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Small craft — Builder's plate

Petits navires — Plaque du constructeur



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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 14945 was prepared by Technical Committee ISO/TC 188, *Small craft*.

Introduction

The reason underlying the preparation of this International Standard is that the European Recreational Craft Directive (Directive 94/25/EC) makes it compulsory that all recreational craft within the scope of the directive shall be labelled with a builder's plate containing specified information. This applies to boats built inside the European Union (EU) as well as boats from other countries intended to be marketed in EU countries.

As the recreational craft market is operating worldwide, it seems to be advisable to create an International Standard thus making the requirements of the builder's plate known to manufacturers in countries inside and outside the EU to facilitate marketing their boats in EU countries without additional requirements as to labelling.

Small craft — Builder's plate

1 Scope

This International Standard establishes requirements for the uniform display of information to be exhibited on the builder's plate of small craft with a hull length L_H of up to 24 m, measured according to ISO 8666.

Excluded are inflatable boats covered by ISO 6185 and personal watercraft covered by ISO 13590.

2 Normative references

The following referenced documents are indispensable for the application 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 8666, *Small craft — Principal data*

ISO 14946, *Small craft — Maximum load capacity*

3 Terms and definitions

For the purpose of this International Standard, the following terms and definitions apply.

3.1

design categories

description of the sea and wind conditions for which a boat is assessed to be suitable

NOTE The following design categories apply.

- **A: Ocean:** Designed for extended voyages where conditions may exceed wind force 8 (Beaufort scale) and significant wave heights of 4 m and above but excluding abnormal conditions, and vessels largely self-sufficient.
- **B: Offshore:** Designed for offshore voyages where conditions up to and including wind force 8 and significant wave heights up to and including 4 m may be experienced.
- **C: Inshore:** Designed for voyages in coastal waters, large bays, estuaries, lakes and rivers where conditions up to and including wind force 6 and significant wave heights up to and including 2 m may be experienced.
- **D: Sheltered waters:** Designed for voyages in sheltered coastal waters, small bays, small lakes, rivers, and canals when conditions up to and including wind force 4 and significant wave heights up to and including 0,3 m may be experienced, with occasional waves of 0,5 m maximum height, for example from passing vessels.

3.2

builder's plate

label or plate to display basic user information related to the small craft

3.3

person's symbol

figure of a person with a mass of 75 kg

3.4

suitcase symbol

figure of a suitcase representing a mass of load that may be carried when the boat is underway, such as personal equipment, personal safety equipment, spare parts, tools, dry provisions, fishing tackle, portable tanks, etc.

3.5

outboard-engine symbol

figure of an outboard engine representing the total maximum recommended outboard-engine mass for all engines

NOTE Mass is expressed in kilograms (kg).

4 General requirements

4.1 Material and fixing

The builder's plate shall be a rigid plate or flexible label affixed to the craft in such a way that it can only be removed by the use of tools. Alternatively, the boat shell may be used for the marking.

4.2 Marking

Characters and other markings on the builder's plate shall be carved, stamped-burned, embossed, moulded, etched, printed, affixed by permanently setting adhesive, or be applied by other suitable means. Alternatively, the information may be printed or etched on the craft itself.

The characters shall contrast or be on a different level to the background so that alterations will be obvious.

The colours applied to the label shall be fade resistant.

4.3 Size of characters

The required information characters shall be at least 5 mm in height.

Other characters shall be at least 3 mm in height.

4.4 Size of pictograms and symbols

Pictograms and symbols shall be at least 8 mm in height.

4.5 Location

The builder's plate shall be readily visible, preferably in the cockpit or near the main steering position.

In any case, the builder's plate shall be separate from the hull identification number.

5 Displayed information

5.1 The following information, required under the Recreational Craft Directive (RCD) 94/25/EC, shall be displayed on each builder's plate. See Annex A.

- a) Manufacturer's name.
- b) Boat design category/categories (if appropriate).

- c) Manufacturer's recommended maximum load according to ISO 14946, excluding the mass of the contents of fixed fuel and water tanks when full, with the person symbol and the suitcase symbol (see example in A.2). For craft which are powered by outboard engine(s) the mass of the engine(s) shall be included, with the outboard engine symbol (See example in A.3).
- d) Maximum number of persons that the craft is designed to carry while underway, according to ISO 14946, with the person symbol.

5.2 Where the manufacturer wishes to assign more than one design category to a boat, the display shall be such that the maximum number of persons and the maximum load are clearly identified to belong to a specific design category.

5.3 The manufacturer is free to provide additional information in the label. The inclusion of this additional information shall not impair the legibility of the minimum required information and shall be separated from it (preferably by a line or similar delimiter).

Annex A
(informative)

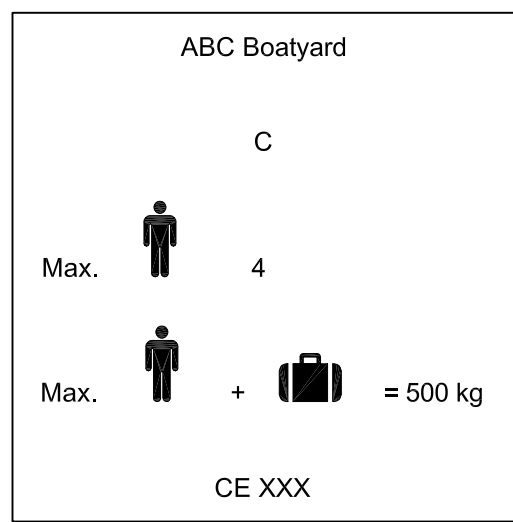
Design and examples of builder's plates

A.1 Design of builder's plate

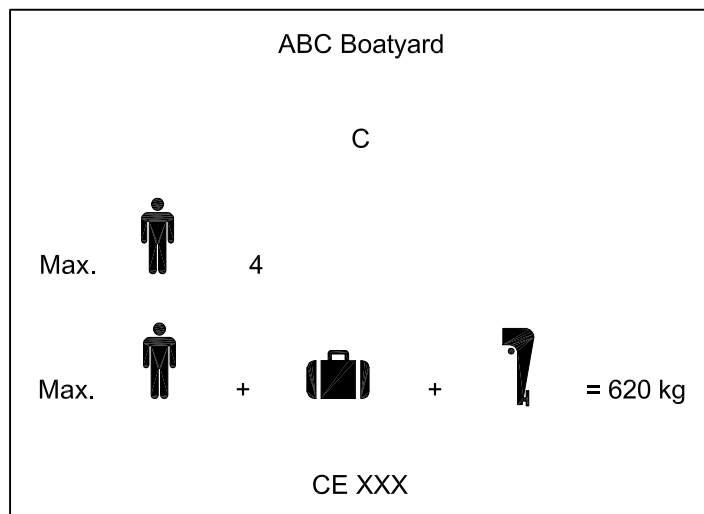
The manufacturer of the small craft is free to choose the design of the builder's plate and the order in which information is displayed.

Clauses A.2 and A.3 show typical design examples of builder's plates with minimum information.

A.2 Builder's plate with minimum information for craft powered by Inboard or sterndrive engines — Example

	Manufacturer's name
	Boat design category
	Maximum persons' capacity
	Manufacturer's recommended maximum load, excluding the mass of the contents of fixed fuel and water tanks when full
	CE mark and notified body's identification number (if applicable)

A.3 Builder's plate with minimum information for craft powered by outboard engines — Example



Manufacturer's name

Boat design category

Maximum persons' capacity

Manufacturer's recommended maximum load, including the mass of the outboard engine(s) but excluding the mass of the contents of fixed fuel and water tanks when full

CE mark and notified body's identification number (if applicable)

Bibliography

- [1] ISO 3461-1, *General principles for the creation of graphical symbols — Part 1: Graphical symbols for use on equipment*
- [2] ISO 6185 (all parts), *Inflatable boats*
- [3] ISO 7001, *Public information symbols*
- [4] ISO 10087, *Small craft — Hull identification — Coding system*
- [5] ISO 11192, *Small craft — Graphical symbols*
- [6] ISO 13590, *Small craft — Personal watercraft — Construction and system installation requirements*

