AENOR Asociación Española de Normalización y Certificación

Génova, 6
28004 MADRID España

Centralita 914 326 000
Fax 913 104 596

www.aenor.es

RATIFICACIÓN DE DOCUMENTOS EUROPEOS SEPTIEMBRE 2012

HOJA DE ANUNCIO

En cumplimiento del punto 11.2.6.4 de las Reglas Internas de CEN/CENELEC Parte 2, se ha otorgado el rango de norma española al Documento Europeo siguiente:

Documento Europeo	Título	Fecha de Disponibilidad
EN ISO 7010:2012	Símbolos gráficos. Colores y señales de seguridad. Señales de seguridad registradas *(ISO 7010:2011) (*Ratificada por AENOR en septiembre de 2012.*)*	2012-07-25

Este anuncio causará efecto a partir del primer día del mes siguiente al de su publicación en la revista UNE. La correspondiente versión oficial de este documento se encuentra disponible en la sede de AENOR, Calle Génova 6, 28004 MADRID.

_____

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 7010

July 2012

ICS 01.080.20; 01.080.10

English Version

Graphical symbols - Safety colours and safety signs - Registered safety signs (ISO 7010:2011)

Symboles graphiques - Couleurs de sécurité et signaux de sécurité - Signaux de sécurité enregistrés (ISO 7010:2011)

Graphische Symbole - Sicherheitsfarben und Sicherheitszeichen - Registrierte Sicherheitszeichen (ISO 7010:2011)

This European Standard was approved by CEN on 23 June 2012.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN ISO 7010:2012: E

Contents

Page

Foreword

The text of ISO 7010:2011 has been prepared by Technical Committee ISO/TC 145 “Graphical symbols” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 7010:2012.

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 January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 7010:2011 has been approved by CEN as a EN ISO 7010:2012 without any modification.

Contents

Page

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 7010 was prepared by Technical Committee ISO/TC 145, *Graphical symbols*, Subcommittee SC 2, *Safety identification, signs, shapes, symbols and colours*.

This second edition cancels and replaces the first edition (ISO 7010:2003), as well as ISO 6309:1987. It also incorporates the Amendments

ISO 7010:2003/Amd. 1:2006,

ISO 7010:2003/Amd. 2:2007,

ISO 7010:2003/Amd. 3:2007,

ISO 7010:2003/Amd. 4:2009,

ISO 7010:2003/Amd. 5:2010,

ISO 7010:2003/Amd. 6:2010,

ISO 7010:2003/Amd. 7:2010, and

ISO 7010:2003/Amd. 8:2011.

Introduction

There is a need to standardize a system of giving safety information that relies as little as possible on the use of words to achieve understanding.

Continued growth in international trade, travel and mobility of labour requires a common method of communicating safety information.

Lack of standardization may lead to confusion and the risk of accidents.

The use of standardized safety signs does not replace proper work methods, instructions and accident prevention training or measures. Education is an essential part of any system that provides safety information.

The safety signs are intended for use only where there is a risk to people. They may appear in safety signage in workplaces and public areas, safety manuals and notices, product labelling and escape and evacuation plans, as appropriate.

This International Standard is intended to be used by all Technical Committees within ISO charged with developing specific safety signing for their industry, to ensure that there is only one safety sign for each safety meaning. It is also intended that this International Standard be revised regularly to include safety signs as they are standardized by ISO, and which conform to the design principles given in ISO 3864.

The safety signs in this International Standard have been validated by ISO/TC 145/SC 2 according to procedures of standardization current at the time of publication.

NOTE 1 Some countries' statutory regulations may differ in some respects from those given in this International Standard.

NOTE 2 Information on procedures, criteria of acceptability, safety sign templates and application of safety signs are given on the website: http://www.iso.org/tc145/sc2.

Graphical symbols — Safety colours and safety signs — Registered safety signs

IMPORTANT — The colours represented in the electronic file of this International Standard can be neither viewed on screen nor printed as true representations. Although the copies of this International Standard printed by ISO have been produced to correspond (with an acceptable tolerance as judged by the naked eye) to the requirements of ISO 3864-4, it is not intended that these printed copies be used for colour matching. Instead consult ISO 3864-4 which provides colorimetric and photometric properties together with, as a guideline, references from colour order systems.

1 Scope

This International Standard prescribes safety signs for the purposes of accident prevention, fire protection, health hazard information and emergency evacuation.

The shape and colour of each safety sign are according to ISO 3864-1 and the design of the graphical symbols is according to ISO 3864-3.

This International Standard is applicable to all locations where safety issues related to people need to be addressed. However, it is not applicable to the signalling used for guiding rail, road, river, maritime and air traffic and, in general, to those sectors subject to a regulation which may differ with regard to certain points of this International Standard and of the ISO 3864 series.

This International Standard specifies the safety sign originals that may be scaled for reproduction and application purposes.

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 3864-1 *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

ISO 3864-3, *Graphical symbols — Safety colours and safety signs — Part 3: Design principles for graphical symbols for use in safety signs*

ISO 3864-4, *Graphical symbols — Safety colours and safety signs — Part 4: Colorimetric and photometric properties of safety sign materials*

ISO 17724, *Graphical symbols — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17724 and the following apply.

3.1
image content
written description of the elements of a graphical symbol or safety sign and their relative disposition

3.2
referent
idea or object that a graphical symbol is intended to represent

3.3
safety sign
sign giving a general safety message, obtained by a combination of a colour and geometric shape and which, by the addition of a graphical symbol, gives a particular safety message

3.4
safety sign original
safety sign with which a referent, a graphical representation and a description of the application are associated

3.5
supplementary sign
sign that is supportive of another sign and the main purpose of which is to provide additional clarification

4 Referents and categorization of safety signs

4.1 General

The summaries in 4.2 and 4.3 are provided to facilitate the search for registered safety signs.

This International Standard will be maintained electronically through the use of a database. The indexes of this database will be used in these summaries as search engines with each registered safety sign having a unique reference number[1)].

1) The registered safety signs can be found at http://cdb.iso.org.

4.2 Referent (safety meaning)

Table 1 gives the list of referents in alphabetical order and provides the safety sign functional reference number.

Table 1 — Summary of referents in alphabetical order

Referent (safety meaning)	Functional reference number
Automated external heart defibrillator	E010
Automatic start-up, warning	W018
Battery charging, warning	W026
Biological hazard, warning	W009
Break to obtain access	E008
Connect an earth terminal to the ground	M005
Corrosive substance, warning	W023
Counterrotating rollers, warning	W025
Crushing, warning	W019
Crushing of hands, warning	W024
Disconnect before carrying out maintenance or repair	M021
Disconnect mains plug from electrical outlet	M006
Doctor	E009
Do not alter the state of the switch	P031
Do not extinguish with water	P011
Do not obstruct	P023
Do not tie knots in rope	P030
Do not touch	P010
Do not use for face grinding	P032
Do not use for wet grinding	P033
Do not use lift in the event of fire	P020
Do not use this device in a bathtub, shower or water-filled reservoir	P026
Do not use this incomplete scaffold	P025
Do not use this lift for people	P027
Do not use with hand-held grinding machine	P034
Do not walk or stand here	P024
Do not wear gloves	P028
Drop (fall), warning	W008
Electricity, warning	W012
Emergency exit (left hand)	E001
Emergency exit (right hand)	E002
Emergency telephone	E004
Emergency window with escape ladder	E016

Table 1 (*continued*)

Referent (safety meaning)	Functional reference number
Evacuation assembly point	E007
Explosive material, warning	W002
Eyewash station	E011
Fire alarm call point	F005
Fire emergency telephone	F006
Fire extinguisher	F001
Firefighting equipment, collection of	F004
Fire hose reel	F002
Fire ladder	F003
First aid	E003
Flammable material, warning	W021
Floor-level obstacle, warning	W007
Forklift trucks and other industrial vehicles, warning	W014
General mandatory action sign	M001
General prohibition sign	P001
General warning sign	W001
Guard dog, warning	W013
Hot surface, warning	W017
Laser beam, warning	W004
Low temperature/freezing conditions, warning	W010
Magnetic field, warning	W006
No access for forklift trucks and other industrial vehicles	P006
No access for people with active implanted cardiac devices	P007
No access for people with metallic implants	P014
No activated mobile phones	P013
No dogs	P021
No eating or drinking	P022
No heavy load	P012
No metallic articles or watches	P008
No open flame; Fire, open ignition source and smoking prohibited	P003
No photography	P029
No pushing	P017
No reaching in	P015
No sitting	P018
No smoking	P002
No stepping on surface	P019
No thoroughfare	P004