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

*Symboles graphiques — Couleurs de sécurité et signaux de sécurité —
Signaux de sécurité enregistrés*

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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 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>.

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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 number¹⁾.

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

Table 1 (continued)

Referent (safety meaning)	Functional reference number
Non-ionizing radiation, warning	W005
Not drinking water	P005
Opaque eye protection must be worn	M007
Optical radiation, warning	W027
Overhead load, warning	W015
Overhead obstacle, warning	W020
Oxidizing substance, warning	W028
Pressurized cylinder, warning	W029
Protect infants' eyes with opaque eye protection	M025
Radioactive material or ionizing radiation, warning	W003
Refer to instruction manual/booklet	M002
Rescue window	E017
Safety shower	E012
Sharp element, warning	W022
Slippery surface, warning	W011
Stretcher	E013
Toxic material, warning	W016
Turn anticlockwise to open	E018
Turn clockwise to open	E019
Use barrier cream	M022
Use footbridge	M023
Use handrail	M012
Use protective apron	M026
Use this walkway	M024
Wash your hands	M011
Wear ear protection	M003
Wear eye protection	M004
Wear a face shield	M013
Wear head protection	M014
Wear high-visibility clothing	M015
Wear a mask	M016
Wear protective clothing	M010
Wear protective gloves	M009
Wear respiratory protection	M017
Wear safety belts	M020
Wear safety footwear	M008
Wear a safety harness	M018
Wear a welding mask	M019

4.3 Categorization of safety signs

Safety signs are categorized according to their function as follows:

- E is the category for signs indicating an evacuation route, the location of safety equipment or a safety facility, or a safety action (safe condition signs);
- F is the category for fire equipment signs;
- M is the category for mandatory action signs;
- P is the category for prohibition signs;
- W is the category for warning signs.

Table 2 summarizes the registered safety signs in terms of safety sign category in accordance with ISO 3864-1.

5 Registered safety signs

Tables 3 to 7 give safety sign originals in a uniform 70 mm size with corner marks to enable accurate enlargement and reduction scaling. The sign illustrations are shown without borders in order to allow for consistent reproduction scaling, though a border can be useful to achieve a luminance contrast between the safety sign and its background when mounted or displayed. The safety signs should be reproduced exactly as shown in Tables 3 to 7. However some degree of graphical modification is permitted when cultural differences or special application formats need to be considered, provided the original meaning is retained and comprehension of the safety sign is maintained. Consistent reproduction and use of these safety signs will lead to a progressively improved degree of comprehension at the international level.

In cases where the orientation of the graphical symbol is not essential to the meaning of the safety sign, the graphical symbol may be reproduced in a mirrored form. For prohibition signs, it is essential that the prohibition bar does not obscure significant details of the graphical symbol.

NOTE The graphical symbol is the complete image containing all the graphical symbol elements as shown in the registered safety sign.

Where a registered safety sign is not available to indicate a particular desired meaning, the meaning shall be obtained either by developing a new safety sign following the design principles of ISO 3864-1 and ISO 3864-3 or by using the appropriate general sign (ISO 7010-M001, -P001, -W001), together with supplementary safety information.

Tables 3 to 7 present the safety sign originals according to their category as follows:

- | | | |
|-----|--|-------------|
| — E | Signs indicating an evacuation route, the location of safety equipment or a safety facility, or a safety action (safe condition signs) | see Table 3 |
| — F | Fire equipment signs | see Table 4 |
| — M | Mandatory action signs | see Table 5 |
| — P | Prohibition signs | see Table 6 |
| — W | Warning signs | see Table 7 |

Tables 3 to 7 also give a description of the application of each safety sign.

Table 2 — Summary of all safety signs

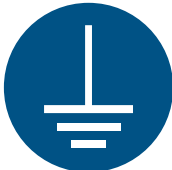
Safety sign, reference number and referent	Category				
	E	F	M	P	W
	Evacuation route, location of safety equipment or safety facility, safety action (safe condition signs)	Fire equipment signs	Mandatory action signs	Prohibition signs	Warning signs
Safety sign					
Reference number	E001	F001	M001	P001	W001
Referent	Emergency exit (left hand)	Fire extinguisher	General mandatory action sign	General prohibition sign	General warning sign
Safety sign					
Reference number	E002	F002	M002	P002	W002
Referent	Emergency exit (right hand)	Fire hose reel	Refer to instruction manual/booklet	No smoking	Warning; Explosive material
Safety sign					
Reference number	E003	F003	M003	P003	W003
Referent	First aid	Fire ladder	Wear ear protection	No open flame; Fire, open ignition source and smoking prohibited	Warning; Radioactive material or ionizing radiation
Safety sign					
Reference number	E004	F004	M004	P004	W004
Referent	Emergency telephone	Collection of firefighting equipment	Wear eye protection	No thoroughfare	Warning; Laser beam
Safety sign	withdrawn				
Reference number	E005	F005	M005	P005	W005
Referent	Direction, arrow (90° increments), safe condition	Fire alarm call point	Connect an earth terminal to the ground	Not drinking water	Warning; Non-ionizing radiation

Table 2 (continued)

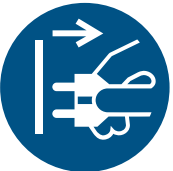
Safety sign, reference number and referent	Category				
	E	F	M	P	W
	Evacuation route, location of safety equipment or safety facility, safety action (safe condition signs)	Fire equipment signs	Mandatory action signs	Prohibition signs	Warning signs
Safety sign	withdrawn				
Reference number	E006	F006	M006	P006	W006
Referent	Direction, 45° arrow (90° increments), safe condition	Fire emergency telephone	Disconnect mains plug from electrical outlet	No access for forklift trucks and other industrial vehicles	Warning; Magnetic field
Safety sign		—			
Reference number	E007	—	M007	P007	W007
Referent	Evacuation assembly point	—	Opaque eye protection must be worn	No access for people with active implanted cardiac devices	Warning; Floor-level obstacle
Safety sign		—			
Reference number	E008	—	M008	P008	W008
Referent	Break to obtain access	—	Wear safety footwear	No metallic articles or watches	Warning; Drop (fall)
Safety sign		—		in the process	
Reference number	E009	—	M009	—	W009
Referent	Doctor	—	Wear protective gloves	—	Warning; Biological hazard
Safety sign		—			
Reference number	E010	—	M010	P010	W010
Referent	Automated external heart defibrillator	—	Wear protective clothing	Do not touch	Warning; Low temperature/ freezing conditions

Table 2 (continued)

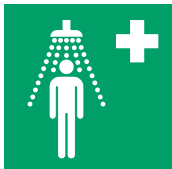
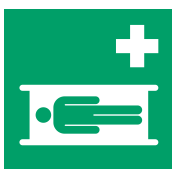
Safety sign, reference number and referent	Category				
	E	F	M	P	W
	Evacuation route, location of safety equipment or safety facility, safety action (safe condition signs)	Fire equipment signs	Mandatory action signs	Prohibition signs	Warning signs
Safety sign		—			
Reference number	E011	—	M011	P011	W011
Referent	Eyewash station	—	Wash your hands	Do not extinguish with water	Warning; Slippery surface
Safety sign		—			
Reference number	E012	—	M012	P012	W012
Referent	Safety shower	—	Use handrail	No heavy load	Warning; Electricity
Safety sign		—			
Reference number	E013	—	M013	P013	W013
Referent	Stretcher	—	Wear a face shield	No activated mobile phones	Warning; Guard dog
Safety sign	in the process	—			
Reference number	—	—	M014	P014	W014
Referent	—	—	Wear head protection	No access for people with metallic implants	Warning; Forklift trucks and other industrial vehicles
Safety sign	in the process	—			
Reference number	—	—	M015	P015	W015
Referent	—	—	Wear high-visibility clothing	No reaching in	Warning; Overhead load

Table 2 (continued)

Safety sign, reference number and referent	Category				
	E	F	M	P	W
	Evacuation route, location of safety equipment or safety facility, safety action (safe condition signs)	Fire equipment signs	Mandatory action signs	Prohibition signs	Warning signs
Safety sign		—		in the process	
Reference number	E016	—	M016	—	W016
Referent	Emergency window with escape ladder	—	Wear a mask	—	Warning; Toxic material
Safety sign		—			
Reference number	E017	—	M017	P017	W017
Referent	Rescue window	—	Wear respiratory protection	No pushing	Warning; Hot surface
Safety sign		—			
Reference number	E018	—	M018	P018	W018
Referent	Turn anticlockwise to open	—	Wear a safety harness	No sitting	Warning; Automatic start-up
Safety sign		—			
Reference number	E019	—	M019	P019	W019
Referent	Turn clockwise to open	—	Wear a welding mask	No stepping on surface	Warning; Crushing
Safety sign	—	—			
Reference number	—	—	M020	P020	W020
Referent	—	—	Wear safety belts	Do not use lift in the event of fire	Warning; Overhead obstacle

Table 2 (continued)

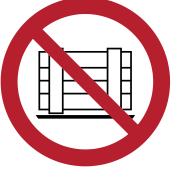
Safety sign, reference number and referent	Category				
	E	F	M	P	W
	Evacuation route, location of safety equipment or safety facility, safety action (safe condition signs)	Fire equipment signs	Mandatory action signs	Prohibition signs	Warning signs
Safety sign	—	—			
Reference number	—	—	M021	P021	W021
Referent	—	—	Disconnect before carrying out main- tenance or repair	No dogs	Warning; Flammable material
Safety sign	—	—			
Reference number	—	—	M022	P022	W022
Referent	—	—	Use barrier cream	No eating or drinking	Warning; Sharp element
Safety sign	—	—			
Reference number	—	—	M023	P023	W023
Referent	—	—	Use footbridge	Do not obstruct	Warning; Corrosive substance
Safety sign	—	—			
Reference number	—	—	M024	P024	W024
Referent	—	—	Use this walkway	Do not walk or stand here	Warning; Crushing of hands
Safety sign	—	—			
Reference number	—	—	M025	P025	W025
Referent	—	—	Protect infants' eyes with opaque eye protection	Do not use this incomplete scaffold	Warning; Counterrotating rollers

Table 2 (continued)

Safety sign, reference number and referent	Category				
	E	F	M	P	W
	Evacuation route, location of safety equipment or safety facility, safety action (safe condition signs)	Fire equipment signs	Mandatory action signs	Prohibition signs	Warning signs
Safety sign	—	—			
Reference number	—	—	M026	P026	W026
Referent	—	—	Use protective apron	Do not use this device in a bathtub, shower, or water- filled reservoir	Warning; Battery charging
Safety sign	—	—	—		
Reference number	—	—	—	P027	W027
Referent	—	—	—	Do not use this lift for people	Warning; Optical radiation
Safety sign	—	—	—		
Reference number	—	—	—	P028	W028
Referent	—	—	—	Do not wear gloves	Warning; Oxidizing substance
Safety sign	—	—	—		
Reference number	—	—	—	P029	W029
Referent	—	—	—	No photography	Warning; pressurized cylinder
Safety sign	—	—	—		—
Reference number	—	—	—	P030	—
Referent	—	—	—	Do not tie knots in rope	—

Table 2 (continued)

Safety sign, reference number and referent	Category				
	E	F	M	P	W
	Evacuation route, location of safety equipment or safety facility, safety action (safe condition signs)	Fire equipment signs	Mandatory action signs	Prohibition signs	Warning signs
Safety sign	—	—	—		—
Reference number	—	—	—	P031	—
Referent	—	—	—	Do not alter the state of the switch	—
Safety sign	—	—	—		—
Reference number	—	—	—	P032	—
Referent	—	—	—	Do not use for face grinding	—
Safety sign	—	—	—		—
Reference number	—	—	—	P033	—
Referent	—	—	—	Do not use for wet grinding	—
Safety sign	—	—	—		—
Reference number	—	—	—	P034	—
Referent	—	—	—	Do not use with hand-held grinding machine	—

Table 3 — Description and application of referent for signs indicating an evacuation route, the location of safety equipment or a safety facility, or a safety action (safe condition signs) (category E)

	Reference No. ISO 7010-E001
	Referent Emergency exit (left hand)
	Function To indicate an escape route to a place of safety
	Image content Human figure moving (to the left) through doorway
Hazard Not being able to locate an escape route to a place of safety which is provided for evacuation in the event of an emergency Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an escape route to a place of safety in the event of an emergency Related referents ISO 7010-E002, ISO 7010-E016, ISO 7010-E017 Additional information Test data obtained according to ISO 9186-1:2007 are not available. However, this safety sign has been the subject of extensive research in Japan and the design selected has received the best comprehension results. A supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Supplementary arrow sign (type D of ISO 3864-3) in white on green to be used to give directional information (direction examples, the arrows may be rotated in increments of 45°):  	

Table 3 (continued)

	Reference No. ISO 7010-E002
	Referent Emergency exit (right hand)
	Function To indicate an escape route to a place of safety
	Image content Human figure moving (to the right) through doorway
Hazard Not being able to locate an escape route to a place of safety which is provided for evacuation in the event of an emergency Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an escape route to a place of safety in the event of an emergency Related referents ISO 7010-E001, ISO 7010-E016, ISO 7010-E017 Additional information Test data obtained according to ISO 9186-1:2007 are not available. However, this safety sign has been the subject of extensive research in Japan and the design selected has received the best comprehension results. A supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Supplementary arrow sign (type D of ISO 3864-3) in white on green to be used to give directional information (direction examples, the arrows may be rotated in increments of 45°):  	

Table 3 (continued)

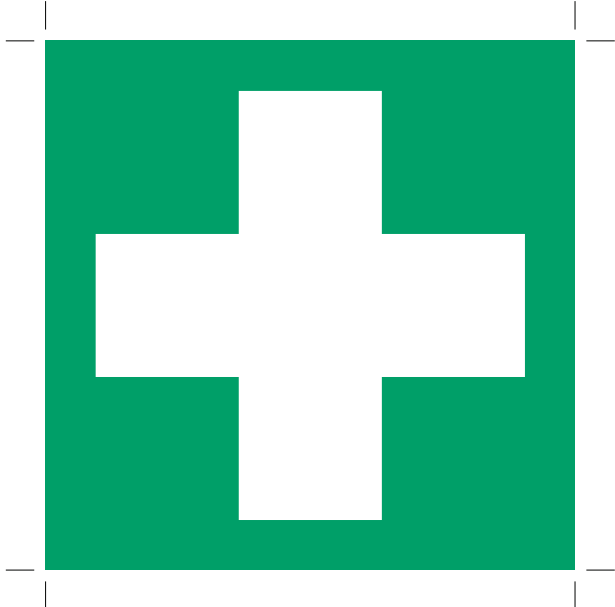
	Reference No. ISO 7010-E003
	Referent First aid
	Function To indicate the location of first aid equipment or facilities or staff
	Image content First aid cross
Hazard Not being able to locate first aid equipment or facilities or staff in the event of injury or emergency Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of first aid equipment or facilities or staff Related referents ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013 Additional information This safety sign should be used for first aid equipment or facilities or staff for which/whom there is no registered safety sign. The first aid cross may be replaced with another element appropriate to cultural requirements. 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.	

Table 3 (continued)

	Reference No. ISO 7010-E004
	Referent Emergency telephone
	Function To indicate the location of an emergency telephone
	Image content Telephone receiver (profile), first aid cross
Hazard Not being able to locate a telephone which is provided for use in the event of an emergency Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an emergency telephone Related referents ISO 7010-E003, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013, ISO 7010-F006 Additional information The first aid cross may be replaced with another element appropriate to cultural requirements. 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.	

Table 3 (continued)

withdrawn	Reference No. ISO 7010-E005
	Referent Direction, arrow (90° increments), safe condition
	Function
	Image content
Hazard Human behaviour that is intended to be caused after understanding the safety sign's meaning Related referents Additional information This sign has been withdrawn as a registered safety sign, since it is to be used as a supplementary sign only.	

Table 3 (continued)

withdrawn	Reference No. ISO 7010-E006
	Referent Direction, 45° arrow (90° increments), safe condition
	Function
	Image content
Hazard Human behaviour that is intended to be caused after understanding the safety sign's meaning Related referents Additional information This sign has been withdrawn as a registered safety sign, since it is to be used as a supplementary sign only.	

Table 3 (continued)

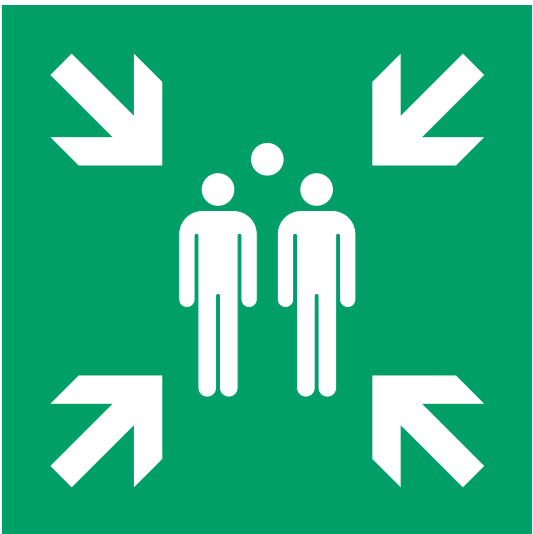
	Reference No. ISO 7010-E007
	Referent Evacuation assembly point
	Function To indicate the location of a safe assembly point following evacuation
	Image content Two human figures and a head of a third figure in a group, four arrows coming from the corners pointing to them
Hazard Not being able to locate a safe assembly point following evacuation	
Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the evacuation assembly point which is provided to enable people to be accounted for following the evacuation of a building or premises	
Related referents —	
Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 3 (continued)

	Reference No. ISO 7010-E008
	Referent Break to obtain access
	Function To indicate a cover which requires breaking to obtain access to an emergency exit device
	Image content Human fist and lower arm (outlined) holding a bar, uneven star shape
Hazard Not being able to open an emergency exit device Human behaviour that is intended to be caused after understanding the safety sign's meaning Breaking the cover to gain access to the device that operates an emergency exit in the event of an emergency Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 3 (continued)

	Reference No. ISO 7010-E009
	Referent Doctor
	Function To indicate the location of a doctor for emergencies
	Image content Upper human figure with stethoscope, first aid cross
Hazard Not being able to locate an emergency doctor Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an emergency doctor Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013 Additional information The first aid cross may be replaced with another element appropriate to cultural requirements. 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.	

Table 3 (continued)

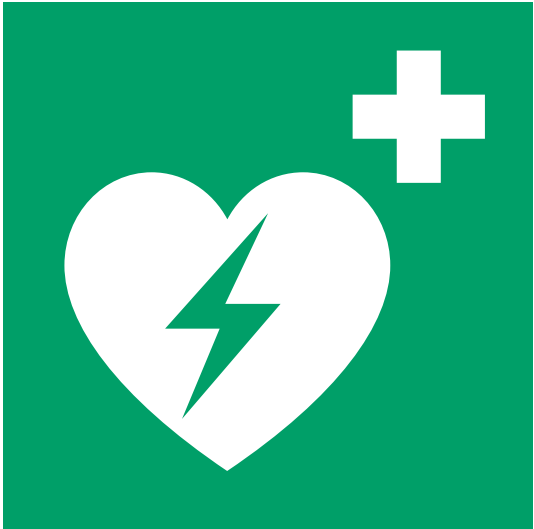
	Reference No. ISO 7010-E010
	Referent Automated external heart defibrillator
	Function To indicate the location of an automated external heart defibrillator
	Image content Heart with lightning bolt in the middle, first aid cross
Hazard Not being able to locate an automated external heart defibrillator Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an automated external heart defibrillator Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013 Additional information The first aid cross may be replaced with another element appropriate to cultural requirements of the target group. Test data obtained according to ISO 9186-1:2007 are available from more than one country. Findings from testing showed that the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 3 (continued)

	Reference No. ISO 7010-E011
	Referent Eyewash station
	Function To indicate the location of an eyewash station
	Image content Eye above running water coming out of a shower head, first aid cross
Hazard Not being able to locate an eyewash station	
Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an eyewash station	
Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E012, ISO 7010-E013	
Additional information The first aid cross may be replaced with another element appropriate to cultural requirements of the target group. 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.	

Table 3 (continued)

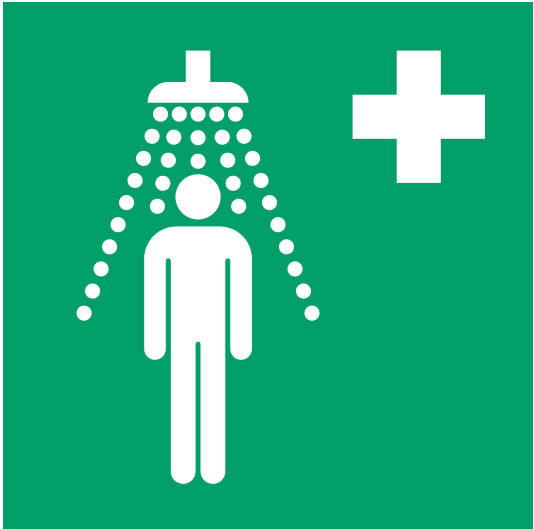
	Reference No. ISO 7010-E012
	Referent Safety shower
	Function To indicate the location of a safety shower
	Image content Human figure under running water coming out of a shower head, first aid cross
Hazard Not being able to locate a safety shower Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a safety shower Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E013 Additional information The first aid cross may be replaced with another element appropriate to cultural requirements of the target group. 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.	

Table 3 (continued)

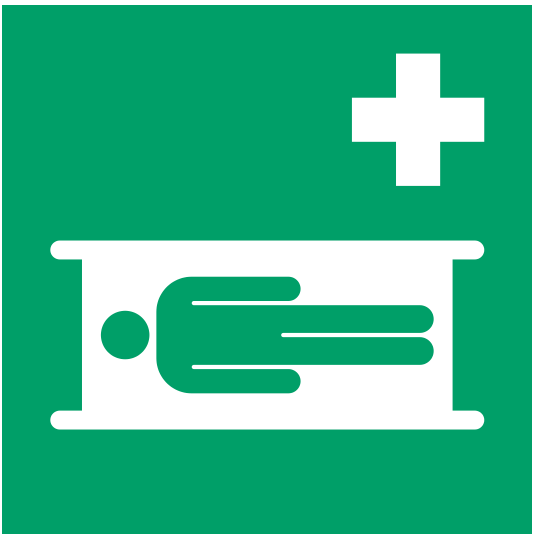
	Reference No. ISO 7010-E013
	Referent Stretcher
	Function To indicate the location of a stretcher
	Image content Human figure on a stretcher, first aid cross
Hazard Not being able to locate a stretcher	
Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a stretcher	
Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012	
Additional information The first aid cross may be replaced with another element appropriate to cultural requirements of the target group. 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.	

Table 3 (continued)

	Reference No.
	ISO 7010-E016
	Referent
	Emergency window with escape ladder
	Function
	To indicate the location of an emergency window for escape with a permanently fixed escape ladder
	Image content
	Human figure, window and a ladder on the left
Hazard Not being able to locate an emergency window for escape in the event of an emergency Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an emergency window in the event of an emergency Related referents ISO 7010-E001, ISO 7010-E002, ISO 7010-E017 Additional information 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.	

Table 3 (continued)

	Reference No. ISO 7010-E017
	Referent Rescue window
	Function To indicate the location of a rescue window where people can be rescued by a ladder by intervention forces
	Image content Human figure, window, firefighting vehicle with ladder
Hazard Not being able to locate a rescue window to be rescued by intervention forces in the event of an emergency evacuation Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a rescue window Related referents ISO 7010-E001, ISO 7010-E002, ISO 7010-E016 Additional information This safety sign has to be placed inside the building. 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.	

Table 3 (continued)

	Reference No. ISO 7010-E018
	Referent Turn anticlockwise to open
	Function To signify that the doorknob of a security door on an escape route must be turned in an anticlockwise direction in order for the opening device to operate
	Image content Doorknob with semicircular anticlockwise arrow
Hazard Being unable to open a door on an escape route which has a security lock and an emergency opening device, in the event of an emergency	
Human behaviour that is intended to be caused after understanding the safety sign's meaning Turning the doorknob in an anticlockwise direction in order to open a door on an escape route which has a security lock, in the event of an emergency	
Related referents ISO 7010-E019	
Additional information This safety sign is intended to be used only on doors with a security locking mechanism. 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.	

Table 3 (continued)

	Reference No. ISO 7010-E019
	Referent Turn clockwise to open
	Function To signify that the doorknob of a security door on an escape route must be turned in a clockwise direction in order for the opening device to operate
	Image content Doorknob with semicircular clockwise arrow
Hazard Being unable to open a door on an escape route which has a security lock and an emergency opening device, in the event of an emergency	
Human behaviour that is intended to be caused after understanding the safety sign's meaning Turning the doorknob in a clockwise direction in order to open a door on an escape route which has a security lock, in the event of an emergency	
Related referents ISO 7010-E018	
Additional information This safety sign is intended to be used only on doors with a security locking mechanism. 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.	

Table 4 — Description and application of referent for fire equipment signs (category F)

	Reference No. ISO 7010-F001
	Referent Fire extinguisher
	Function To indicate the location of a fire extinguisher
	Image content Fire extinguisher (profile) with label, flame determinant
Hazard Not being able to locate a fire extinguisher Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a fire extinguisher Related referents ISO 7010-F002, ISO 7010-F003, ISO 7010-F004, ISO 7010-F005, ISO 7010-F006 Additional information 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.	

Table 4 (continued)

	Reference No. ISO 7010-F002
	Referent Fire hose reel
	Function To indicate the location of a fire hose reel
	Image content Seven vertical lines, one with a trapezoid underneath, circle with cross and line attached to vertical bar, flame determinant
Hazard Not being able to locate a fire hose reel Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a fire hose reel Related referents ISO 7010-F001, ISO 7010-F003, ISO 7010-F004, ISO 7010-F005, ISO 7010-F006 Additional information 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.	

Table 4 (continued)

	Reference No. ISO 7010-F003
	Referent Fire ladder
	Function To indicate the location of a ladder that is to be used exclusively for firefighting
	Image content Two converging vertical lines, six horizontal lines joining the vertical lines, flame determinant
Hazard Not being able to locate a fire ladder Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a fire ladder and recognizing that the use of this ladder is dedicated to firefighting only Related referents ISO 7010-F001, ISO 7010-F002, ISO 7010-F004, ISO 7010-F005, ISO 7010-F006 Additional information 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.	

Table 4 (continued)

	Reference No. ISO 7010-F004
	Referent Collection of firefighting equipment
	Function To indicate the location of firefighting equipment
	Image content Fire helmet (profile), flame determinant
Hazard Not being able to locate firefighting equipment Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of firefighting equipment Related referents ISO 7010-F001, ISO 7010-F002, ISO 7010-F003, ISO 7010-F005, ISO 7010-F006 Additional information This safety sign should be used for firefighting equipment for which there is no registered safety sign. The fire helmet may be replaced with another fire helmet appropriate to cultural requirements. 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.	

Table 4 (continued)

	Reference No. ISO 7010-F005
	Referent Fire alarm call point
	Function To indicate the location of a fire alarm call point
	Image content Hand (plan view) with one finger extended, dot in square (outlined) broken at bottom, flame determinant
Hazard Not being able to locate a fire alarm call point Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a fire alarm call point Related referents ISO 7010-F001, ISO 7010-F002, ISO 7010-F003, ISO 7010-F004, ISO 7010-F006 Additional information 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.	

Table 4 (continued)

	Reference No. ISO 7010-F006
	Referent Fire emergency telephone
	Function To indicate the location of a fire emergency telephone
	Image content Telephone receiver (profile), flame determinant
Hazard Not being able to locate a fire emergency telephone Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a fire emergency telephone Related referents ISO 7010-E004, ISO 7010-F001, ISO 7010-F002, ISO 7010-F003, ISO 7010-F004, ISO 7010-F005 Additional information 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.	

Table 5 — Description and application of referent for mandatory action signs (category M)

	Reference No. ISO 7010-M001
	Referent General mandatory action sign
	Function To signify a mandatory action
	Image content Exclamation mark
Hazard Risk to people not following the mandatory action specified by the supplementary sign Human behaviour that is intended to be caused after understanding the safety sign's meaning Carrying out the mandatory action specified by the supplementary sign Related referents ISO 7010-P001, ISO 7010-W001 Additional information This safety sign cannot be used on its own and requires a supplementary sign to give further information about the action to be taken.	

Table 5 (continued)

	Reference No. ISO 7010-M002
	Referent Refer to instruction manual/booklet
	Function To signify that the instruction manual/booklet must be read
	Image content Upper human figure (right-hand profile) holding an open manual/booklet
Hazard Not reading the instruction manual/booklet before starting work or before operating equipment or machinery Human behaviour that is intended to be caused after understanding the safety sign's meaning Reading the instruction manual/booklet before starting work or before operating equipment or machinery Related referents — Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M003
	Referent Wear ear protection
	Function To signify that ear protection must be worn
	Image content Human head (front view) wearing ear protection
Hazard Noise Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing ear protection Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 5 (continued)

	Reference No. ISO 7010-M004
	Referent Wear eye protection
	Function To signify that eye protection must be used
	Image content Human head (front view) wearing eye protection
Hazard Flying objects/particles Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing eye protection Related referents ISO 7010-M007, ISO 7010-M013 Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 5 (continued)

	Reference No. ISO 7010-M005
	Referent Connect an earth terminal to the ground
	Function To signify that an earth terminal must be connected
	Image content Vertical line joining horizontal line with two progressively shorter parallel horizontal lines underneath
Hazard Electric shock, explosion, fire Human behaviour that is intended to be caused after understanding the safety sign's meaning Connecting an earth terminal of a product to the ground Related referents ISO 7010-W012 Additional information This safety sign relates to products employing a class I insulating system which requires protective earthing. 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.	

Table 5 (continued)

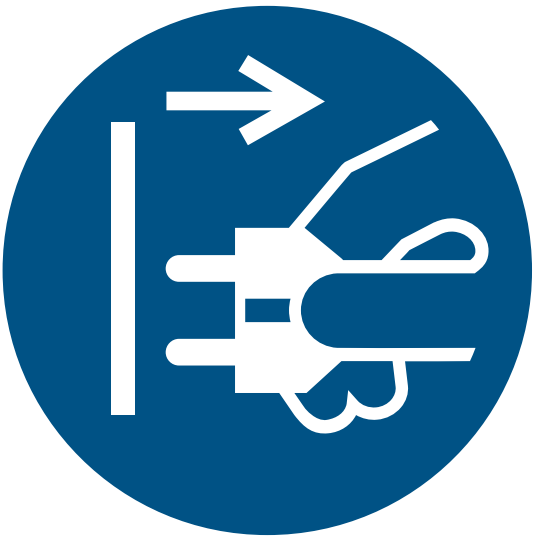
	Reference No. ISO 7010-M006
	Referent Disconnect mains plug from electrical outlet
	Function To signify that the mains plug must be disconnected from electrical outlet for the purposes of maintenance of electrical equipment, in the case of malfunction or when left unattended
	Image content Two fingers and thumb (outlined) holding a two-pin electrical plug, arrow pointing right, vertical line
Hazard Electric shock, fire Human behaviour that is intended to be caused after understanding the safety sign's meaning Disconnecting the mains plug for the purposes of maintenance, in the case of malfunction or when left unattended Related referents ISO 7010-M021, ISO 7010-W012 Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M007
	Referent Opaque eye protection must be worn
	Function To signify that opaque eye protection must be worn
	Image content Human head (front view) wearing opaque eye protection
Hazard Visible or invisible rays Human behaviour that is intended to be caused after understanding the safety sign's meaning Ensuring that the people undergoing treatment by visible or invisible rays are wearing opaque eye protection Related referents ISO 7010-M004, ISO 7010-M025 Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M008
	Referent Wear safety footwear
	Function To signify that safety footwear must be worn
	Image content Two safety boots, one shown in front, the other shown behind (outlined)
Hazard Feet striking or being struck by objects or being in contact with thermal or chemical materials	
Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing safety footwear	
Related referents —	
Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 5 (continued)

	Reference No. ISO 7010-M009
	Referent Wear protective gloves
	Function To signify that protective gloves must be worn
	Image content Two protective gloves, one shown in front, the other shown behind (outlined)
Hazard Hands striking or being struck by objects or being in contact with thermal or chemical materials Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing protective gloves Related referents ISO 7010-M022 Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 5 (continued)

	Reference No. ISO 7010-M010
	Referent Wear protective clothing
	Function To signify that protective clothing must be worn
	Image content Overall (front view)
Hazard Chemicals, heat or cold Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing protective clothing Related referents ISO 7010-M026 Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M011
	Referent Wash your hands
	Function To signify that hands must be washed
	Image content Two hands, one shown in front, the other shown behind (outlined), three lines of four dots, tap
Hazard Infection or contamination Human behaviour that is intended to be caused after understanding the safety sign's meaning Washing hands before starting work task and after finishing work task Related referents ISO 7010-M022 Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M012
	Referent Use handrail
	Function To signify that the handrail must be used
	Image content Upper human figure with left arm touching diagonal line
Hazard Falling, slipping or tripping Human behaviour that is intended to be caused after understanding the safety sign's meaning Holding the handrail when using stairs, escalators or moving walkways Related referents — Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M013
	Referent Wear a face shield
	Function To signify that a face shield must be worn
	Image content Human head (left-hand profile) wearing a face shield
Hazard Flying objects/particles Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing a face shield Related referents ISO 7010-M004, ISO 7010-M016, ISO 7010-M019 Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 5 (continued)

	Reference No. ISO 7010-M014
	Referent Wear head protection
	Function To signify that head protection must be worn
	Image content Human head (left-hand profile) wearing head protection
Hazard Objects falling on head or head striking objects Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing head protection Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 5 (continued)

	Reference No. ISO 7010-M015
	Referent Wear high-visibility clothing
	Function To signify that high-visibility clothing must be worn
	Image content Sleeveless jacket (front view) with two vertical and two horizontal lines
Hazard Moving vehicles or equipment Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing high-visibility clothing Related referents — Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M016
	Referent Wear a mask
	Function To signify that a face mask must be worn
	Image content Human head (left-hand profile) wearing a mask
Hazard Particulates in the air Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing a face mask Related referents ISO 7010-M013, ISO 7010-M017 Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 5 (continued)

	Reference No. ISO 7010-M017
	Referent Wear respiratory protection
	Function To signify that respiratory protection must be worn
	Image content Human head (front view) wearing respiratory protection
Hazard Harmful substances (e.g. noxious gases) Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing respiratory protection Related referents ISO 7010-M016 Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 5 (continued)

	Reference No. ISO 7010-M018
	Referent Wear a safety harness
	Function To signify that a safety harness must be worn
	Image content Human figure wearing a safety harness
Hazard Falling from a height Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing a safety harness Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 5 (continued)

	Reference No. ISO 7010-M019
	Referent Wear a welding mask
	Function To signify that a welding mask must be worn
	Image content Human head (left-hand profile) wearing a welding mask
Hazard Hot flying particles, intense light and UV radiation from welding activity Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing a welding mask Related referents ISO 7010-M013 Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 5 (continued)

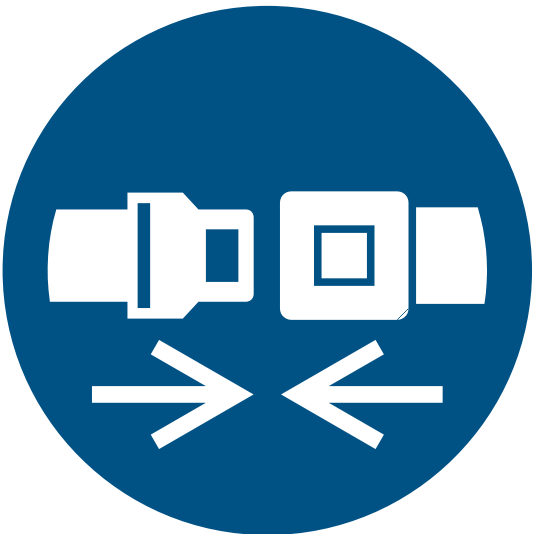
	Reference No. ISO 7010-M020
	Referent Wear safety belts
	Function To signify that safety belts must be used
	Image content End of belts with a buckle and two arrows pointing to each other
Hazard Being projected from the seat of a vehicle or equipment Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing safety belts Related referents — Additional information 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.	

Table 5 (continued)

	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 Machine or equipment running during maintenance or repair	
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	
Related referents ISO 7010-M006, ISO 7010-P031	
Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M022
	Referent Use barrier cream
	Function To signify that the skin has to be protected with an appropriate barrier cream
	Image content Human hand, tube, wavy line
Hazard Damage to the skin Human behaviour that is intended to be caused after understanding the safety sign's meaning Protecting the skin with barrier cream before starting work or putting on gloves Related referents ISO 7010-M009 Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M023
	Referent Use footbridge
	Function To signify that a footbridge must be used
	Image content Human figure walking on a footbridge
Hazard Moving vehicles, obstructions, or tripping or falling Human behaviour that is intended to be caused after understanding the safety sign's meaning Using the footbridge to avoid dangerous areas Related referents — Additional information 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.	

Table 5 (continued)

	Reference No.
	ISO 7010-M024
	Referent
	Use this walkway
	Function
	To signify that pedestrians must use a designated walkway
	Image content
	Human figure walking (left hand)
Hazard Areas unsafe for pedestrians Human behaviour that is intended to be caused after understanding the safety sign's meaning Pedestrians using the designated walkway Related referents ISO 7010-P004 Additional information Test data obtained according to ISO 9186-1:2007 are available from more than one country. Findings from testing showed that the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 5 (continued)

	Reference No. ISO 7010-M025
	Referent Protect infants' eyes with opaque eye protection
	Function To signify that opaque eye protection must be worn by infants
	Image content Infant wearing opaque eye protection
Hazard Intense light incident on infant's eyes Human behaviour that is intended to be caused after understanding the safety sign's meaning Ensuring that the infant's eyes are protected before switching the equipment on or before placing the infant into the radiated area Related referents ISO 7010-M007 Additional information 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.	

Table 5 (continued)

	Reference No. ISO 7010-M026
	Referent Use protective apron
	Function To signify that the front of the body must be protected by an apron
	Image content Human figure with an apron
Hazard Front of body striking or being struck by objects or coming into contact with substances or materials Human behaviour that is intended to be caused after understanding the safety sign's meaning Protecting the front of the body Related referents ISO 7010-M010 Additional information 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.	

Table 6 — Description and application of referent for prohibition signs (category P)

	Reference No. ISO 7010-P001
	Referent General prohibition sign
	Function To signify a prohibited action
	Image content None
Hazard Risk to people specified by the supplementary sign Human behaviour that is intended to be caused after understanding the safety sign's meaning Not doing an action specified by the supplementary sign Related referents ISO 7010-M001, ISO 7010-W001 Additional information This safety sign cannot be used on its own and requires a supplementary sign to give further information about the action which is prohibited.	

Table 6 (continued)

	Reference No. ISO 7010-P002
	Referent No smoking
	Function To prohibit smoking
	Image content Cigarette (profile, outlined) with two wavy lines
Hazard Fire or explosion caused by lit cigarettes or other smoking materials or harm from the smoke Human behaviour that is intended to be caused after understanding the safety sign's meaning Not smoking Related referents ISO 7010-P003 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P003
	Referent No open flame; Fire, open ignition source and smoking prohibited
	Function To prohibit smoking and all forms of open flame
	Image content Match (profile, outlined), flame
Hazard Fire or explosion caused by an open flame, open ignition source or smoking Human behaviour that is intended to be caused after understanding the safety sign's meaning Not having an open flame or open ignition source and not smoking Related referents ISO 7010-P002, ISO 7010-W021 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P004
	Referent No thoroughfare
	Function To prohibit the use of a thoroughfare by pedestrians
	Image content Human figure walking (left hand)
Hazard Collision with vehicles or machinery Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using the thoroughfare Related referents ISO 7010-M024 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P005
	Referent Not drinking water
	Function To prohibit drinking of unsuitable water
	Image content Tap above glass, two wavy lines
Hazard Water unsuitable for drinking Human behaviour that is intended to be caused after understanding the safety sign's meaning Not drinking the water Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P006
	Referent No access for forklift trucks and other industrial vehicles
	Function To prohibit the use of forklift trucks and other industrial vehicles
	Image content Forklift truck (left-hand profile) with human figure
Hazard Moving forklift trucks and other industrial vehicles Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using forklift trucks and other industrial vehicles Related referents ISO 7010-W014 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P007
	Referent No access for people with active implanted cardiac devices
	Function To prohibit people with active implanted cardiac devices from entering a designated area
	Image content Heart shape and representation of pulse generator connected by curved line
Hazard Interference to the operation of or damage to active implanted cardiac devices from equipment generating strong electromagnetic fields Human behaviour that is intended to be caused after understanding the safety sign's meaning People with active implanted cardiac devices not entering a designated area Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P008
	Referent No metallic articles or watches
	Function To prohibit metallic articles or watches
	Image content Face and part of strap of an analogue wristwatch, flat side of a key
Hazard Strong magnetic fields Human behaviour that is intended to be caused after understanding the safety sign's meaning Removing or not wearing metallic articles or watches Related referents — Additional information 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.	

Table 6 (continued)

	Reference No.
	ISO 7010-P010
	Referent
	Do not touch
	Function
	To prohibit touching objects/parts of an object
	Image content
	Hand, horizontal line underneath
Hazard Dangerous surfaces Human behaviour that is intended to be caused after understanding the safety sign's meaning Not touching objects or parts of an object Related referents ISO 7010-P015 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P011
	Referent Do not extinguish with water
	Function To prohibit using water to extinguish a fire
	Image content Bucket, area outlined by wavy line, flame
Hazard Dangerous reaction from the application of water to a burning substance Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using water to extinguish a fire Related referents ISO 7010-W021 Additional information 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.	

Table 6 (continued)

	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 — Additional information 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. 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.	

Table 6 (continued)

	Reference No. ISO 7010-P013
	Referent No activated mobile phone
	Function To prohibit activated mobile phones
	Image content Mobile phone (front view), six curved lines
Hazard Electromagnetic field Human behaviour that is intended to be caused after understanding the safety sign's meaning Turning the mobile phone off or not switching it on Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P014
	Referent No access for people with metallic implants
	Function To prohibit access of people with metallic implants
	Image content Hip joint and socket (outlined) joined by a black hip implant
Hazard Invisible rays causing a rise in temperature of a metallic implant Human behaviour that is intended to be caused after understanding the safety sign's meaning People with metallic implants not entering a designated area Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P015
	Referent No reaching in
	Function To prohibit people putting hands into openings
	Image content Hand between two converging lines
Hazard Injury to hands Human behaviour that is intended to be caused after understanding the safety sign's meaning Not putting hands into designated openings Related referents ISO 7010-P010 Additional information 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.	

Table 6 (continued)

	Reference No.
	ISO 7010-P017
	Referent
	No pushing
	Function
	To prohibit pushing against an object
	Image content
	Horizontal line and vertical block with human figure pushing against it
Hazard Objects overbalancing and falling Human behaviour that is intended to be caused after understanding the safety sign's meaning Not pushing an object Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P018
	Referent No sitting
	Function To prohibit sitting on a surface
	Image content Human figure in sitting position, horizontal line
Hazard Surface unsuitable to sit on Human behaviour that is intended to be caused after understanding the safety sign's meaning Not sitting on an unsuitable surface Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P019
	Referent No stepping on surface
	Function To prohibit stepping onto a surface
	Image content Human figure stepping up, line with right angle
Hazard Surface unsuitable for stepping onto Human behaviour that is intended to be caused after understanding the safety sign's meaning Not stepping onto an unsuitable surface Related referents ISO 7010-P024 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P020
	Referent Do not use lift in the event of fire
	Function To prohibit use of lift in the event of fire
	Image content Outline of lift with two human figures standing inside and flames at the right-hand side of the lift
Hazard Being trapped in a lift during a fire Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using lift in the event of fire Related referents ISO 7010-P027 Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 6 (continued)

	Reference No.
	ISO 7010-P021
	Referent
	No dogs
	Function
	To prohibit taking dogs into designated areas
	Image content
	Dog (right-hand profile)
Hazard Infections due to dogs; harming of people caused by dog bites Human behaviour that is intended to be caused after understanding the safety sign's meaning Not taking dogs into a designated area Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 6 (continued)

	Reference No. ISO 7010-P022
	Referent No eating or drinking
	Function To prohibit eating and drinking
	Image content Three horizontal lines alongside a cup with straw
Hazard Ingestion of dangerous substances by food and drink contaminated at a designated area Human behaviour that is intended to be caused after understanding the safety sign's meaning Not eating or drinking in the designated area Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 6 (continued)

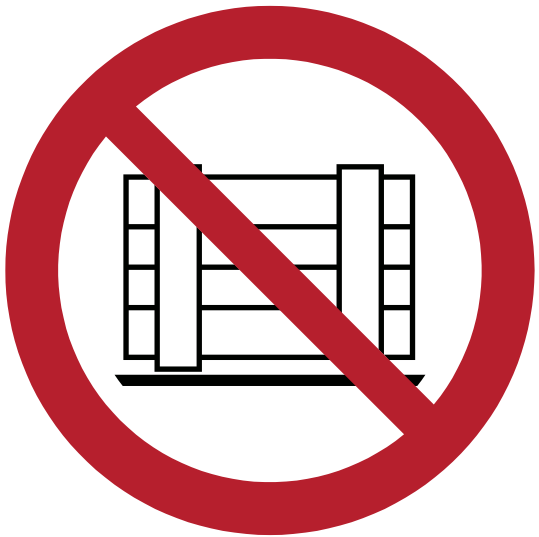
	Reference No. ISO 7010-P023
	Referent Do not obstruct
	Function To prohibit the obstruction of a designated clear area
	Image content Crate, horizontal line underneath
Hazard Obstruction in a designated clear area Human behaviour that is intended to be caused after understanding the safety sign's meaning Not placing an obstruction in a designated clear area (e.g. escape routes, emergency exits, passageways) Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P024
	Referent Do not walk or stand here
	Function To prohibit walking or standing on a designated area
	Image content Two footprints
Hazard Areas which are unsafe for people to walk or stand on Human behaviour that is intended to be caused after understanding the safety sign's meaning Keeping off a designated area Related referents ISO 7010-P019 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P025
	Referent Do not use this incomplete scaffold
	Function To prohibit the use of scaffolding systems which are not complete
	Image content Human figure (right-hand profile) walking on a broken horizontal bar surrounded by vertical and horizontal lines
Hazard Incomplete scaffold Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using an incomplete scaffold Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are available from more than one country. Findings from testing showed that the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	

Table 6 (continued)

	Reference No. ISO 7010-P026
	Referent Do not use this device in a bathtub, shower or water-filled reservoir
	Function To prohibit the use of unsuitable electrical equipment in or near water
	Image content Shower and bathtub
Hazard Electric shock Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using electrically powered equipment in bathtubs, showers or water-filled reservoirs Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P027
	Referent Do not use this lift for people
	Function To prohibit the use of the lift for the transportation of people
	Image content Human figure (front view) in a rectangle, short arrows above and underneath the rectangle
Hazard Goods or freight lifts without the safety features necessary for the transportation of people Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using the lift for the transportation of people Related referents ISO 7010-P020 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P028
	Referent Do not wear gloves
	Function To prohibit the use of gloves when operating a machine with drawing-in hazard
	Image content Two gloves, one outlined, one filled
Hazard Drawing-in hazard to people wearing gloves while operating a machine Human behaviour that is intended to be caused after understanding the safety sign's meaning Operating a machine with drawing-in hazard without wearing gloves Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P029
	Referent No photography
	Function To prohibit the taking of photographs
	Image content Camera
Hazard Distraction of drivers, operatives and people working, particularly in dark environments Human behaviour that is intended to be caused after understanding the safety sign's meaning Not taking photographs Related referents — Additional information Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.	

Table 6 (continued)

	Reference No. ISO 7010-P030
	Referent Do not tie knots in rope
	Function To prohibit tying knots in a climbing rope
	Image content Climbing rope with a knot
Hazard Knots in a climbing rope Human behaviour that is intended to be caused after understanding the safety sign's meaning Not tying any knots in a climbing rope Related referents — Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P031
	Referent Do not alter the state of the switch
	Function To prohibit any change of the current energetic or mechanical state of a machine or equipment
	Image content Switch and two arrows
Hazard Change of the current energetic or mechanical state of a machine or equipment Human behaviour that is intended to be caused after understanding the safety sign's meaning Not switching Related referents ISO 7010-M021 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P032
	Referent Do not use for face grinding
	Function To prohibit the use of the grinding disc for face grinding
	Image content Horizontal line with two thicknesses and an angled step; grinding machine at an angle to the line
Hazard Breakage of grinding disc due to overstressing leading to flying objects Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using the grinding disc for face grinding Related referents ISO 7010-P033, ISO 7010-P034 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P033
	Referent Do not use for wet grinding
	Function To prohibit the use of the grinding disc for wet grinding
	Image content Horizontal line, two circles with random infilling of dots and outer circle touching line, tap with water drops
Hazard Breakage of grinding disc due to overstressing leading to flying objects Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using the grinding disc for wet grinding Related referents ISO 7010-P032, ISO 7010-P034 Additional information 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.	

Table 6 (continued)

	Reference No. ISO 7010-P034
	Referent Do not use with hand-held grinding machine
	Function To prohibit the use of the grinding disc with a hand-held grinding machine
	Image content Hand holding a grinding machine
Hazard Breakage of grinding disc due to overstressing leading to flying objects Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using the grinding disc with a hand-held grinding machine Related referents ISO 7010-P032, ISO 7010-P033 Additional information 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.	

Table 7 — Description and application of referent for warning signs (category W)

	Reference No. ISO 7010-W001
	Referent General warning sign
	Function To signify a general warning
	Image content Exclamation mark
Hazard Risk to people specified by the supplementary sign Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care regarding the hazard specified by the supplementary sign Related referents ISO 7010-M001, ISO 7010-P001 Additional information This safety sign cannot be used on its own and requires a supplementary sign to give further information about the hazard.	

Table 7 (continued)

	Reference No. ISO 7010-W002
	Referent Warning; Explosive material
	Function To warn of explosive materials
	Image content Part of filled circle with radiating triangular lines and irregular shapes
Hazard Explosion Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care when in the vicinity of or handling explosive materials Related referents — Additional information 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.	

Table 7 (continued)

	Reference No. ISO 7010-W003
	Referent Warning; Radioactive material or ionizing radiation
	Function To warn of radioactive materials or ionizing radiation
	Image content Circle with three circular sectors around it
Hazard Radioactivity and ionizing radiation Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid exposure to radioactive material or ionizing radiation Related referents ISO 7010-W005, ISO 7010-W027 Additional information 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.	

Table 7 (continued)

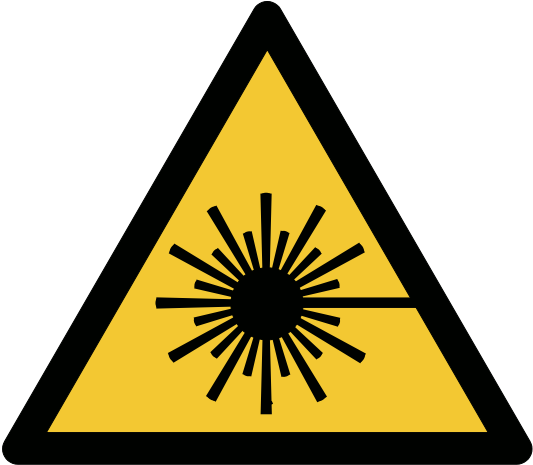
	Reference No. ISO 7010-W004
	Referent Warning; Laser beam
	Function To warn of a laser beam
	Image content Circle with 24 regular equally spaced radiating lines, 12 shorter of equal length, 11 longer of equal length and one longer reaching horizontally the right-hand side of the triangle
Hazard Laser beam Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid exposure to a laser beam Related referents ISO 7010-W027 Additional information 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.	

Table 7 (continued)

	Reference No. ISO 7010-W005
	Referent Warning; Non-ionizing radiation
	Function To warn of non-ionizing radiation
	Image content Circle with three arc-shaped lines of increasing length on each side symmetrically located, with a trapezoid underneath
Hazard Non-ionizing radiation Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid exposure to non-ionizing radiation Related referents ISO 7010-W003, ISO 7010-W027 Additional information 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.	