
**Ships and marine technology — Ship
recycling management systems —
Specifications for management systems
for safe and environmentally sound ship
recycling facilities**

*Navires et technologie maritime — Systèmes de management de
recyclage des navires — Spécifications relatives aux systèmes de
management pour les chantiers de recyclage des navires, sûrs et non
polluants*

ISO 30000:2009

<https://standards.iteh.ai/catalog/standards/sist/abd08a40-e724-4976-8d99-8e8f74615dcf/iso-30000-2009>



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 30000 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*.

This first edition of ISO 30000 cancels and replaces ISO/PAS 30000:2008, which has been technically revised.

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Introduction

This International Standard has been developed in response to demand from industry for a ship recycling standard.

NOTE This International Standard is based on the methodology known as Plan-Do-Check-Act (PDCA). PDCA can be described as follows.

- Plan: establish the objectives and processes necessary to deliver results in accordance with the organization's ship recycling policy.
- Do: implement the processes.
- Check: monitor and measure processes against recycling policy, objectives, targets, legal and other requirements, and report results.
- Act: take actions to continually improve performance of the recycling management system.

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Ships and marine technology — Ship recycling management systems — Specifications for management systems for safe and environmentally sound ship recycling facilities

1 Scope

This International Standard specifies requirements for a management system to enable a ship recycling facility to develop and implement procedures, policies and objectives in order to be able to undertake safe and environmentally sound ship recycling operations in accordance with national and international standards. The management system requirements take into account the relevant legal requirements, safety standards and environmental elements that the ship recycling facility needs to identify and comply with in order to carry out safe and environmentally sound ship recycling.

This International Standard applies to the entire process: accepting a ship for recycling by the facility; assessing the hazards onboard the ship; identifying and complying with any applicable notification and import requirements for ships to be recycled; carrying out the recycling process in a safe and environmentally sound manner; conducting required training; ensuring the availability of social amenities (e.g. first aid, health checks, food and beverages); storage and processing of materials and wastes from the ship; waste stream and recycling stream management, including contractual agreements; and documentation controls for the process, including any applicable notification of the final disposal of the vessel.

This International Standard is applicable to any ship recycling facility that wishes to:

- a) establish, implement, maintain and improve a safe and environmentally sound management system for the recycling of ships;
- b) assure itself of conformity with its stated safe and environmentally sound management policy;
- c) demonstrate conformity with this International Standard by
 - 1) making a self-determination and self-declaration, or
 - 2) seeking confirmation of its conformance by parties having an interest in the facility such as customers, or
 - 3) seeking confirmation of its self-declaration by a party external to the organization, or
 - 4) seeking certification/registration of its management system by an external organization.

All the requirements of this International Standard are intended to be incorporated into the management systems of any ship recycling facility. In order to be in compliance with this International Standard, the management systems will address all requirements.

A comparison of this International Standard and the planned IMO International Convention for the safe and environmentally sound recycling of ships is given in Annex A.

2 Normative references

No normative references are cited. This clause is included to enable numeric consistency and comparison with similar International Standards.

3 Terms and definitions

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

3.1 audit

systematic, independent and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which the management system audit criteria set by the facility are fulfilled

3.2 auditor

person with the demonstrated personal attributes and competence to conduct an audit

[ISO 9000:2005, 3.9.9]

3.3 continual improvement

process of enhancing the management system, to achieve improvements in overall safety and environmental performance, in line with the organization's **ship recycling management policy** (3.19)

NOTE The process need not take place in all areas of activity simultaneously.

3.4 hazard

source or situation with a potential for harm in terms of human injury or ill health (both short and long term), damage to property, damage to the environment, or a combination of these

3.5 hazardous material

item, element or substance with a potential for harm in terms of human injury or ill health (both short and long term), damage to property, damage to the environment, or a combination of these

3.6 import

procedure(s) and action(s) followed to enable a ship to arrive at the ship recycling facility or handover from another location; including gaining any necessary agreements, notifications, and licenses from relevant authorities, the physical process of safely navigating the vessel and the contractual and certificateable roles and responsibilities

3.7 interested party

person or group concerned with or affected by the safety and environmental performance of the facility, including workers and subcontractors at the facility or at other works used by the facility, and the public at large

3.8 nonconformity

non-fulfilment of a requirement

[ISO 9000:2005, 3.6.2]

3.9**notification**

method, procedure or process that ensures that any relevant and required notices are communicated at appropriate times to the appropriate parties and any necessary permissions received

3.10**organization**

company, corporation, firm, enterprise, authority or institution, person or persons or part or combination thereof, whether incorporated or not, public or private, that has its own functions and administration

3.11**preventive action**

action to eliminate the cause of a potential **nonconformity** (3.8)

3.12**procedure**

specified way to carry out an activity or a process

3.13**recycle**, verb

accept (prepare, purchase and import) and dismantle a ship, and transport and dispose of or re-use the materials, items or components

NOTE May be used to describe any related activity within the recycling facility.

3.14**recycling aspect**

element of a recycling facility's operations, procedures, activities, waste management, contracting, dismantling, storage, separation, processing, disposal, recycling, re-use, re-selling or trading that has, or potentially has, influence on health, safety, environmental or legal requirements

NOTE A significant recycling aspect has or can have a significant **recycling impact** (3.15).

3.15**recycling impact**

effect on health, safety, environmental or legal requirements, whether adverse or beneficial, wholly or partially resulting from aspects of the recycling facility's operations

3.16**safety**

arrangements, conditions and working environment such that all conditions and factors that affect the well-being of employees, temporary workers, contractor personnel, managers, visitors and any other person in the workplace are in accordance with required standards for occupational health and safety performance, and such that there is freedom from an unacceptable risk of harm, or some higher standard as specified in the policy, targets or objectives

3.17**ship**

vessel or floating structure of any type, size or construction that is to be recycled in the facility according to this document

3.18**ship recycling facility**

defined area, site, yard or facility, including the organization that manages it, used for recycling of ships

NOTE Referred to within this International Standard as 'facility' for shorthand.

3.19
ship recycling management policy
ship recycling policy

overall intentions and direction of an organization related to its health, safety, welfare and environmental performance as formally expressed by top management

NOTE The ship recycling policy provides a framework for action and for the setting of objectives and targets.

3.20
ship recycling management target

specific level of performance required to achieve a ship recycling management objective

3.21
ship recycling management objective

specific outcome or achievement required in order to meet the ship recycling management policy

3.22
ship recycling management programme

means by which a ship recycling management objective is achieved

3.23
stakeholder

person or party with financial or legally mandated interest in the ship or the recycling process of the ship or facility

NOTE Stakeholders include at least the shipowner, the flag state of the ship, the recycling facility top management and the national authority of the state where the recycling facility is located.

3.24
top management

person or group of people who directs and controls an organization at the highest level

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4 Ship recycling facility management system requirements

4.1 General requirements

The recycling facility shall establish, document, implement, maintain and continually improve an effective management system for the safe and environmentally sound recycling of ships in accordance with the requirements of this International Standard and determine how it will fulfil these requirements.

The facility shall define and document the scope of its management system.

4.2 Ship recycling policy (recycling policy)

The top management shall define the facility's ship recycling policy and ensure that, within the defined scope of the management system, it

- a) ensures proper standards of safety throughout the operations of the facility, and include a commitment to human health, welfare, safety and the environment,
- b) ensures environmentally sound recycling of ships and include a commitment to prevention of pollution,
- c) includes a commitment to comply with applicable legal requirements and with other requirements to which the facility subscribes,
- d) provides a framework for setting and reviewing safety and environmental performance as well as targets and objectives,

- e) is documented, implemented, reviewed and maintained,
- f) commits to continual improvement,
- g) is communicated to all persons working for or on behalf of the facility and is understood by them, and
- h) is available to interested parties.

4.3 Planning

4.3.1 Recycling aspects

The facility shall establish, implement and maintain procedure(s)

- a) to identify the recycling aspects of its activities, operations, and procedures within the scope of the recycling management system it can control and those that it can influence taking into planned or new developments, or new or modified activities, products or services,
- b) to identify what hazardous materials, and other hazardous items the facility is able to recycle and the hazardous materials and other hazardous items the facility plans to be able to recycle,
- c) to assess the ships it is planning to recycle relative to the presence of these materials in association with the acceptance and import of such ships, and the ability of the facility to recycle these materials,
- d) to prepare for and plan the recycling of ships, and to have system to enable planning and preparation to be done for each individual ship the facility intends to recycle, and
- e) to determine those aspects that have or can have significant impact(s) on the recycling operation (e.g. significant aspect(s)).

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The procedures shall include routine and non-routine activities, activities and welfare of all personnel having access to the facility including subcontractors, ships personnel and visitors, and workshops, laboratories or other equipment provided whether by the facility itself or others.

The facility shall document this information and keep it up to date.

The facility shall ensure that the significant aspects are taken into account in establishing, implementing and maintaining its management systems.

4.3.2 Legal, statutory and other requirements

The facility shall establish, implement and maintain a procedure(s)

- a) to identify and have access to the applicable legal requirements and other requirements to which the facility is subject, whether due to international legislation, national legislation or local requirements, or to which it subscribes, related to its recycling aspects, and
- b) to determine how these requirements apply to its recycling aspects.

The facility shall ensure that these applicable legal requirements and other requirements to which the facility subscribes are taken into account in establishing, implementing and maintaining its management system.

The facility shall keep this information up to date. It shall communicate relevant information on legal and other requirements to its employees and other relevant suppliers, contractors or organizations on whose services the recycling aspects of the facility depends.