in [A.5.4](#);
- units of measurements have been included in [Annex H](#);
- a requirement to drain bunker tanker lines and hoses before opening and closing measurements has been included in [J.3](#);

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- the recording of secondary measurement has been included and the requirement on gauging and zero dip have been revised in [J.4](#);
- a sample of a delivery time log has been included as a new [Annex Q](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document was developed for the benefit of the marine industry, including ship owners, operators, charterers, bunker suppliers, bunker tanker operators and surveyors. It sets out a series of procedures to promote the uniform and expeditious transfer of bunkers to vessels meeting the latest health, safety and environmental (HSE) standards.

Local and international regulations, such as the International Maritime Organization (IMO) regulation *International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL), Annex VI: Prevention of Air Pollution from Ships*^[31], apply to all parties involved in the transfer of bunkers.

In this document, the following verbal forms are used:

- “shall” indicates a requirement;
- “should” indicates a recommendation;
- “may” indicates a permission;
- “can” indicates a possibility or capability.

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WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

1 Scope

This document specifies procedures and requirements for the transfer of bunkers to vessels involving bunker tankers, road tankers and shore pipelines. It is applicable to pre-delivery, delivery and post-delivery checks and documentation.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4268, *Petroleum and liquid petroleum products — Temperature measurements — Manual methods*

ISO 8217, *Petroleum products — Fuels (class F) — Specifications of marine fuels*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

bunker

marine fuels comprising distillate fuels and/or residual fuels for a *vessel's* (3.23) consumption

3.2

bunker agreement

contractual terms applying to a *bunker* (3.1) transfer

3.3

bunker delivery note

BDN

official document from the *supplier* (3.19) providing information on the quantity of the *bunker(s)* (3.1) delivered to the *vessel* (3.23) and limited information on the quality

3.4

bunker surveyor

person engaged to survey the *bunker* (3.1) operation

3.5

bunker tanker

bunker barge or tanker used for the supply of *bunkers* (3.1) to the *vessel* (3.23)