

SLOVENSKI PREDSTANDARD

oSIST prEN ISO 14121-1:2006

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**Varnost strojev – Ocena tveganja – 1. del: Načela (ISO/DIS 14121-1:2005)
(istoveten prEN ISO 14121-1:2005)**

Safety of machinery - Risk assessment - Part 1: Principles (ISO/DIS 14121-1:2005)

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ICS 13.110

Referenčna številka
oSIST prEN ISO 14121-1:2006(en)

September 2005

ICS

Will supersede EN 1050:1996

English Version

Safety of machinery - Risk assessment - Part 1: Principles (ISO/DIS 14121-1:2005)

Sécurité des machines - Appréciation du risque - Partie 1:
Principes (ISO/DIS 14121-1:2005)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 114.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

Foreword

This document (prEN ISO 14121-1:2005) has been prepared by Technical Committee ISO/TC 199 "Safety of machinery" in collaboration with Technical Committee CEN/TC 114 "Safety of machinery", the secretariat of which is held by DIN.

This document is currently submitted to the parallel Enquiry.

This document will supersede EN 1050:1996.

This document 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 ZA, which is an integral part of this document.

Endorsement notice

The text of ISO 14121-1:2005 has been approved by CEN as prEN ISO 14121-1:2005 without any modifications.

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ANNEX ZA
(informative)

**Relationship between this European Standard and the Essential
Requirements of EU Directive 98/37 EEC**

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 98/37 EEC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard given in Table ZA. confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

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

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DRAFT INTERNATIONAL STANDARD ISO/DIS 14121-1

ISO/TC 199

Secretariat: DIN

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Voting terminates on:
2006-03-01

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Safety of machinery — Risk assessment —

Part 1: Principles

Sécurité des machines — Appréciation du risque —

Partie 1: Principes

(Revision of ISO 14121:1999)

ICS 13.110

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ISO/CEN PARALLEL ENQUIRY

The CEN Secretary-General has advised the ISO Secretary-General that this ISO/DIS covers a subject of interest to European standardization. **In accordance with the ISO-lead mode of collaboration as defined in the Vienna Agreement, consultation on this ISO/DIS has the same effect for CEN members as would a CEN enquiry on a draft European Standard.** Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month FDIS vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

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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 14121-1 was prepared by Technical Committee ISO/TC 199, *Safety of machinery* and by Technical Committee CEN/TC 114, *Safety of machinery* in collaboration.

This second edition is foreseen to cancel and replace ISO 14121:1999 which has been technically revised.

ISO 14121 consists of the following parts, under the general title *Safety of machinery — Risk assessment*:

— *Part 1: Principles*

— *Part 2: Practical guidance and examples of methods* (Technical Report in preparation):

Introduction

The function of this type A standard is to describe principles for a consistent systematic procedure for risk assessment as introduced in ISO 12100-1:2003, Clause 5.

This International Standard gives guidance for decisions during the design of machinery and will assist in the preparation of consistent and appropriate type B and type C standards in order to produce machines that are safe for their intended use in accordance with the methodology in ISO 12100.

The principles and methods given in this International Standard may also be applied to existing machinery.

This International Standard gives in Annex A, in separate tables, examples of hazards, hazardous situations and hazardous events, in order to clarify these concepts and assist the designer in the process of hazard identification.

The practical use of a number of methods for each stage of risk assessment is described in a Technical Report related to this International Standard. ISO/TR 14121-2 also provides practical guidance on risk reduction (in accordance with ISO 12100) for machinery, giving some guidance on the selection of appropriate protective measures to achieve adequate risk reduction.

It is recommended that this International Standard is incorporated in training courses and manuals to give basic instruction on design methods.

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