INTERNATIONAL STANDARD

ISO 7010

First edition 2003-10-01 **AMENDMENT 5** 2010-05-01

Graphical symbols — Safety colours and safety signs — Safety signs used in workplaces and public areas

AMENDMENT 5

Teh ST Symboles graphiques — Couleurs de sécurité et signaux de sécurité — Signaux de sécurité utilisés sur les lieux de travail et dans les lieux publics

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AMENDEMENT 5

ISO 7010:2003/Amd 5:2010 https://standards.iteh.ai/catalog/standards/sist/307c40f6-262b-4c14-a03e-1e75f343b34d/iso-7010-2003-amd-5-2010



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Published in Switzerland

Foreword

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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.

Amendment 5 to ISO 7010:2003 was prepared by Technical Committee ISO/TC 145, *Graphical symbols*, Subcommittee SC 2, Safety identification, signs, shapes, symbols and colours.

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Graphical symbols — Safety colours and safety signs — Safety signs used in workplaces and public areas

AMENDMENT 5

IMPORTANT — The electronic file of this document contains colours which are considered to be useful for the correct understanding of the document. Users should consider printing this document using a colour printer. ISO 3864-1 provides colorimetric and photometric properties together with, as a guideline, references from colour order systems.

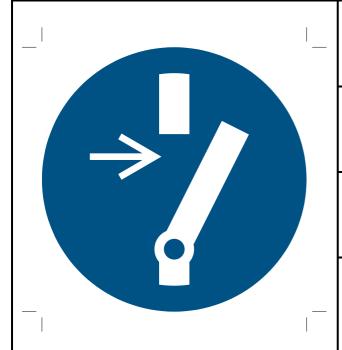
Add the following safety signs:

- M021: Disconnect before carrying out maintenance or repair
- P012: No heavy load
- W023: Warning; Corrosive substance
- W024: Warning; Crushing of hards NDARD PREVIEW
- W027: Warning; Optical radiation tandards.iteh.ai)
- W028: Warning; Oxidizing substance

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Safety sign M021: Disconnect before carrying out maintenance or repair



Reference No.

ISO 7010-M021

Referent

Disconnect before carrying out maintenance or repair

Function

To signify that the machine or the equipment, which is not connected to mains by a plug, has to be disconnected from all sources of power before carrying out maintenance or repair

Image content

Horizontal arrow pointing to the right; one vertical short thick line attached to a circle at the bottom with a longer thick line at an angle to the right attached to the top of the circle; a further thick line in the same plane as the lower one, separated from the line at an angle

Hazard

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Machine or equipment running during maintenance or repair running during maintenance

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Disconnecting the machine or equipment before carrying out maintenance or repair

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Not disconnecting the machine or equipment before carrying out maintenance or repair

Need

People can be injured or killed when carrying out maintenance or repair to machines or equipment which have not been disconnected

Related referents

M006

Field of application

In workplaces, on products

Format of application

Safety signing, safety manuals and notices, product labelling

Context of use

On or near machines or equipment which need to be disconnected before being repaired or maintained

Additional information

Test data obtained according to ISO 9186-1 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Safety sign P012: No heavy load



Reference No.

ISO 7010-P012

Referent

No heavy load

Function

To prohibit the placing of heavy objects on a surface

Image content

Weight resting on the two parts of a line which is broken in the centre so that the two halves are separated and each inclines downward

Hazard

Breakage due to heavy load

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not placing any heavy objects on a surface

Related referents

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ISO 7010-P018, ISO 7010-P019

Additional information

ISO 7010:2003/Amd 5:2010

Test data obtained according to 1SO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

In spite of this, the following needs to be considered:

"Heavy" depends on the context of use and if it needs to be specified, a supplementary sign should be added stating the maximum permissible load, e.g. as follows: max. 100 kg.

Safety sign W023: Warning; Corrosive substance



Reference No.

ISO 7010-W023

Referent

Warning; Corrosive substance

Function

To warn of a corrosive substance

Image content

Human hand with indentation, two test tubes, four droplets, thick line with indentation

Hazard

Corrosive substance

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Human behaviour that is intended to be caused after understanding the safety sign's meaning

Taking care when handling corrosive substances tandards.iteh.ai)

Related referents

ISO 7010:2003/Amd 5:2010

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Additional information 1e75f343b34d/iso-7010-2003-amd-5-2010

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Safety sign W024: Warning; Crushing of hands



Reference No.

ISO 7010-W024

Referent

Warning; Crushing of hands

Function

To warn of a closing motion of mechanical parts of equipment

Image content

Human hand between two horizontal lines, vertical arrow pointing downwards

Hazard

Closing mechanical parts of equipment

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Taking care to avoid injury to hands when in the vicinity of equipment with closing mechanical parts

Related referents

ISO 7010-W019

ISO 7010:2003/Amd 5:2010

https://standards.iteh.ai/catalog/standards/sist/307c40f6-262b-4c14-a03e-Additional information 1e75f3/43b3/44/iso 7010 2002 and 5 2010

1e75f343b34d/iso-7010-2003-amd-5-2010

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.