# INTERNATIONAL **STANDARD**

ISO 7010

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

**AMENDMENT 4** 

Symboles graphiques Couleurs de sécurité et signaux de sécurité — Signaux de sécurité utilisés sur les lieux de travail et dans les lieux Circk to view the STANDARDS ISO. COM. Circk to View the STANDARDS ISO. publics



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Amendment 4 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 4**

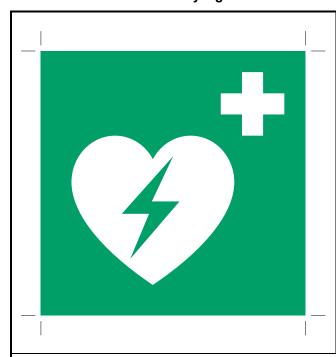
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Add the following safety signs:

- E010: Automated external heart defibrillator
- E011: Eyewash station
- E012: Safety shower
- E013: Stretcher
- M012: Use handrail
- M013: Wear face shield
- M014: Wear head protection
- M015: Wear high visibility clothing
- M016: Wear a mask
- M017: Wear respiratory protection
- M018: Wear safety harness
- M019: Wear welding mask
- M020: Wear safety belts
- M022 Use barrier cream
- M023: Use footbridge
- P020: Do not use lift in the event of fire
- P021: No dogs
- P022: No eating or drinking
- P023: Do not obstruct
- P024: Do not walk or stand here
- W022: Warning; Sharp elements

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## Safety sign E010: Automated external heart defibrillator



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 flash in the middle first aid cross

#### Hazard

Not being able to locate the automated external heart defibrillator which is provided to assist in the avoidance of death from a heart attack

### 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 at the time of need

# Human behaviour that is intended to be prevented

Not being aware of the location of an automated external heart defibrillator at the time of need

## Need

The use of an automated external heart defibrillator can reduce the risk of death from a heart attack.

# Related referents

E003

# Field of application

In workplaces, in public areas, on products

# Format of application

Safety signing, safety manuals and notices, product labelling

#### Context of use

In public facilities such as airports, railway stations and shopping areas and in workplaces where automated external heart defibrillators have been installed

#### 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 are available from more than one country. Findings from testing showed that the graphical symbol 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.

### Safety sign E011: Eyewash station



#### 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 the eyewash station which is provided to assist in the clearance of eye contamination from substances which can lead to eye damage and loss of sight, if not cleared sufficiently quickly

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

Being aware of the location of an eyewash station sufficiently quickly at the time of need

# Human behaviour that is intended to be prevented

Not being aware of the location of an eyewash station sufficiently quickly at the time of need

# Need

The use of an eyewash can reduce the risk of damage to eyes and loss of sight following contamination from substances.

# Related referents

E003, E012

#### Field of application

In workplaces

# Format of application

Safety signing, safety manuals and notices

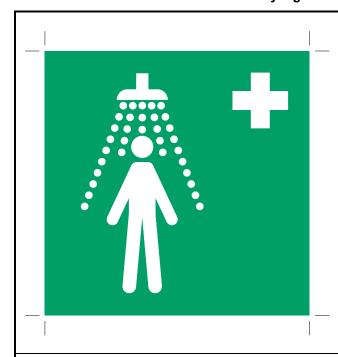
# Context of use

In areas where eye contamination can take place and eyewash stations are provided

#### Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements of the target group.

## Safety sign E012: Safety shower



#### 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 the safety shower which is provided to assist in the clearance of contamination from substances which can lead to death, injury or illness, if not cleared sufficiently quickly

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

Being aware of the location of a safety shower sufficiently quickly at the time of need

# Human behaviour that is intended to be prevented

Not being aware of the location of a safety shower sufficiently quickly at the time of need

## Need

The use of a safety shower can reduce the risk of death, injury and illness following contamination from substances.

## Related referents

E003, E011

# Field of application

In workplaces

# Format of application

Safety signing, safety manuals and notices

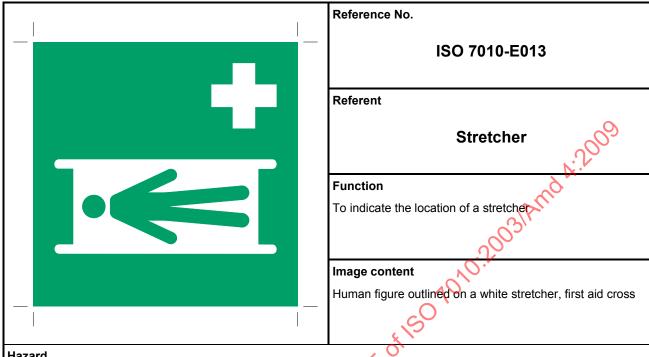
# Context of use

In areas where contamination of people from substances can take place and safety showers are provided

# Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements of the target group.

### Safety sign E013: Stretcher



#### Hazard

Not being able to locate the stretcher which is provided to assist in the transport of people with injury or illness to a place where medical care will be available

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

Being aware of the location of a stretcher sufficiently quickly at the time of need

# Human behaviour that is intended to be prevented

Not being aware of the location of a stretcher sufficiently quickly at the time of need

## Need

The use of a stretcher to transport people to a place where medical care will be available can reduce the risk of death and the aggravation of injuries or illness.

# Related referents

E003

#### Field of application

In workplaces, in public areas

# Format of application

Safety signing, safety manuals and notices

# Context of use

In areas where stretchers are provided to take people who are injured or ill to receive medical care

#### Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements of the target group.

### Safety sign M012: Use handrail



#### 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

Being unable to prevent a fall from slipping or tripping when using stairs, escalators or moving walkways

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

Holding the handrail

Human behaviour that is intended to be prevented

Not holding the handrail

#### Need

People can slip or trip when using stairs, escalators and moving walkways and having a hand on a handrail can help prevent falling leading to injury.

#### Related referents

# Field of application

In workplaces, in public areas, on products

# Format of application

Safety signing, safety manuals and notices, product labelling

# Context of use

Near stairs, escalators and moving walkways

# Additional information

# Safety sign M013: Wear face shield



Reference No.

ISO 7010-M013

Referent

Wear 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 face shield

Human behaviour that is intended to be prevented

Not wearing face shield

Need

People can be injured in the face by flying objects or particles.

Related referents

M004, M007, M016, M019

Field of application

In workplaces

Format of application

Safety signing, safety manuals and notices

Context of use

In areas of construction and other industrial activity

Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that the graphical symbol 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.

## Safety sign M014: Wear head protection



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

Human behaviour that is intended to be prevented

Not wearing head protection

Need

People can receive injuries to the head by falling objects or by striking objects.

Related referents

Field of application

In workplaces

Format of application

Safety signing, safety manuals and notices

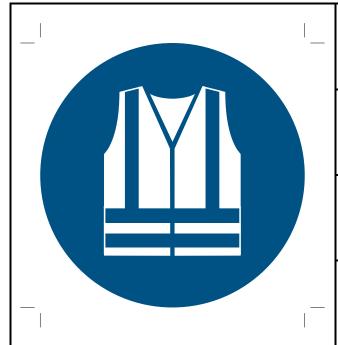
Context of use

In areas of construction, demolition and industrial activity where there is a possibility of falling objects or head striking objects

# Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that in one country the graphical symbol exceeded the criteria of acceptability. Consequently, 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.

# Safety sign M015: Wear high visibility clothing



#### Reference No.

# ISO 7010-M015

#### Referent

# Wear high visibility clothing

#### **Function**

To signify that high visibility clothing must be worn

#### Image content

Front view of a sleeveless jacket with two vertical and two horizontal line

#### Hazard

Being hit by moving vehicles or equipment

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

Wearing high visibility clothing

Human behaviour that is intended to be prevented

Not wearing high visibility clothing

#### Need

People who cannot be seen are more likely to be injured or killed by moving vehicles and equipment.

#### Related referents

#### Field of application

In workplaces, in public areas

#### Format of application

Safety signing, safety manuals and notices

#### Context of use

In areas of activity where people need to be conspicuous

### Additional information

### Safety sign M016: Wear a mask



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 face mask

Human behaviour that is intended to be prevented

Not wearing face mask

Need

People can be injured from breathing in particulates.

Related referents

M017

Field of application

In workplaces, in public areas, on products

Format of application

Safety signing, safety manuals and notices, product labelling

Context of use

In areas of activity where there may be hazardous particulates in the air

Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that in one country the graphical symbol exceeded the criteria of acceptability. Consequently, 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.

# Safety sign M017: Wear respiratory protection



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

Human behaviour that is intended to be prevented

Not wearing respiratory protection

Need

People can be injured or killed by breathing in harmful substances (e.g. noxious gases)

Related referents

M016

Field of application

In workplaces, on products

Format of application

Safety signing, safety manuals and notices, product labelling

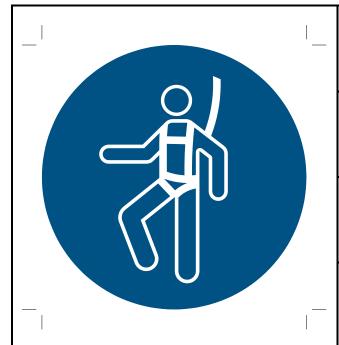
Context of use

In areas where there can be harmful substances in the air (e.g. noxious gases)

### Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that the graphical symbol 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.

# Safety sign M018: Wear safety harness



Reference No.

ISO 7010-M018

Referent

Wear safety harness

**Function** 

To signify that a safety harness must be work

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 safety harness

Human behaviour that is intended to be prevented

Not wearing safety harness

People can be injured or killed if they fall from a height.

Related referents

Field of application

In workplaces

Format of application

Safety signing, safety manuals and notices

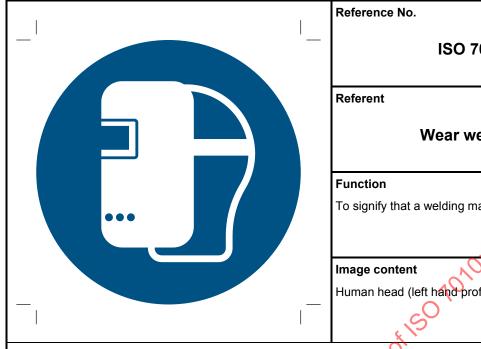
Context of use

In areas where people work at heights in unprotected surroundings

Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that the graphical symbol 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.

# Safety sign M019: Wear welding mask



ISO 7010-M019

Wear welding mask

To signify that a welding mask must be worn

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 welding mask

Human behaviour that is intended to be prevented

Not wearing welding mask

People can be injured in the face by hot flying particles, intense light or UV radiation from welding activity.

#### Related referents

M007, M013

#### Field of application

In workplaces, on products

#### Format of application

Safety signing, safety manuals and notices, product labelling

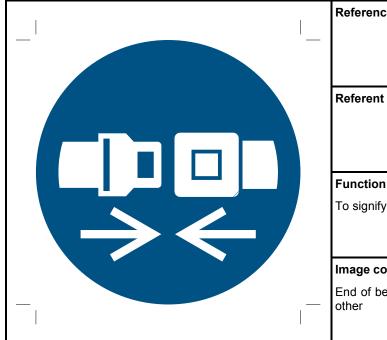
# Context of use

In areas of welding activity

# Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that in one country the graphical symbol exceeded the criteria of acceptability. Consequently, 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.

# Safety sign M020: Wear safety belts



#### Reference No.

#### ISO 7010-M020

# Wear safety belts

To signify that safety belts must be used

# Image content

End of belts with a buckle and two arrows pointing to each

#### Hazard

Not wearing safety belts in vehicles or plant and equipment so provided can lead to injury or death.

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

Wearing safety belts

Human behaviour that is intended to be prevented

Not wearing safety belts

#### Need

The wearing of safety belts, where provided, is needed to help avoid injury or death.

#### Related referents

# Field of application

In workplaces, in public areas

#### Format of application

Safety signing, safety manuals and notices

#### Context of use

In vehicles, in plant and equipment where the wearing of safety belts is required

### Additional information

### Safety sign M022: Use barrier cream



#### 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

# Human behaviour that is intended to be prevented

Not protecting the skin with barrier cream before starting work or putting on gloves

#### Need

The skin can be damaged if barrier cream is not used before starting work or putting on gloves.

#### Related referents

M009

#### Field of application

In workplaces, on products

#### Format of application

Safety signing, safety manuals and notices, product labelling

# Context of use

Where the skin has to be protected with barrier cream

### Additional information

# Safety sign M023: Use footbridge



#### 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

Not using a footbridge can result in injury or death from machinery or vehicles, or from tripping, falling, etc.

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

Using the footbridge

Human behaviour that is intended to be prevented

Not using the footbridge

#### Need

People can be injured when not using a footbridge to cross a dangerous area.

#### Related referents

# Field of application

In workplaces, in public areas

## Format of application

Safety signing, safety manuals and notices

#### Context of use

In areas where footbridges on walking routes are provided to enable people to avoid machinery, vehicles or other obstructions

# Additional information

# Safety sign P020: Do not use lift in the event of fire



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

Human behaviour that is intended to be prevented

Using lift in the event of fire

Need

To prevent the use of lifts by the public as a means of evacuation during a fire in the building

Related referents

Field of application

In workplaces, in public areas

Format of application

Safety signing, safety manuals and notices

Context of use

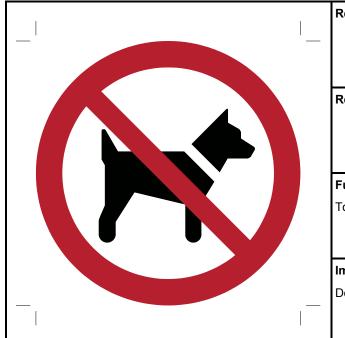
On or near lifts which are not to be used in the event of fire

# Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that the graphical symbol 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.

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## Safety sign P021: No dogs



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 prohibited area

Human behaviour that is intended to be prevented

Taking dogs into a prohibited area

#### Need

To keep dogs away from certain areas (e.g. schools, hospitals, play areas, food preparation areas), since dogs can injure people by biting them or carry infections or dirt into protected areas.

#### Related referents

# Field of application

In workplaces, in public areas

# Format of application

Safety signing, safety manuals and notices

# Context of use

Designated areas where dogs are prohibited for health and safety reasons

# Additional information

Test data obtained according to ISO 9186-1 are not available from more than one country. Findings from national testing, however, showed that the graphical symbol 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.