

### SLOVENSKI STANDARD **SIST EN ISO 14509:2001** 01-junij-2001

Mala plovila - Merjenje zvoka v zraku, ki ga oddajajo motorizirana rekreacijska plovila (ISO 14509:2000)

Small craft - Measurement of airborne sound emitted by powered recreational craft (ISO 14509:2000)

Kleine Wasserfahrzeuge - Messung des von motorgetriebenen Sportbooten abgestrahlten Luftschalls (ISO 14509:2000)

iTeh STANDARD PREVIEW

Petits navires - Mesurage du bruit aérien émis par les navires de plaisance motorisés (ISO 14509:2000)

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### **EUROPEAN STANDARD**

### NORME EUROPÉENNE

### EUROPÄISCHE NORM

**EN ISO 14509** 

November 2000

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#### **English version**

### Small craft - Measurement of airborne sound emitted by powered recreational craft (ISO 14509:2000)

Petits navires - Mesurage du bruit aérien émis par les navires de plaisance motorisés (ISO 14509:2000) Kleine Wasserfahrzeuge - Messung des von motorgetriebenen Sportbooten abgestrahlten Luftschalls (ISO 14509:2000)

This European Standard was approved by CEN on 8 October 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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#### **Foreword**

The text of the International Standard ISO 14509:2000 has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with CEN/CMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2001, and conflicting national standards shall be withdrawn at the latest by May 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

#### **Endorsement notice**

The text of the International Standard ISO 14509:2000 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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## Annex ZA (normative) Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

| <u>Publication</u> | <u>Year</u> | <u>Title</u>  | <u>EN</u>    | <u>Year</u> |
|--------------------|-------------|---|--------------|-------------|
| ISO 8665           | 1994        | Small craft - Marine propulsion engines and systems – Power measurements and declarations                           | EN ISO 8665  | 1995        |
| ISO 10087          | 1995        | Small craft - Hull identification -<br>Coding system  | EN ISO 10087 | 1996        |
| ISO 12001          | 1996        | Acoustics - Noise emitted by machinery and equipment - Rules for the drafting and presentation of a noise test code | EN ISO 12001 | 1996        |

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# INTERNATIONAL STANDARD

ISO 14509

First edition 2000-11-01

# Small craft — Measurement of airborne sound emitted by powered recreational craft

Petits navires — Mesurage du bruit aérien émis par les navires de plaisance motorisés

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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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 14509 was prepared by Technical Committee ISO/TC 188, Small craft.

Annex A forms a normative part of this International Standard. Annex B is for information only.

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### Small craft — Measurement of airborne sound emitted by powered recreational craft

#### 1 Scope

This International Standard specifies the conditions for obtaining reproducible and comparable measurement results of the maximum sound pressure level of airborne sound generated during the passage of powered recreational craft of up to 24 m length of hull, including inboards, stern drives, personal watercraft (PWC) and outboard motors used in conjunction with a standard craft.

Annex A specifies the procedure to be followed if, in addition to the maximum sound pressure level, the determination of the sound exposure level is desired.

NOTE For craft other than those specified above, ISO 2922 is applicable for sound emission measurements.

The accuracy grade of the acoustical test procedures specified in this International Standard is engineering grade (grade 2) as defined in ISO 12001. See also clause 6. ARD PREVIEW

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#### 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 8665, Small craft — Marine propulsion engines and systems — Power measurements and declarations.

ISO 10087, Small craft — Hull identification — Coding system.

ISO 12001, Acoustics — Noise emitted by machinery and equipment — Rules for the drafting and presentation of a noise test code.

IEC 61672-1, Electroacoustics — Sound level meters — Part 1: Specifications. 1)

IEC 60942, Electroacoustics — Sound calibrators.

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<sup>1)</sup> To be published. (Revision of IEC 60651 and IEC 60804)