
**Ships and marine technology —
Shipboard incinerators —
Requirements**

*Navires et technologie maritime — Incinérateurs de bord pour
navires — Exigences*



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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 8, *Ships and marine technology*, Subcommittee SC 2, *Marine environment protection*.

This third edition cancels and replaces the second edition (ISO 13617:2001), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the document was revised for continued consistency with International Maritime Organization provisions for shipboard incinerators, which was updated in 2014;
- several updates were made to the definitions in [Clause 3](#) and to the references of standards cited in [Clause 5](#);
- updates also reflect changes in the regulations of the International Maritime Organization, *International Convention on the Safety of Life at Sea, 2014 (SOLAS)*.

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.

Ships and marine technology — Shipboard incinerators — Requirements

1 Scope

This document covers the design, manufacture, performance, operation, functioning and testing of incinerators intended to incinerate garbage and other shipboard wastes generated during a ship's normal service (i.e. maintenance, operational, domestic and cargo-associated wastes).

This document is applicable to incinerator plants with capabilities up to 4 000 kW per unit.

This document is not applicable to systems on special incinerator ships, e.g. for burning industrial wastes such as chemicals, manufacturing residues, etc.

It does not address the electrical supply to the unit, nor the foundation connections and stack connections.

This document provides emission requirements in [Annex A](#), location requirements in [Annex B](#), and flue gas temperature requirements in [Annex D](#). Recommendations for incinerators integrated with heat recovery units are given in [Annex C](#).

The activities associated with this document can involve hazardous materials, operations and equipment. It does not purport to address all of 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 determine the applicability of regulatory limitations prior to use.

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.

International Maritime Organization. *International Convention on the Safety of Life at Sea*, 2014 (SOLAS), Chapter II-2, Regulations 3 and 9

International Maritime Organization. *International Convention for the Prevention of Pollution from Ships*, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL)

IEC 60092, *Electrical installations in ships*

IEC 60092-201:1994, *Electrical installations in ships — Part 201: System design — General*

IEC 60092-202:2016, *Electrical installations in ships — Part 202: System design — Protection*

IEC 60092-301:1980, *Electrical installations in ships — Part 301: Equipment — Generators and motors*

IEC 60092-352:2005, *Electrical installations in ships — Part 352: Choice and installation of cables for low-voltage power systems*

IEC 60092-503:2007, *Electrical installations in ships — Part 503: Special features — A.C. supply systems with voltages in the range of 1 kV and up to and including 11 kV*

IEC 60529:1989 (Amd 1:1999, Amd 2:2013), *Degrees of protection provided by enclosures (IP Code)*

ISO/IEC 17025:2017, *General requirements for the competence of testing and calibration laboratories*