



**SLOVENSKI STANDARD**  
**SIST EN ISO 13297:2001**  
**01-junij-2001**

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**Mala plovila - Električni sistemi - Inštalacije za izmenični tok (ISO 13297:2000)**

Small craft - Electrical systems - Alternating current installations (ISO 13297:2000)

Kleine Wasserfahrzeuge - Elektrische Systeme - Wechselstrom (AC)-Anlagen (ISO 13297:2000)

Petits navires - Systemes électriques - Installations de distribution de courant alternatif (ISO 13297:2000)

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**Ta slovenski standard je istoveten z: EN ISO 13297:2000**

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**ICS:**

47.020.60	Električna oprema ladij in konstrukcij na morju	Electrical equipment of ships and of marine structures
47.080	Čolni	Small craft

**SIST EN ISO 13297:2001**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 13297**

December 2000

ICS 04.008

English version

**Small craft - Electrical systems - Alternating current installations  
(ISO 13297:2000)**

Petits navires - Systèmes électriques - Installations de  
distribution de courant alternatif (ISO 13297:2000)

Kleine Wasserfahrzeuge - Elektrische Systeme -  
Wechselstrom (AC)-Anlagen (ISO 13297:2000)

This European Standard was approved by CEN on 1 December 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.

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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

## Foreword

The text of the International Standard ISO 13297:2000 has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with 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 June 2001, and conflicting national standards shall be withdrawn at the latest by June 2001.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZB, which is an integral part of this standard.

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.

Attention is drawn to the possibility that some of the elements of this European Standard may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

Annexes A and B form a normative part of this European Standard. Annexes C and D are for information only.

## Endorsement notice

The text of the International Standard ISO 13297:2000 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 corresponding 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 (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 8846	1990	Small craft - Electrical devices - Protection against ignition of surrounding flammable gases	EN 28846	1993
ISO 10240	1995	Small craft - Owner's manual	EN ISO 10240	1996

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**Annex ZB (informative)****Clauses of this European Standard addressing essential requirements or other provisions of EU Directives**

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of EU Directive 94/25/EC.

**WARNING:** Other requirements and other EU Directive may be applicable to the product(s) falling within the scope of this standard.

The following clauses of this standard, as detailed in table ZB.1, are likely to support requirements of Directive 94/25/EC.

Compliance with the clauses of this standard provides one means of conforming with the specific essential requirements of the Directive concerned and associated EFTA regulations.

**Table ZB.1: Correspondence between this European Standard and EU Directives**

<b>Clauses/sub-clauses of this European Standard</b>	<b>Corresponding annexes/ paragraphs of Directive 94/25/EC</b>	<b>Comments</b>
4, 5, 6, 7, 8, 9, 10, 11, 12	5.3 of Annex I Electrical system	
12.1	5.2.2 (a) of Annex I Ignition protection	
7.1, 7.4	5.6.1 of Annex I Fire protection	

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# INTERNATIONAL STANDARD

**ISO**  
**13297**

Second edition  
2000-12-01

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## **Small craft — Electrical systems — Alternating current installations**

*Petits navires — Systèmes électriques — Installations de distribution de  
courant alternatif*

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Reference number  
ISO 13297:2000(E)

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## ISO 13297:2000(E)

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SIST EN ISO 13297:2001

**ISO 13297:2000(E)****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 13297 was prepared by Technical Committee ISO/TC 188, *Small craft*.

This second edition cancels and replaces the first edition (ISO 13297:1995), of which it constitutes a technical revision.

Annex A and B form a normative part of this International Standard. Annexes C and D are for information only.

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## Introduction

Annex A specifies conductor requirements. Annex B specifies instructions to be included with the owner's manual (ISO 10240). Annex C provides information on recommended system tests to be performed upon completion of the a.c. installation.

Compliance with this International Standard will not, by itself, provide protection against explosion, fire and electrical shock hazard. The manufacturer also needs to comply with additional standards related to protection against the same possible hazards. These additional standards are listed in annex D, with a brief description of their contents. For complete understanding of the requirements, the manufacturer needs to refer to the actual standard. Compliance with all these International Standards will ensure a high level of safety in all craft, particularly in those using petrol or liquefied petroleum (LPG).

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