

Safety of machinery — Rules for the drafting and presentation of safety standards

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National foreword

This British Standard has been prepared under the direction of the Machinery and Components Standards Policy Committee and is the English language version of EN 414:1992 “Safety of machinery — Rules for the drafting and presentation of safety standards”, published by the European Committee for Standardization. It is one of a series implementing European Standards on machinery safety matters, in the development of which the United Kingdom has played an active part.

The European Standards referred to in the text and not included in national annex NB will be adopted as British Standards as they are published.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 16, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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English version

Safety of machinery — Rules for the drafting and presentation of safety standards

Sécurité des machines —
Règles pour l'élaboration et la présentation
des normes de sécurité

Sicherheit von Maschinen —
Regeln für die Abfassung und Gestaltung von
Sicherheitsnormen

This European Standard was approved by CEN on 92-02-21. 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.

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CEN

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Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This standard has been prepared by CEN/TC 114/WG 4 “Rules for the drafting and presentation of safety standards” under the direction of CEN Technical Committee 114 “Safety of machinery”. It is one of a series of standards requested by CEN/BT in the programme mandated from the European Commission in support of the “Machinery Directive” (89/392/EEC).

This standard is a type A standard (see 3.1) and is intended for use by technical committees writing type B and type C standards (see 3.2 and 3.3).

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0 Introduction

CEN/CENELEC have embarked on a programme of work to produce a series of related machinery safety standards as part of the European process for harmonization. It has been necessary to propose rules for the preparation, drafting and presentation of these safety standards to supplement the PNE rules which set out general principles and requirements for all European standards. This standard both makes use of and refers to the principles and concepts established in EN 292. In addition, ISO/IEC Guide 51 has been taken into account as far as possible at the time of drafting. It is intended to revise EN 414 at an early date to take account of subsequent standards and legislation.

1 Scope

This standard specifies requirements for the drafting and presentation of European machinery safety standards, primarily to achieve consistency of the various standards to be prepared.

It also gives requirements on the criteria for the selection of new work items and for procedures to allow standards to be prepared and produced in an efficient and effective way.

This standard gives requirements which are supplementary to the PNE rules when this is necessary because of the special requirements of machinery safety standards. It does not duplicate the text of the PNE rules when these are unchanged.

This standard applies primarily to the drafting of type C standards (see 3.3). It may also apply to type B standards (see 3.2) but the foreseeable variation in the format of these standards prevents general application. When requirements specifically apply to type B standards, this is indicated.

The PNE rules and EN 292 have to be used in conjunction with the present standard when preparing a new safety standard, or when revising an existing safety standard.

2 Normative references

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.

EN 292-1:1991, *Safety of machinery — Basic concepts — General principles for design — Part 1: Basic terminology, methodology.*

EN 292-2:1991, *Safety of machinery — Basic concepts — General principles for design — Part 2: Technical principles and specifications.*

ENV.....¹⁾, *Safety of machinery — Terminology.*

EN.....²⁾, *Safety of machinery — Risk assessment.*

EN.....³⁾, *Safety symbols — Optical and acoustical signals — Colours.*

CEN/CENELEC Internal Regulations Part 3: Rules for the drafting and presentation of European standards (PNE rules) (July 1990).

3 Definitions

For the purposes of this standard, the definitions given in ENV..... “Safety of machinery — Terminology” apply.

Safety standards are classified into three main types defined as follows:

3.1

type A standards

(fundamental safety standards) giving basic concepts, principles for design, and general aspects that can be applied to all machinery

3.2

type B standards

(group safety standards) dealing with one safety aspect or one type of safety related device that can be used across a wide range of machinery:

- type B1 standards on particular safety aspects (e.g. safety distances, surface temperature, noise),
- type B2 standards on safety related devices (e.g. two-hand controls, interlocking devices, pressure sensitive devices, guards).

¹⁾ Draft standard prepared by CEN/TC 114/WG 3.

²⁾ Draft standard prepared by CEN/TC 114/WG 14: see EN 292-1 clause 6 in the meantime.

³⁾ Draft standard prepared by CLC/TC 44X-CEN/TC 114/JWG 4.