
**Ships and marine technology — Design,
location and use of shipboard safety
signs, safety-related signs, safety notices
and safety markings —**

**Part 2:
Catalogue**

*Navires et technologie maritime — Conception, emplacement et
utilisation des signaux de sécurité, signaux relatifs à la sécurité, notes
de sécurité et marquages de sécurité à bord des navires —*

Partie 2: Catalogue



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Contents

Page

1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Categorization of shipboard signs	2
5	Standardized shipboard safety sign and fire control plan signs	14

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 8, *Ships and marine technology*, Subcommittee SC 1, *Lifesaving and fire protection*.

ISO 24409 consists of the following parts, under the general title *Ships and marine technology — Design, location and use of shipboard safety signs, safety-related signs, safety notices and safety markings*:

- *Part 1: Design principles*
- *Part 2: Catalogue*
- *Part 3: Code of practice*

Introduction

The growth of international travel by ship has created a need to provide people travelling and working on-board ships with signs and associated systems that communicate consistent and effective safety information. This part of ISO 24409 specifies a system of safety and safety-related signs on ships and other marine installations that is generally consistent with standardized signs with which many will have gained familiarity in other applications.

As such, this part of ISO 24409 clarifies and supplements existing requirements set out in SOLAS regulations II-2/13.3.2.5.1, III/9.2.3, III/11.5, III/20.10, and ISO 17631. However, it is directly applicable to shipboard safety and safety-related signs only, and does not deal with graphical symbols to be used on shipboard plans or documentation.

This part of ISO 24409 contains a catalogue of signs developed in accordance with the general design principles specified in Part 1, for application on ships in accordance with the code of practice in Part 3.

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Ships and marine technology — Design, location and use of shipboard safety signs, safety-related signs, safety notices and safety markings — Part 2: Catalogue

IMPORTANT — The colours represented in the electronic file of this part of ISO 24409 can be neither viewed on screen nor printed as true representations. Although the copies of this part of ISO 24409 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.

For a definitive version of all ISO symbols for use in application of this part of ISO 24409, please consult the ISO Online Browsing Platform (<http://www.iso.org/obp/ui/>).

1 Scope

This part of ISO 24409 prescribes standardized signs and safety notices specifically for use on board ships. Each sign is categorized and indexed according to the safety message that is to be conveyed. Each sign is provided with relevant information on the preferred format of use, the context in which it is used and displayed as well as a description of the intended audience. The shape and colour required to be used for each sign, as prescribed by ISO 3864-4, are given together with the graphical symbols contained within each sign. This part of ISO 24409 specifies the sign originals that may be scaled for reproduction and application purposes. It includes signs which require supplementary text signs to be used in conjunction with them to improve comprehension. This catalogue is intended to be under continual revision as new shipboard signs and notices are added and as new requirements are identified and corresponding safety signs and notices are developed and standardised. Where an ISO 7010 reference number is given in this part of ISO 24409 it means that the sign is identical to the one in ISO 7010.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3864 (all parts), *Graphical symbols — Safety colours and safety signs*

ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

ISO 17631, *Ships and marine technology — Shipboard plans for fire protection, life-saving appliances and means of escape*

ISO 17724, *Graphical symbols — Vocabulary*

ISO 24409-1, *Ships and marine technology — Design, location, and use of shipboard safety signs — Part 1: Design principles*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17724, ISO 24409-1, and the following apply.

3.1

fire control plan signs

signs used to identify and locate equipment shown on the fire control plan

Note 1 to entry: These signs are related to the symbols in ISO 17631; see 4.1 h) below.

3.2

image content

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

3.3

referent

idea or object that a graphical symbol is intended to represent

3.4

safety sign original

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

4 Categorization of shipboard signs

4.1 Shipboard signs are categorized according to their function as follows.

- a) **MES** is the category for means of escape signs which provide escape route identification.
- b) **EES** is the category for emergency equipment signs which provide use and location of first aid facilities and portable safety equipment.
- c) **LSS** is the category for life saving systems and appliances signs which provide use and location of life saving systems and appliances.
- d) **FES** is the category for fire-fighting equipment signs which provide use and location of fire-fighting equipment.
- e) **PSS** is the category for prohibition signs which provide prohibited actions.
- f) **WSS** is the category for hazard warning signs which provide identification of hazards to avoid.
- g) **MSS** is the category for mandatory action signs which provide mandatory notices and instructions.

NOTE The PSS, WSS and MSS categories are the same, respectively, as the P, W and M categories of ISO 7010.

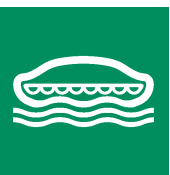
- h) **SIS** is the category for safety and operating instructions for trained personnel. Most of these signs are taken from IMO Resolution A.952(23) for fire control symbols and ISO 17631.

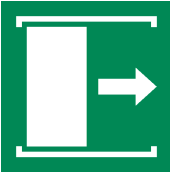
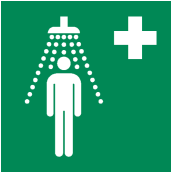
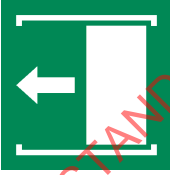
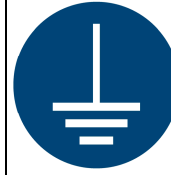
However, the following list shows symbols from A.952(23) that have been replaced by the use of safety signs meeting ISO 3864-1 and are part of the FES category:

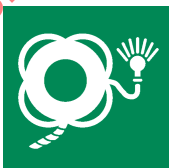
- 1) FES012 remote release station replaces 2.13.
 - 2) FES009 Fixed fire extinguishing installation replaces 2.20.
 - 3) FES005 Fixed fire extinguishing battery replaces 2.21.
 - 4) FES010 Fixed fire extinguishing bottle replaces 2.22.
 - 5) FES013 Fire monitor replaces 2.26.
 - 6) FES002 Fire hose reel replaces 2.27.
 - 7) FES001 Fire extinguisher replaces 2.28.
 - 8) FES006 Wheeled fire extinguisher replaces 2.29.
 - 9) FES007 Portable foam replaces 2.30.
 - 10) FES003 Collection of fire fighting equipment replaces 2.31.
 - 11) FES008 Water fog applicator replaces 2.33.
 - 12) FES011 Push button for general alarm replaces 2.39.
 - 13) FES004 Fire alarm call point replaces 2.40.
- i) SMS is the category for mimic signs. Refer to SOLAS regulation II-2/13.7.2.2, and the cabin instructions referred to in SOLAS regulation III/8.4 and IMO Resolution A.752(18).

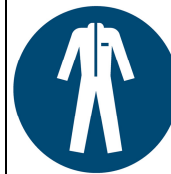
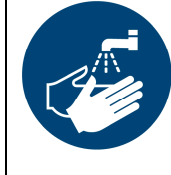
4.2 Table 1 summarizes the standardized safety signs, with the exception of SIS and mimic signs, used in workplaces and public areas in terms of functional category, referent number, referent, graphical symbol as well as geometric shape and colour in accordance with the design principles in ISO 24409-1.

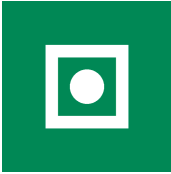
Table 1 — Summary of safety signs for shipboard use

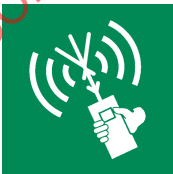
CATEGORY						
MES	EES	LSS	FES	PSS	WSS	MSS
Means of Escape Signs	Emergency Equipment Signs	Lifesaving Signs	Fire-fighting Equipment Signs	Prohibition Signs	Warning Signs	Mandatory Signs
						
MES001 (ISO 7010-E032) Assembly station	EES001 (ISO 7010-E003) First Aid	LSS001 (ISO 7010-E036) Lifeboat	FES001 (ISO 7010-F001) Fire extinguisher	PSS001 (ISO 7010-P001) General prohibition	WSS001 (ISO 7010-W001) General warning	MSS001 (ISO 7010-M001) General Mandatory action
						
MES002 (ISO 7010-E001) Emergency exit (left hand)	EES002 (ISO 7010-E004) Emergency telephone	LSS002 (ISO 7010-E037) Rescue boat	FES002 (ISO 7010-F002) Fire hose reel	PSS002 (ISO 7010-P002) No smoking	WSS002 (ISO 7010-W002) Warning; Explosive material	MSS002 (ISO 7010-M002) Refer to instruction manual or booklet

CATEGORY						
MES	EES	LSS	FES	PSS	WSS	MSS
 MES003 (ISO 7010-E002) Emergency exit (right hand)	 EES003 (ISO 7010-E011) Eye wash station	 LSS003 (ISO 7010-E038) Liferaft	 FES003 (ISO 7010-F004) Collection of fire fighting equipment	 PSS003 (ISO 7010-P003) No open flame; fire, open ignition source and smoking prohibited	 WSS003 (ISO 7010-W003) Warning; Radioactive material or ionizing radiation	 MSS003 (ISO 7010-M003) Wear ear protection
 MES004 (ISO 7010-E033) Door slides right to open	 EES004 (ISO 7010-E012) Emergency shower	 LSS004 (ISO 7010-E039) Davit-launched liferaft	 FES004 (ISO 7010-F005) Fire alarm call point	 PSS004 (ISO 7010-P004) No thoroughfare	 WSS004 (ISO 7010-W004) Warning; Laser beam	 MSS004 (ISO 7010-M004) Wear eye protection
 MES005 (ISO 7010-E034) Door slides left to open	 EES005 (ISO 7010-E013) Stretcher	 LSS005 (ISO 7010-E040) Lifebuoy	 FES005 (ISO 7010-F008) Fixed fire extinguishing battery	 PSS005 (ISO 7010-P005) Not drinking water	 WSS005 (ISO 7010-W005) Warning; Non-ionizing radiation	 MSS005 (ISO 7010-M005) Connect an earth terminal to the ground

CATEGORY						
MES	EES	LSS	FES	PSS	WSS	MSS
 MES 006 (ISO 7010-E018) Turn anti-clockwise to open	 EES006 (ISO 7010-E027) Medical grab bag	 LSS006 (ISO 7010-E041) Lifebuoy with line	 FES006 (ISO 7010-F009) Wheeled fire extinguisher	 PSS006 (ISO 7010-P006) No access for fork lift trucks and other industrial vehicles	 WSS006 (ISO 7010-W006) Warning: Magnetic field	 MSS006 (ISO 7010-M006) Disconnect mains plug from electrical outlet
 MES007 (ISO 7010-E019) Turn clockwise to open	 EES007 (ISO 7010-E028) Oxygen resuscitator	 LSS007 (ISO 7010-E042) Lifebuoy with light	 FES007 (ISO 7010-F010) Portable foam	 PSS007 (ISO 7010-P007) No access for people with active implanted cardiac devices	 WSS007 (ISO 7010-W007) Warning: Floor level obstacle	 MSS007 (ISO 7010-M007) Wear opaque eye protection
 MES008 (ISO 7010-E057) Door opens by pulling on left-hand side	 EES008 (ISO 7010-E029) EEBD	 LSS008 (ISO 7010-E043) Lifebuoy with line & light	 FES008 (ISO 7010-F011) Water fog applicator	 PSS008 (ISO 7010-P008) No metallic articles or watches	 WSS008 (ISO 7010-W008) Warning: Drop (fall)	 MSS008 (ISO 7010-M008) Wear safety footwear

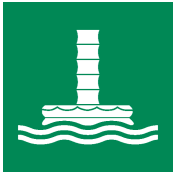
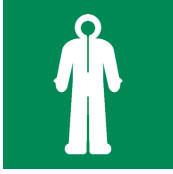
CATEGORY						
MES	EES	LSS	FES	PSS	WSS	MSS
 MES009 (ISO 7010-E058) Door opens by pulling on right-hand side	 EES009 (ISO 7010-E009) Doctor	 LSS Lifebuoy with light and smoke	 FES009 (ISO 7010-F012) Fixed fire extinguishing installation	 PSS009 (ISO 7010-P010) Do not touch	 WSS009 (ISO 7010-W009) Warning; Biological hazard	 MSS009 (ISO 7010-M009) Wear protective gloves
 MES 010 (ISO 7010-E023) Push door on right-hand side to open	 EES010 (ISO 7010-E010) Automated external heart defibrillator	 LSS009 (ISO 7010-E044) Lifejacket	 FES010 (ISO 7010-F013) Fixed fire extinguishing bottle	 PSS010 (ISO 7010-P011) Do not extinguish with water	 WSS010 (ISO 7010-W010) Warning; Low temperature or freezing conditions	 MSS010 (ISO 7010-M010) Wear protective clothing
	 EES011 Safety Equipment	 LSS010 (ISO 7010-E045) Child's lifejacket	 FES011 (ISO 7010-F014) Remote release station	 PSS011 (ISO 7010-P013) No activated mobile phones	 WSS011 (ISO 7010-W011) Warning; Slippery surface	 MSS011 (ISO 7010-M011) Wash your hands

CATEGORY						
MES	EES	LSS	FES	PSS	WSS	MSS
	 EES012 General Alarm	 LSS011 (ISO 7010-E046) Infant's lifejacket	 FES012 (ISO 7010-F015) Fire monitor	 PSS012 (ISO 7010-P014) No access for persons with metallic implants	 WSS012 (ISO 7010-W012) Warning; Electricity	 MSS012 (ISO 7010-M012) Use handrail
	 EES013 Break glass to obtain access	 LSS012 (ISO 7010-E047) Search and rescue locating device		 PSS013 (ISO 7010-P015) No reaching in	 WSS013 (ISO 7010-W013) Warning; Guard dog	 MSS013 (ISO 7010-M013) Wear faceshield
		 LSS013 (ISO 7010-E048) Survival craft distress signals		 PSS014 (ISO 7010-P017) No pushing	 WSS014 (ISO 7010-W014) Warning; Forklift trucks and other industrial vehicles	 MSS014 (ISO 7010-M014) Wear head protection

CATEGORY						
MES	EES	LSS	FES	PSS	WSS	MSS
		 LSS014 (ISO 7010-E049) Rocket parachute flares		 PSS015 (ISO 7010-P018) No sitting	 WSS015 (ISO 7010-W015) Warning; Overhead load	 MSS015 (ISO 7010-M015) Wear high visibility clothing
		 LSS015 (ISO 7010-E050) Line-throwing appliances		 PSS016 (ISO 7010-P019) No stepping on surface	 WSS016 (ISO 7010-W016) Warning; Toxic material	 MSS016 (ISO 7010-M016) Wear a mask
		 LSS016 (ISO 7010-E051) Two-way VHF radiotelephone apparatus		 PSS017 (ISO 7010-P020) Do not use lift in the event of fire	 WSS017 (ISO 7010-W017) Warning; Hot surface	 MSS017 (ISO 7010-M017) Wear respiratory protection

CATEGORY						
MES	EES	LSS	FES	PSS	WSS	MSS
		 LSS017 (ISO 7010-E052) Emergency Indicating Radio Beacon (EPIRB)		 PSS018 (ISO 7010-P021) No dogs	 WSS018 (ISO 7010-W018) Warning; Automatic start-up	 MSS018 (ISO 7010-M018) Wear safety harness

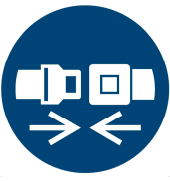
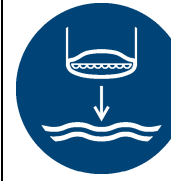
		 LSS018 (ISO 7010-E053) Embarkation ladder or other approved device		 PSS019 (ISO 7010-P022) No eating or drinking	 WSS019 (ISO 7010-W019) Warning; Crushing	 MSS019 (ISO 7010-M019) Wear welding mask
		 LSS019 (ISO 7010-E054) Marine evacuation system (slide)		 PSS020 (ISO 7010-P023) Do not obstruct	 WSS020 (ISO 7010-W020) Warning; Overhead obstacles	 MSS020 (ISO 7010-M022) Use barrier cream

		 LSS020 (ISO 7010-E055) Marine evacuation system (chute)		 PSS021 (ISO 7010-P024) Do not walk or stand here		 MSS021 (ISO 7010-M023) Use footbridge
		 LSS021 (ISO 7010-E056) Survival clothing			 WSS021 (ISO 7010-W021) Warning; Flammable material	
		 LSS022 (ISO 7010-E0xx) Liferaft Knife			 WSS022 (ISO 7010-W022) Warning; Sharp element	

4.3 Table 2 summarizes a subset of MSS signs adapted from IMO Assembly Resolution A.760(18) that may be displayed together to form a sequence of critical mandatory actions to safely launch a lifeboat, rescue boat, or liferaft.

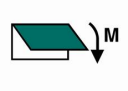
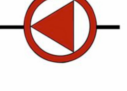
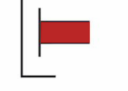
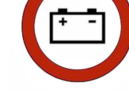
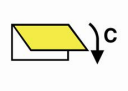
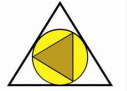
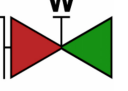
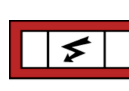
NOTE MSS022 (ISO 7010-M020) replaces the Fasten seat belts sign from Resolution A.760(18).

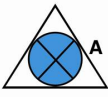
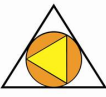
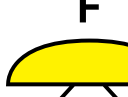
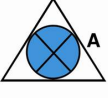
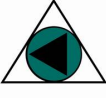
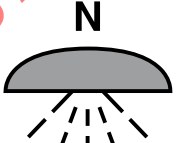
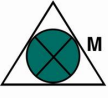
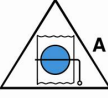
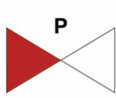
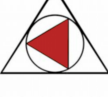
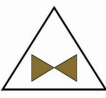
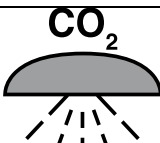
Table 2 — Summary of related-referent mandatory action signs for launching lifesaving equipment

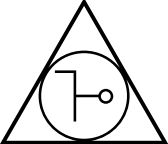
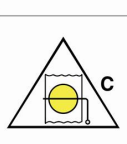
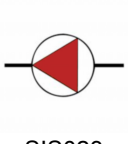
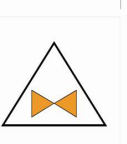
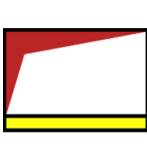
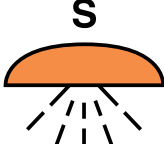
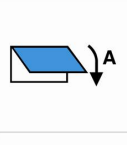
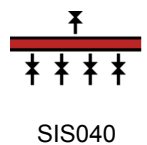
				
MSS022 (ISO 7010-M020) Fasten seat belts	MSS023 (ISO 7010-M037) Close hatches	MSS024 (ISO 7010-M038) Start engine	MSS025 (ISO 7010-M039) Lower to the water (lifeboat)	MSS026 (ISO 7010-M040) Lower to the water (liferaft)
				
MSS027 (ISO 7010-M041) Lower to the water (rescue boat)	MSS028 (ISO 7010-M042) Release falls	MSS029 (ISO 7010-M043) Start water spray	MSS030 (ISO 7010-M044) Start air supply	MSS031 (ISO 7010-M045) Release lifeboat grips

4.4 Table 3 summarizes the SIS catalogue primarily adapted from IMO Resolution A.952(23) and ISO 17631 with the exception of the SIS signs listed in 4.1.

Table 3 — Summary of shipboard fire control plan signs (SIS) for shipboard use

						
SIS001 Fire control plan	SIS009 Remote control for fire doors	SIS017 Closing device for ventilation inlet or outlet (machinery)	SIS025 Emergency fire pump	SIS033 International shore connection	SIS041 Intert gas installation	SIS049 Emergency source of electrical power (battery)
						
SIS002 Safety plan	SIS010 Fire damper	SIS018 Closing device	SIS026 Fuel pump(s)	SIS034 Fire hydrant	SIS042 Space or group	SIS050

	(accommodation and service spaces)	for ventilation inlet or outlet (cargo spaces)	remote shut-off		of spaces protected by a water fire-extinguishing system	Emergency switchboard
Fire and Safety Plan  SIS003 Fire and safety plan	 SIS011 Fire damper (machinery space)	 SIS019 Remote control for closing device for ventilation inlet and outlet (accomm)	 SIS027 Lube oil pump(s) remote shut-off	 SIS035 Main section valve	 SIS043 Space or group of spaces protected by a foam fire-extinguishing system	 SIS051 Air compressor for breathing devices
 SIS004 Ventilation remote control or shut-off (accommodation and service spaces)	 SIS012 Fire damper (cargo space)	 SIS020 Remote control for closing device for ventilation inlet and outlet (machinery)	 SIS028 Remote control for bilge pump(s)	 SIS036 Sprinkler-section valve	 SIS044 Space or group of spaces protected by a gas other than CO ₂ fire-extinguishing system	 SIS052 Control panel for fire detection and alarm system
 SIS005 Ventilation remote control or shut-off (machinery spaces)	 SIS013 Remote control for fire damper (accommodation or service spaces)	 SIS021 Remote control for closing device for ventilation inlet and outlet (cargo)	 SIS029 Remote control for emergency bilge pump	 SIS037 Powder-section valve	 SIS045 Space or group of spaces protected by a powder fire-extinguishing system	
 SIS006 Ventilation remote control or shut-off (cargo)	 SIS014 Remote control for fire damper (machinery)	 SIS022 Remote control for fire pump	 SIS030 Remote control for fuel oil valves	 SIS038 Foam-section valve	 SIS046 Space or group of spaces protected by a CO ₂ fire-extinguishing system	

 SIS007 Remote control for skylight	 SIS015 Remote control for fire damper (cargo space)	 SIS023 Fire pump	 SIS031 Remote control for lube oil valves	 SIS039 High expansion foam supply trunk (outlet)	 SIS047 Space or group of spaces protected by a sprinkler or high-pressure water fire- extinguishing system	
 SIS008 Remote control for watertight doors	 SIS016 Closing device for ventilation inlet or outlet (accommodatio n and service spaces)	 SIS024 emergency fire pump Remote control or fire pump supplied by the emergency source of power	 SIS032 Remote control for fire pump valves	 SIS040 Water spray system valves 2.24	 SIS048 Emergency generator	

5 Standardized shipboard safety sign and fire control plan signs

5.1 Tables 4 to 11 give safety sign and fire control plan 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 the use of borders is encouraged as defined by ISO 3864-1. The signs should be reproduced exactly as shown in Tables 4 to 11. 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 or safety-related sign is maintained. Consistent reproduction and use of these signs will lead to a progressively improved degree of comprehension at the international level.

5.2 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.

5.3 Where a graphical symbol is not available to indicate a particular desired meaning, the meaning shall be obtained by using the appropriate general sign together with supplementary safety information.

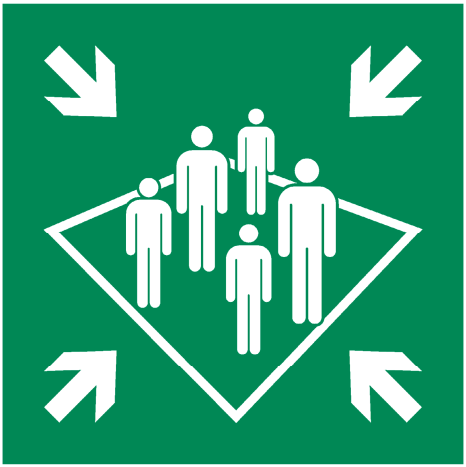
5.4 Tables 4 to 11 present the safety sign and fire control plan sign originals according to their category as follows:

- MES - Means of escape see Table 4
- EES - Emergency equipment signs see Table 5
- LSS - Life saving systems and appliances see Table 6

— FES - Fire-fighting equipment see	Table 7
— PSS - Prohibition signs see	Table 8
— WSS - Warning signs see	Table 9
— MSS - Mandatory action signs see	Table 10
— SIS - Fire control plan signs for trained personnel	Table 11

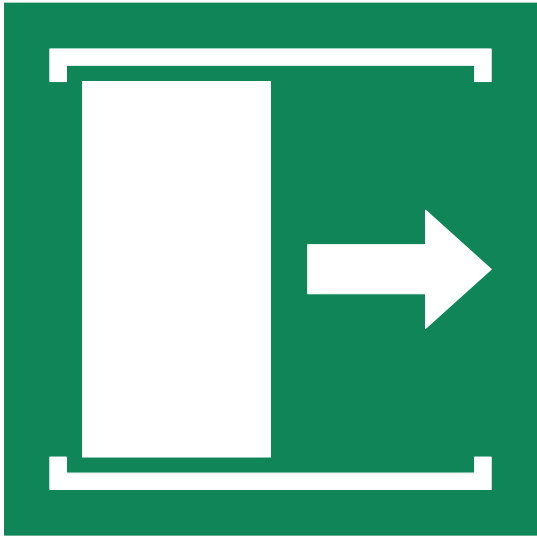
STANDARDSISO.COM : Click to view the full PDF of ISO 24409-2:2014

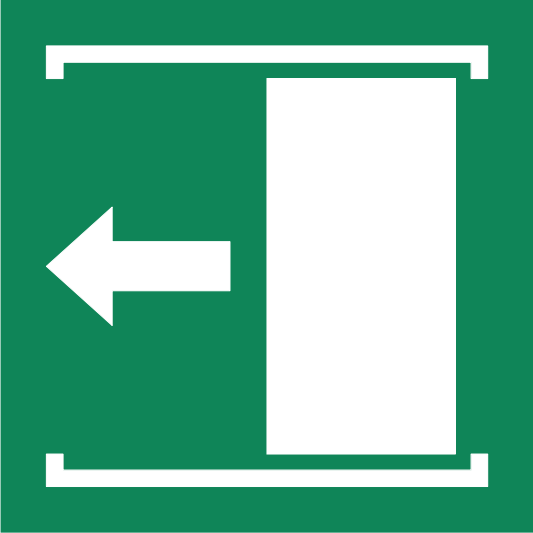
Table 4 — Means of escape signs (MES)

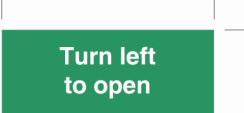
	Reference No. MES001 (ISO 7010 E032)
	Referent Assembly Station
	Function To indicate the location of an assembly station on board ship
	Image content Five human figures in different sizes standing on a square, four arrows coming from the corners pointing to them
Hazard Not being able to locate an assembly station on board ship Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of an assembly station on board ship Related referents ISO 7010-E007 Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary 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. Management information panel supplementary sign with a reference number or letter may be used to indicate a specific assembly station to aid in distinguishing between multiple assembly stations.    	

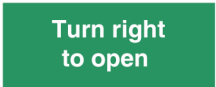
	Reference No. MES002 (ISO 7010-E001)
	Referent Emergency Exit (left hand)
	Function To locate means of escape and/or escape routes to a place of safety.
	Image content Human figure moving to left through doorway
Hazard Not being able to locate means of escape and/or escape routes to a place of safety 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-E002, MES003 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary 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: 	

	Reference No. MES003 (ISO 7010-E002)
	Referent Emergency Exit (right hand)
	Function To locate means of escape and/or escape routes to a place of safety
	Image content Human figure moving to right through doorway
Hazard Not being able to locate means of escape and/or escape routes 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-E002, MES002 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary 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: 	

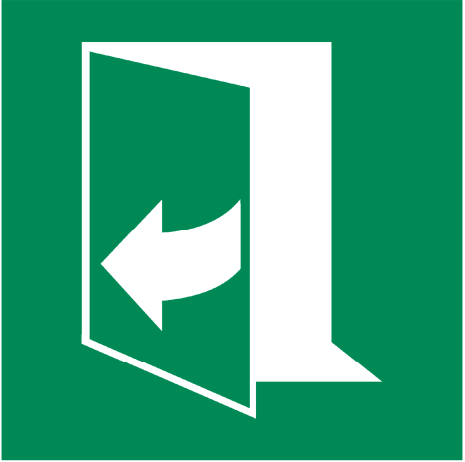
	Reference No. MES004 (ISO 7010 E033)
	Referent Door slides right to open
	Function To indicate the direction in which a sliding door opens
	Image content Rectangle bordered top and bottom, arrow pointing to the right
Hazard Not being able to determine the direction of movement of a sliding door Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being able to discern a sliding door which opens to the right. Related referents ISO 7010-E022, ISO 7010-E023, ISO 7010-E034, ISO 7010-E057, ISO 7010-E058 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Slide open to the right Slide to open	

	Reference No. MES005 (ISO 7010-E034)
	Referent Door slides left to open
	Function To indicate the direction in which a sliding door will open.
	Image content White rectangle bordered top and bottom with arrow pointing to left
Hazard Not being able to determine the direction of travel of a sliding door in order to open it Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being able to discern a sliding door which opens to the left. Related referents MES004, ISO 7010-W019 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Slide open to the left Slide to open	

	Reference No. MES006 (ISO 7010-E018)
	Referent Turn anticlockwise to open
	Function To indicate that a counter clockwise rotation is needed to turn a knob to open a door.
	Image content Knob and portion of a door in perspective with arrow curving counter clockwise
Hazard Not being able to determine the correct rotation to turn a knob in order to open a door Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being able to discern that counter clockwise is the correct way to turn a knob to open a door. Related referents ISO 7010 E018, ISO 7010 E019, MES007 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. 	

	Reference No. MES007 (ISO 7010 E019)
	Referent Turn clockwise to open
	Function To indicate that a clockwise rotation is needed to turn a knob to open a door.
	Image content Knob and portion of a door in perspective with arrow curving clockwise
Hazard Not being able to determine the correct rotation to turn a knob in order to open a door [especially in the event of an emergency] Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being able to discern that clockwise is the correct way to turn a knob to open a door. Related referents ISO 7010 E018, ISO 7010 E019, MES006 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. 	

	Reference No. MES008 (ISO 7010 E057)
	Referent Door opens by pulling on left-hand side
	Function To indicate that the door opens by pulling on the left-hand side.
	Image content Doorway with door opening inwards, curved arrow pointing to right
Hazard Not being able to determine that a door handle must be pulled on left-hand side in order to open a door Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware that pulling on the left-hand side is the correct way to open a door. Related referents MES009 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. 	

	Reference No. MES009 (ISO 7010 E058)
	Referent Door opens by pulling on right-hand side
	Function To indicate that the door opens by pulling on the right-hand side.
	Image content Doorway with door opening inwards, curved arrow pointing to left
Hazard Not being able to determine that a door handle must be pulled on right-hand side in order to open a door Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware that pulling on the right-hand side is the correct way to open a door. Related referents MES008 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. 	

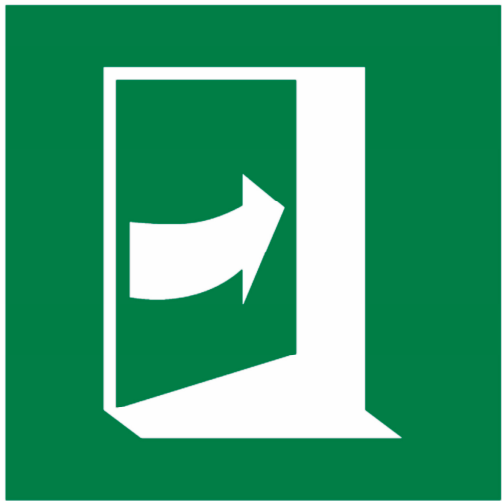
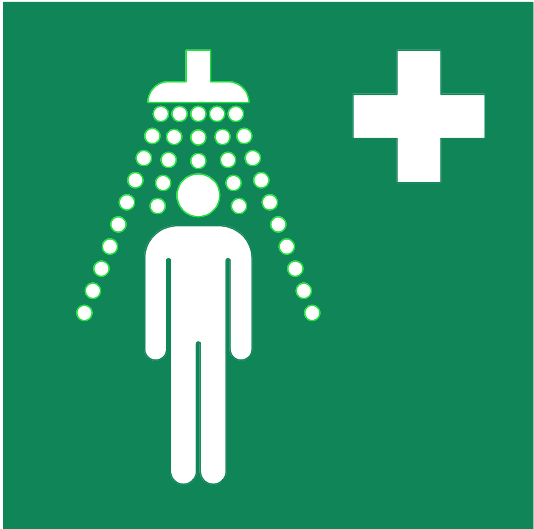
	Reference No.
	MES009
	Referent
	Push
	Function
	To indicate that a pushing force is needed [to open a door].
	Image content
	A white arrow in perspective pointing in and to the right
Hazard Not being able to determine that a door handle must be pushed in order to open a door	
Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being able to discern that pushing is the correct way to open a door.	
Related referents MES008	
Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	
	

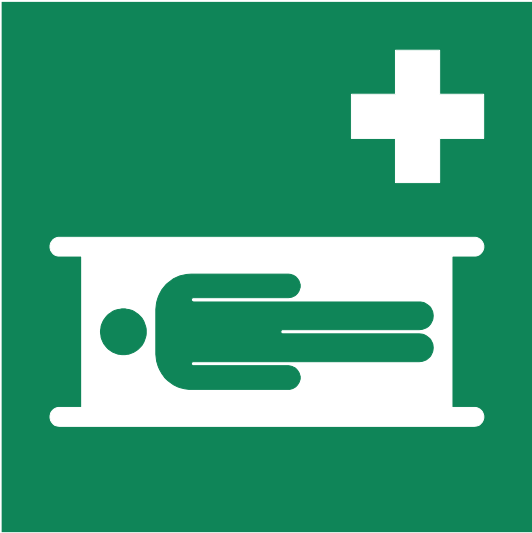
Table 5 — Emergency equipment signs (EES)

	Reference No.
	EES001 (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-E003, ISO 7010-E004, ISO 7010-E009, 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.	
	

	Reference No. EES002 (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-E004, 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. Emergency telephone	

	Reference No. EES003 (ISO 7010-E011)
	Referent Eye wash 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 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 Related referents ISO 7010-E003, 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. Eye wash station	

	Reference No. EES004 (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 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 Related referents ISO 7010-E003, 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. Safety shower	

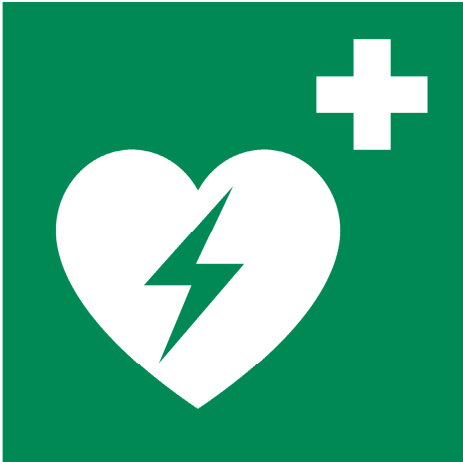
	Reference No. EES005 (ISO 7010-E013)
	Referent Stretcher
	Function To indicate the location of a stretcher.
	Image content Human figure outlined on a white stretcher, first aid cross
Hazard Not being able to locate a stretcher which is provided to assist in the transport of people with injury or illness 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 Related referents ISO 7010-E003, 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. Stretcher	

	Reference No. EES006 (ISO 7010 E027)
	Referent Medical grab bag
	Function To indicate the location of a medical grab bag.
	Image content Bag (outlined) with handles, first aid cross
Hazard Not being able to locate a medical grab bag. Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a medical grab bag. Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013, ISO 7010-E028, ISO 7010-E029 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. Medical grab bag	

	Reference No. EES007 (ISO 7010 E028)
	Referent Oxygen resuscitator
	Function To indicate the location of an oxygen resuscitator.
	Image content Oxygen cylinder with manual control, hose line and mask, first aid cross.
	Hazard Not being able to locate an oxygen resuscitator Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of a oxygen resuscitator Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013, ISO 7010-E027, ISO 7010-E029 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. Oxygen resuscitator

	Reference No. EES008 (ISO 7010 E029)
	Referent Emergency escape breathing device
	Function To indicate the location of an emergency escape breathing device (EEBD)
	Image content Full-face mask with regulator (front view), first aid cross
Hazard Not being able to locate an EEBD Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of an EEBD Related referents ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013, ISO 7010-E027, ISO 7010-E028 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. Emergency escape breathing device (E.E.B.D.)	

	Reference No. EES009 (ISO 7010-E009)
	Referent Doctor
	Function To indicate the location of a doctor, infirmary, or medical assistance.
	Image content Upper human figure with stethoscope, first aid cross
Hazard Not being able to locate a doctor, infirmary, or similar medical assistance Human behaviour that is intended to be caused after understanding the safety sign's meaning Being aware of the location of medical assistance. 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. Doctor	

	Reference No.
	EES010 (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 an 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

Related referents

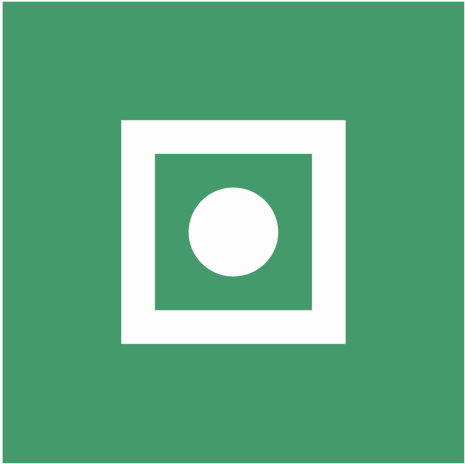
ISO 7010-E003, ISO 7010-E010,

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 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.

Automated external heart defibrillator

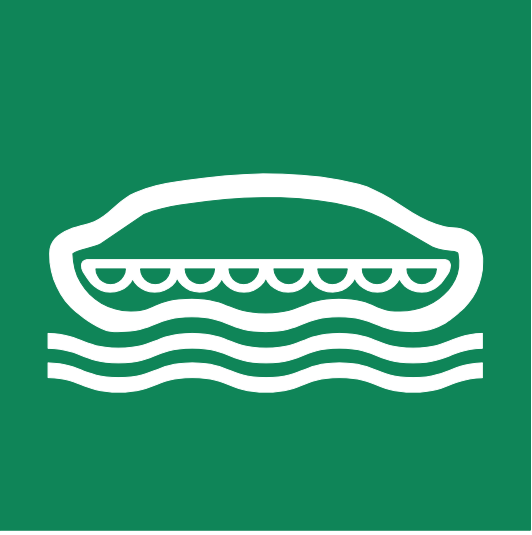
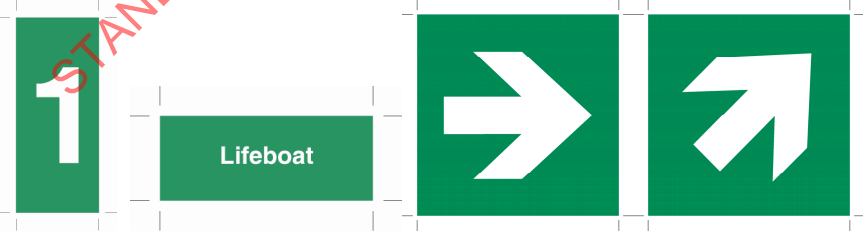
	Reference No. EES011 (This sign was not approved for inclusion in ISO 7010 graphical symbols.)
	Referent Safety equipment
	Function To indicate the location of safety equipment [or a safety equipment locker].
	Image content White checkmark
Hazard Not being able to locate shipboard safety equipment [or a safety equipment locker] Human behaviour that is intended to be caused after understanding the safety sign's meaning Crew being aware of the location of shipboard safety equipment Related referents EES004, EES005, EES006, EES007, EES009, EES010 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. Safety equipment	

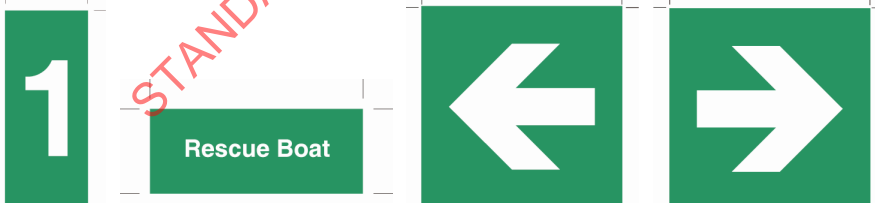
	Reference No. EES012 (ISO 7010 E031)
	Referent Shipboard general alarm
	Function To indicate the location of a general alarm button on board ship.
	Image content Circle in a square (outlined)
Hazard Not being able to locate a general alarm button on board ship Human behaviour that is intended to be caused after understanding the safety sign's meaning Crew being aware of the location of the general alarm button Related referents ISO 7010-F005 Additional information Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign (i.e. "General alarm" or "General alarm call point") shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. General alarm General alarm call point	

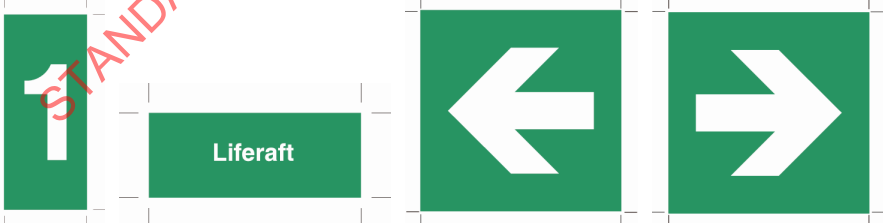
	Reference No.
	EES013 (ISO 7010 E008)
	Referent
	Break to obtain access
	Function
	To indicate a cover which requires breaking to obtain access to an emergency exit device. For everyday use in workplaces and public areas
	Image content
	Human fist and lower arm (outlined) holding a bar, uneven star shape
Hazard	
Not being able to open an emergency exit device 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	
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 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.	
Break to obtain access	

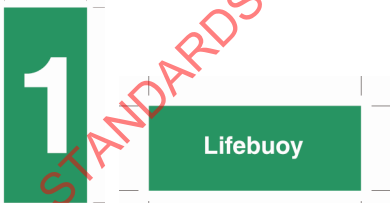
Table 6 — Life saving systems and appliances signs (LSS)

	Reference No. LSS001 (ISO 7010 E036)
	Referent Lifeboat
	Function To indicate the location of, or route to, a lifeboat.
	Image content White silhouette lifeboat with eight becketed lifelines atop a wave pattern
Hazard Not being able to locate the lifeboat in the event of an evacuation. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of, or route to, a lifeboat. Related referents --- Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary 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. Management information panel supplementary sign with a reference letter may be used to indicate a specific lifeboat to aid in distinguishing between multiple lifeboats. 	

	Reference No. LSS002 (ISO 7010 E037)
	Referent Rescue boat
	Function To indicate the location of, or route to, a rescue boat.
	Image content Rescue boat with enclosed cabin in profile with human figure pulling another figure from water with wave pattern
Hazard Not being able to locate the rescue boat.	
Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of, or route to, a rescue boat.	
Related referents ---	
Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary 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. Management information panel supplementary sign with a reference number may be used to indicate a specific rescue boat to aid in distinguishing between multiple rescue boats.	
	

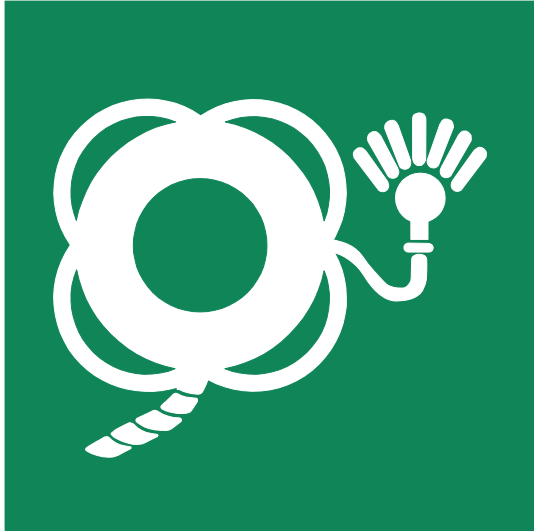
	Reference No. LSS003 (ISO 7010 E038)
	Referent Liferaft
	Function To indicate the location of, or route to, a liferaft.
	Image content Liferaft over wave pattern
Hazard Not being able to locate a liferaft. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of, or route to, a liferaft. Related referents --- Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary 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. Management information panel supplementary sign with a reference number or letter may be used to indicate a specific liferaft to aid in distinguishing between multiple liferafts.. 	

	Reference No. LSS004 (ISO 7010 E039)
	Referent Davit-launched-liferaft
	Function To indicate the location of, or route to, a davit launched liferaft.
	Image content Liferaft suspended from single point davit
Hazard Not being able to locate a davit-launched liferaft.	
Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of, or route to, a davit-launched liferaft.	
Related referents ---	
Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary 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. Management information panel supplementary sign with a reference number or letter may be used to indicate a specific davit-launched liferaft to aid in distinguishing between multiple liferafts.	
   	

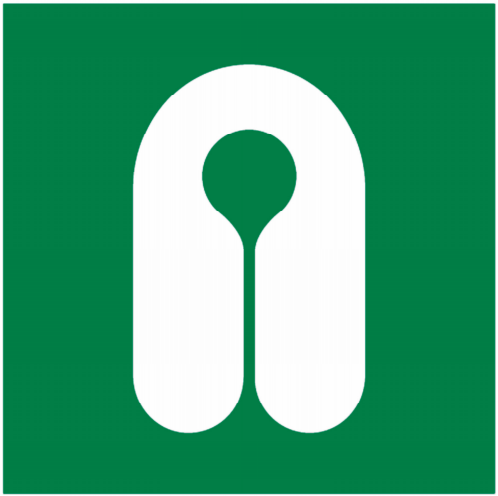
	Reference No. LSS005 (ISO 7010 E040)
	Referent Lifebuoy
	Function To indicate the location of a lifebuoy.
	Image content Ring buoy with four becketed lines
Hazard Not being able to locate a lifebuoy in time to launch it, especially in man overboard situations. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a lifebuoy. Related referents ISO 20712-1 WSE001, Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign to be used to reference a specific lifebuoy. 	

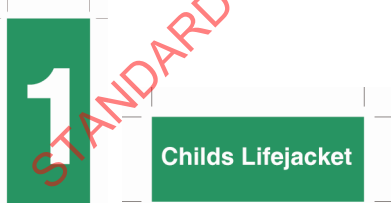
	Reference No. LSS006 (ISO 7010 E041)
	Referent Lifebuoy with line
	Function To indicate the location of a lifebuoy with heaving line.
	Image content Ring buoy with four becketed lines and attached segmented line
Hazard Not being able to locate a lifebuoy with heaving line in time to launch it, especially in man overboard situations.	
Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a lifebuoy with heaving line.	
Related referents ISO 20712-1 WSE001,	
Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	
Management information panel supplementary sign to be used to reference a specific lifebuoy.	
1 Lifebuoy with line	

	Reference No. LSS007 (ISO 7010 E042)
	Referent Lifebuoy with light
	Function To indicate the location of a lifebuoy with water light.
	Image content Ring buoy with four becketed lines and attached light
Hazard Not being able to locate a lifebuoy with an attached water light in time to launch it, especially in man overboard situations in reduced visibility or night time. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a lifebuoy with light. Related referents ISO 20712-1 WSE001, Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign to be used to reference a specific lifebuoy. 	

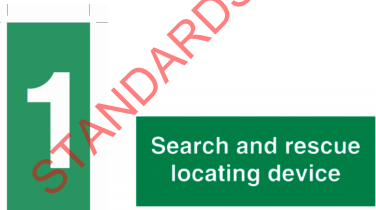
	Reference No.
	LSS008 (ISO 7010 E043)
	Referent
	Lifebuoy with line & light
	Function
	To indicate the location of a lifebuoy with heaving line and light.
	Image content
	Ring buoy with four becketed lines and attached line and light
Hazard	
Not being able to locate a lifebuoy with attached light and heaving line.	
Human behaviour that is intended to be caused after understanding the safety sign's meaning:	
Being aware of the location of a lifebuoy with light and line.	
Related referents	
ISO 20712-1 WSE001,	
Additional information.	
Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	
Management information panel supplementary sign to be used to reference a specific lifebuoy.	

	Reference No.
	LSS008 bis (needs application form)
	Referent
	Lifebuoy with light & smoke
	Function
	To indicate the location of a lifebuoy with light and smoke.
	Image content
	Ring buoy with four becketed lines and attached line and smoke
Hazard	
Not being able to locate a lifebuoy with attached water light and smoke.	
Human behaviour that is intended to be caused after understanding the safety sign's meaning:	
Being aware of the location of a lifebuoy with light and smoke.	
Related referents	
ISO 20712-1 WSE001,	
Additional information.	
Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.	
Management information panel supplementary sign to be used to reference a specific lifebuoy.	
1 Lifebuoy with light and smoke	

	Reference No. LSS009 (ISO 7010 E044)
	Referent Lifejacket
	Function To indicate the location of a lifejacket or location of stowed lifejackets.
	Image content Stylized lifejacket
Hazard Not being able to locate a lifejacket. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a lifejacket or a stowage location of lifejackets. Related referents ISO 20712-1 WSM001, Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used to indicate the number of lifejackets stowed. 	

	Reference No. LSS010 (ISO 7010 E045)
	Referent Child's Lifejacket
	Function To indicate the location of a child sized lifejacket or location of stowed child sized lifejackets.
	Image content Stylized lifejacket with walking child
Hazard Not being able to locate a child size lifejacket. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a child size lifejacket. Related referents ISO 20712-1 WSM001, Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used to indicate the number of lifejackets stowed. 	

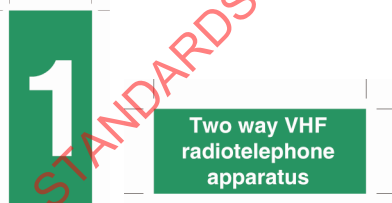
	Reference No. LSS011 (ISO 7010 E046)
	Referent Infant's Lifejacket
	Function To indicate the location of a infant sized lifejacket or location of stowed infant sized lifejackets.
	Image content Stylized lifejacket with infant
Hazard Not being able to locate an infant sized lifejacket. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of an infant sized lifejacket. Related referents ISO 20712-1 WSM001, Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used to indicate the number of lifejackets stowed. 	

	Reference No. LSS012 (ISO 7010 E047)
	Referent Search and rescue locating device
	Function To indicate the location of a search and rescue locating device.
	Image content Locating device with solid arrow pointing towards antenna and a dashed arrow pointing away
Hazard Not being able to locate a search and rescue locating device. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a search and rescue locating device. Related referents LSS017 Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used. 	

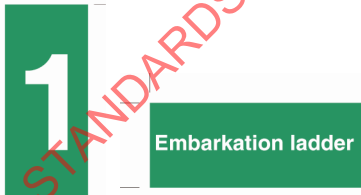
	Reference No. LSS013 (ISO 7010 E048)
	Referent Distress signals
	Function To indicate the stowed location of distress signals.
	Image content A bursting star at the end of a curved path of diminishing width
Hazard Not being able to locate the stowed location of distress signals. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of distress signals. Related referents --- Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used. 	

	Reference No. LSS014 (ISO 7010 E049)
	Referent Rocket parachute flares
	Function To indicate the stowed location of rocket parachute flares.
	Image content Bursting star suspended from a parachute
Hazard Not being able to locate the stowed location of rocket parachute flares. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of rocket parachute flares. Related referents --- Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used. 	

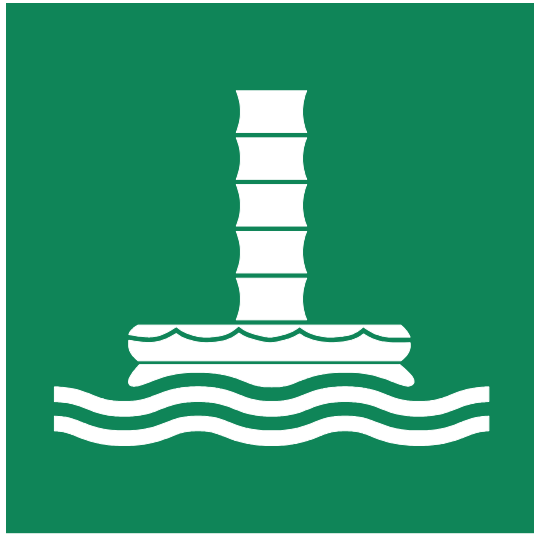
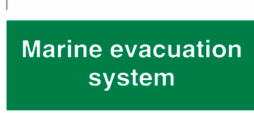
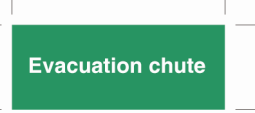
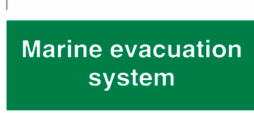
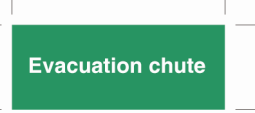
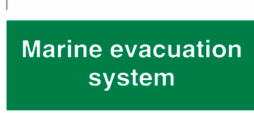
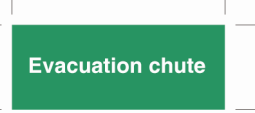
	Reference No. LSS015 (ISO 7010 E050)
	Referent Line-throwing appliance
	Function To indicate the location of a line-throwing appliance.
	Image content Barrel-mounted rocket with attached line
Hazard Not being able to locate the stowed location of a line-throwing appliance. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a line-throwing appliance. Related referents Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used. 1 Line-throwing appliance	

	<table><tr><td>Reference No.</td></tr><tr><td>LSS016 (ISO 7010 E051)</td></tr><tr><td>Referent</td></tr><tr><td>Two-way VHF radiotelephone apparatus</td></tr><tr><td>Function</td></tr><tr><td>To indicate the location of a two-way VHF radiotelephone apparatus.</td></tr><tr><td>Image content</td></tr><tr><td>Right hand holding radio with three-prong antenna and flash</td></tr></table>	Reference No.	LSS016 (ISO 7010 E051)	Referent	Two-way VHF radiotelephone apparatus	Function	To indicate the location of a two-way VHF radiotelephone apparatus.	Image content	Right hand holding radio with three-prong antenna and flash
Reference No.									
LSS016 (ISO 7010 E051)									
Referent									
Two-way VHF radiotelephone apparatus									
Function									
To indicate the location of a two-way VHF radiotelephone apparatus.									
Image content									
Right hand holding radio with three-prong antenna and flash									
Hazard Not being able to locate the stowed location of a two-way VHF radiotelephone apparatus. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a two-way VHF radiotelephone apparatus. Related referents Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used.									
									

	Reference No. LSS017 (ISO 7010 E052)
	Referent Emergency Position Indicating Radio Beacon (EPIRB)
	Function To indicate the stowed location of an EPIRB.
	Image content EPIRB with flash
Hazard Not being able to locate the stowed location of an EPIRB. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of an EPIRB. Related referents LSS016 Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used.  	

	<table><tr><td>Reference No.</td></tr><tr><td>LSS018 (ISO 7010 E053)</td></tr><tr><td>Referent</td></tr><tr><td>Embarkation ladder</td></tr><tr><td>Function</td></tr><tr><td>To indicate the location of an embarkation ladder.</td></tr><tr><td>Image content</td></tr><tr><td>Arrow with superimposed six-rung ladder pointing down toward rippling water surface</td></tr></table>	Reference No.	LSS018 (ISO 7010 E053)	Referent	Embarkation ladder	Function	To indicate the location of an embarkation ladder.	Image content	Arrow with superimposed six-rung ladder pointing down toward rippling water surface
Reference No.									
LSS018 (ISO 7010 E053)									
Referent									
Embarkation ladder									
Function									
To indicate the location of an embarkation ladder.									
Image content									
Arrow with superimposed six-rung ladder pointing down toward rippling water surface									
Hazard Not being able to locate the location of an embarkation ladder. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of an embarkation ladder. Related referents --- Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used.									
									

	Reference No. LSS019 (ISO 7010 E054)
	Referent Marine evacuation system (slide)
	Function To indicate the location of a marine evacuation system (slide).
	Image content Slide terminating in open raft above rippling water surface
Hazard Not being able to locate a marine evacuation system (slide). Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a marine evacuation system (slide) to launch from its stowed position or at an egress point for passengers and crew to use. Related referents LSS020 Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used.  Marine evacuation system Evacuation chute	

	<table><tr><td>Reference No. LSS020 (ISO 7010 E055)</td></tr><tr><td>Referent Marine evacuation system (chute)</td></tr><tr><td>Function To indicate the location of a marine evacuation system (chute).</td></tr><tr><td>Image content Vertical chute above an open raft above rippling water surface</td></tr></table>	Reference No. LSS020 (ISO 7010 E055)	Referent Marine evacuation system (chute)	Function To indicate the location of a marine evacuation system (chute).	Image content Vertical chute above an open raft above rippling water surface
Reference No. LSS020 (ISO 7010 E055)					
Referent Marine evacuation system (chute)					
Function To indicate the location of a marine evacuation system (chute).					
Image content Vertical chute above an open raft above rippling water surface					
Hazard Not being able to locate a marine evacuation system (chute) in the event of an evacuation. Human behaviour that is intended to be caused after understanding the safety sign's meaning: Being aware of the location of a marine evacuation system (chute) to launch from its stowed position or at an egress point for passengers and crew to use. Related referents LSS019 Additional information. Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training. Management information panel supplementary sign may be used. <table><tr><td></td><td></td><td></td></tr></table>					
					

	Reference No. LSS021 (ISO 7010 E056)
	Referent Survival clothing
	Function To indicate the location of survival clothing in the event of an evacuation from the vessel or search and rescue operation.
	Image content Full body survival suit with hood

Hazard
Not being able to locate survival clothing in the event of an abandon ship or search and rescue operation when worn while on board a rescue boat.

Human behaviour that is intended to be caused after understanding the safety sign's meaning:
Being aware of the location of survival clothing.

Related referents
N/A

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

Management information panel supplementary sign may be used.

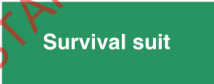
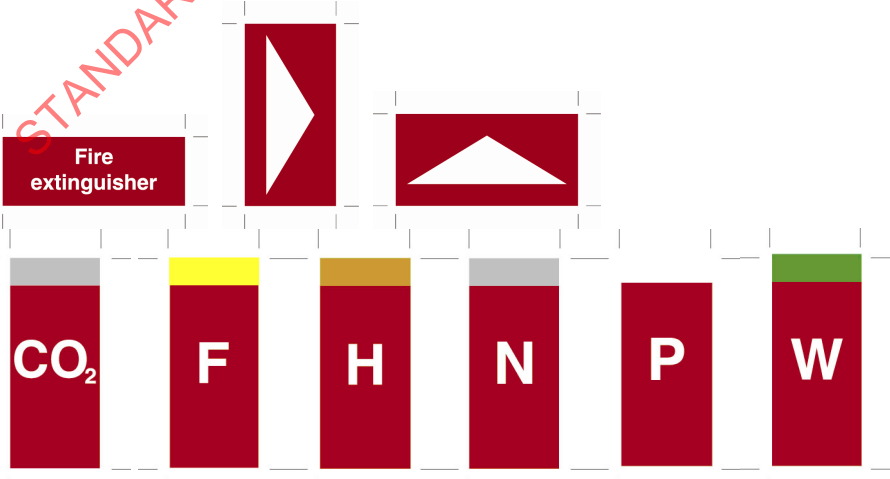
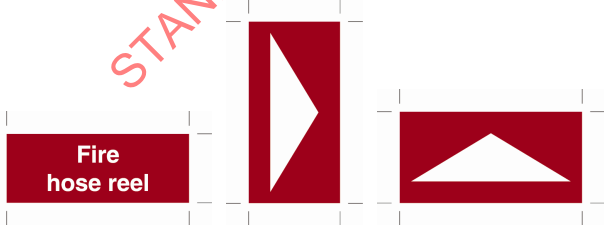
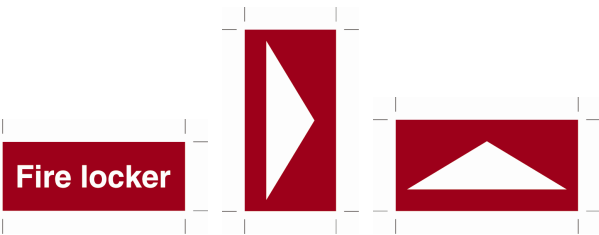
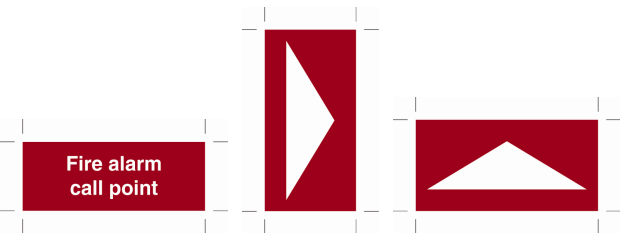
				
	Survival suit	Abandonment suit	Anti-exposure suit	Immersion suit

Table 7 — Fire-fighting equipment signs (FES)

	Reference No. FES001 (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. A supplementary sign may be used to identify what extinguishing media is in the fire extinguisher: CO₂, Nitrogen, Foam, Powder, Water, Gases other than CO₂. 	

	Reference No. FES002 (ISO 7010-F002)
	Referent Fire hose reel
	Function To indicate the location of a fire hose reel.
	Image content Seven vertical lines, one with an irregular rectangle under, 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 A crewmember or firefighter 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. 	

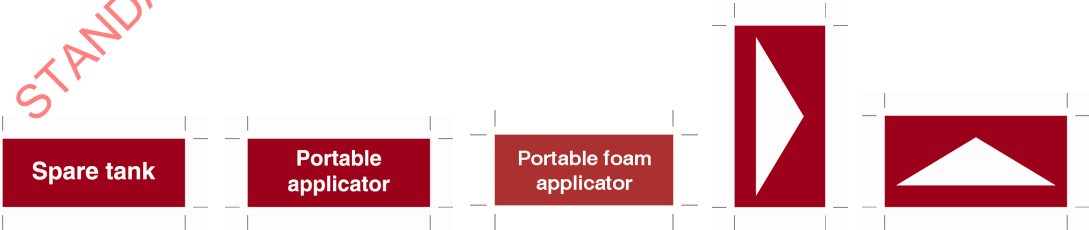
	Reference No. FES003 (ISO 7010-F004)
	Referent Fire locker (Collection of fire fighting equipment)
	Function To indicate the location of a fire locker.
	Image content Fire helmet (profile), flame determinant
Hazard Not being able to locate a collection of fire-fighting equipment Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of fire-fighting 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 fire-fighting equipment for which there is no standardized 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. 	

	Reference No. FES004 (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. 	

	Reference No. FES005 (ISO 7010 F008)
	Referent Fixed fire extinguishing battery
	Function To indicate the location of a fixed fire extinguishing battery
	Image content Four bottles attached to a manifold, flame determinant

Hazard Not being able to locate a fixed fire extinguishing battery	
Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of a fixed fire extinguishing battery	
Related referents ISO 7010-W029	
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. A supplementary sign may be used to identify what extinguishing media is in the battery: CO₂, Nitrogen, Foam, Powder, Water, Gases other than CO₂.	
Fixed fire extinguishing battery	

	<table><tr><td>Reference No.</td></tr><tr><td>FES006 (ISO 7010 F009)</td></tr><tr><td>Referent</td></tr><tr><td>Wheeled fire extinguisher</td></tr><tr><td>Function</td></tr><tr><td>To indicate the location of a wheeled fire extinguisher</td></tr><tr><td>Image content</td></tr><tr><td>Bottle on wheeled cart (profile), flame determinant</td></tr></table>	Reference No.	FES006 (ISO 7010 F009)	Referent	Wheeled fire extinguisher	Function	To indicate the location of a wheeled fire extinguisher	Image content	Bottle on wheeled cart (profile), flame determinant
Reference No.									
FES006 (ISO 7010 F009)									
Referent									
Wheeled fire extinguisher									
Function									
To indicate the location of a wheeled fire extinguisher									
Image content									
Bottle on wheeled cart (profile), flame determinant									
Hazard Not being able to locate a wheeled fire extinguisher in order to fight a fire in an emergency Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of a wheeled fire extinguisher 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. A supplementary sign may be used to identify what extinguishing media is in the extinguisher: CO₂, Nitrogen, Foam, Powder, Water Wheeled fire extinguisher        									

	Reference No. FES007 (ISO 7010 F010)
	Referent Portable foam applicator unit
	Function To indicate the location of a portable foam applicator unit or spare foam tank
	Image content Foam can with goose neck hose terminating with a venturi nozzle, flame determinant
Hazard Not being able to locate a portable foam applicator unit or relevant spare foam tank to fight a fire in an emergency situation Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of a portable foam applicator unit or spare foam tank 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 (e.g. Portable foam applicator unit, relevant spare tank, and portable applicator) except when the safety sign is supplemented by manuals, instructions or training. 	

	<table><tr><td>Reference No.</td></tr><tr><td>FES008 (ISO 7010 F011)</td></tr><tr><td>Referent</td></tr><tr><td>Water fog applicator</td></tr><tr><td>Function</td></tr><tr><td>To indicate the location of a water fog applicator</td></tr><tr><td>Image content</td></tr><tr><td>90 degree bend terminating in a nozzle with five non-parallel segmented lines, flame determinant</td></tr></table>	Reference No.	FES008 (ISO 7010 F011)	Referent	Water fog applicator	Function	To indicate the location of a water fog applicator	Image content	90 degree bend terminating in a nozzle with five non-parallel segmented lines, flame determinant
Reference No.									
FES008 (ISO 7010 F011)									
Referent									
Water fog applicator									
Function									
To indicate the location of a water fog applicator									
Image content									
90 degree bend terminating in a nozzle with five non-parallel segmented lines, flame determinant									
Hazard Not being able to locate a water fog applicator in an emergency situation Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of a water fog applicator 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.									
Water fog applicator  									

	<table><tr><td>Reference No.</td></tr><tr><td>FES009 (ISO 7010 F012)</td></tr><tr><td>Referent</td></tr><tr><td>Fixed fire extinguishing installation</td></tr><tr><td>Function</td></tr><tr><td>To indicate the location of a fixed fire extinguishing installation</td></tr><tr><td>Image content</td></tr><tr><td>Tank in profile supported on a frame at two points, flame determinant</td></tr></table>	Reference No.	FES009 (ISO 7010 F012)	Referent	Fixed fire extinguishing installation	Function	To indicate the location of a fixed fire extinguishing installation	Image content	Tank in profile supported on a frame at two points, flame determinant
Reference No.									
FES009 (ISO 7010 F012)									
Referent									
Fixed fire extinguishing installation									
Function									
To indicate the location of a fixed fire extinguishing installation									
Image content									
Tank in profile supported on a frame at two points, flame determinant									
Hazard Not being able to locate a fixed fire extinguishing installation in order to discharge the contents in fire fighting in an emergency situation Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of a fixed fire extinguishing installation 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. A supplementary sign may be used to identify what extinguishing media is in the fixed installation: CO₂, Nitrogen, Foam, Powder, Water, Gases other than CO₂. Fixed fire extinguisher      									

	Reference No. FES010 (ISO 7010 F013) Referent Fixed fire extinguishing bottle Function To indicate the location of a fixed fire extinguishing bottle Image content Head-on view of bottle supported on its side on a frame at two points, flame determinant
Hazard Not being able to locate and discharge a fixed fire extinguishing bottle in a fire situation Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of a fixed fire extinguishing bottle 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. A supplementary sign may be used to identify what extinguishing media is in the fixed installation: CO₂, Nitrogen, Foam, Powder, Water	
Fixed fire extinguishing bottle        	

	Reference No. FES011 (ISO 7010 F014)
	Referent Remote release station
	Function To indicate the location of a remote release station
	Image content Bottle with a knob handle on top, flame determinant

Hazard

Not being able to locate a remote release station in an emergency situation

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

A crewmember or firefighter being aware of the location of a remote release station

Related referents

ISO 7010-W029

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 (e.g. Remote release station) except when the safety sign is supplemented by manuals, instructions or training. A supplementary sign may be used to identify what extinguishing media is released at the remote station: CO₂, Nitrogen, Foam, Powder, Water

Remote
release station

















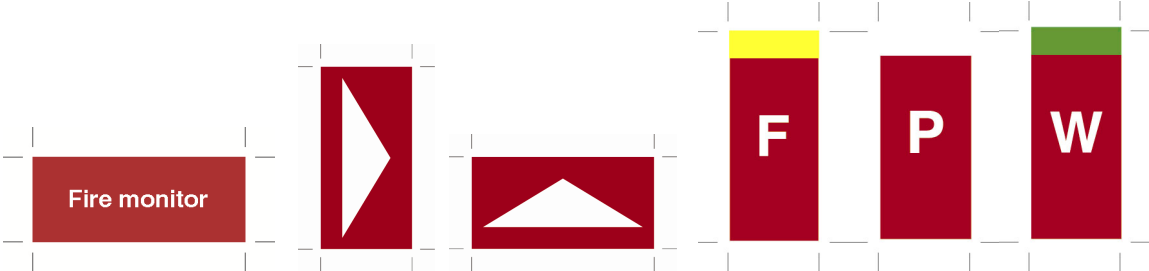
	<table> <tr> <td>Reference No.</td><td>FES012 (ISO 7010 F015)</td></tr> <tr> <td>Referent</td><td>Fire monitor</td></tr> <tr> <td>Function</td><td>To indicate the location of a fire monitor</td></tr> <tr> <td>Image content</td><td>Fire monitor in profile, flame determinant</td></tr> </table>	Reference No.	FES012 (ISO 7010 F015)	Referent	Fire monitor	Function	To indicate the location of a fire monitor	Image content	Fire monitor in profile, flame determinant
Reference No.	FES012 (ISO 7010 F015)								
Referent	Fire monitor								
Function	To indicate the location of a fire monitor								
Image content	Fire monitor in profile, flame determinant								
Hazard Not being able to locate a fire monitor in an emergency situation Human behaviour that is intended to be caused after understanding the safety sign's meaning A crewmember or firefighter being aware of the location of a fire monitor 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 (e.g. Fire monitor, monitor) except when the safety sign is supplemented by manuals, instructions or training. A supplementary sign may be used to identify what extinguishing media is released at the fire monitor: Foam, Water, Powder, 									

Table 8 — Prohibition signs (PSS)

	Reference No. PSS001 (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. For example: "do not throw garbage overboard"	

	Reference No. PSS002 (ISO 7010-P002)
	Referent No smoking
	Function To prohibit smoking
	Image content Cigarette (profile) 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.	

	Reference No. PSS003 (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.

No matches	No naked flames	No hot work
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	Reference No. PSS004 (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; may also mean "no passage while at sea"; "Restricted Area, no unauthorized entry"; or Restricted Area: authorized persons only" 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. No thoroughfare	

	Reference No. PSS005 (ISO 7010-P005)
	Referent Not drinking water
	Function To prohibit drinking of unsuitable water
	Image content Tap above three lines joined together, 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. Not drinking water	

	Reference No. PSS006 (ISO 7010-P006)
	Referent No access for fork lift trucks and other industrial vehicles
	Function To prohibit the use of fork lift trucks and other industrial vehicles in unauthorized areas
	Image content Fork lift truck (left hand profile) with human figure
Hazard Moving fork lift trucks and other industrial vehicles Human behaviour that is intended to be caused after understanding the safety sign's meaning Not using fork lift 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. No access for fork lift trucks and other industrial vehicles	

	Reference No. PSS007 (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. No access for persons with pacemakers	

	Reference No. PSS008 (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. No metallic articles or watches	

	Reference No. PSS009 (ISO 7010-P010)
	Referent Do not touch
	Function To prohibit touching objects/parts of an object
	Image content Hand, horizontal line
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. Do not touch	

	Reference No. PSS010 (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. Do not extinguish with water	

	Reference No. PSS011 (ISO 7010-P013)
	Referent No activated mobile phone
	Function To prohibit the activation of 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. No activated mobile phones	

	Reference No. PSS012 (ISO 7010-P014)
	Referent No access for persons 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 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. No access for persons with metallic implants	

	Reference No. PSS013 (ISO 7010-P015)
	Referent No reaching in
	Function To prohibit people putting hands into openings
	Image content Hand, 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. No reaching in	

	Reference No. PSS014 (ISO 7010-P017)
	Referent No pushing
	Function To prohibit pushing against an object
	Image content Horizontal line and vertical block with human figure leaning 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. No pushing	

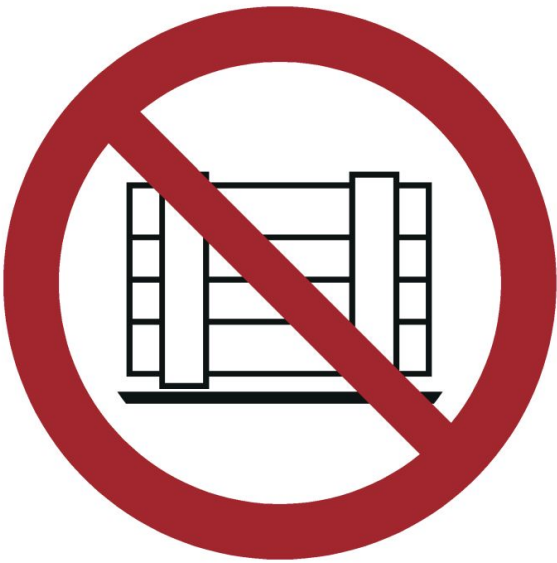
	Reference No. PSS015 (ISO 7010-P018)
	Referent No sitting
	Function To prohibit sitting on a surface
	Image content Human figure in sitting position, horizontal line
Hazard Surface unsuitable to sit on Human behaviour that is intended to be caused after understanding the safety sign's meaning Not sitting 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. No sitting	

	Reference No. PSS016 (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. No stepping on surface	

	Reference No. PSS017 (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 --- 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 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.	

	Reference No. PSS018 (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 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 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.	

	Reference No. PSS019 (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 No 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 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.	

	Reference No. PSS020 (ISO 7010-P023)
	Referent Do not obstruct
	Function To prohibit the obstruction of a designated clear area
	Image content Crate and 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.	

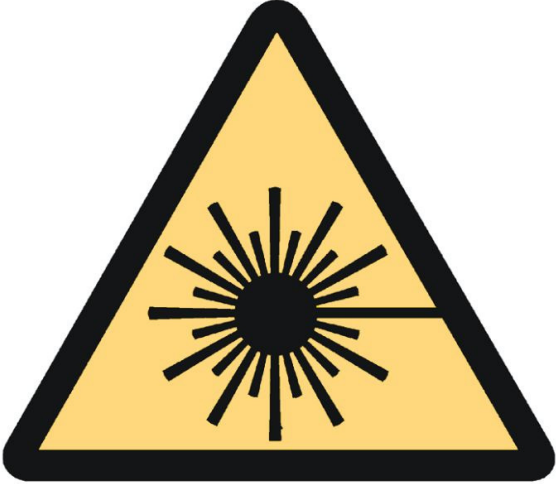
	Reference No. PSS021 (ISO 7010-P024)
	Referent Do not walk or stand here
	Function To prohibit walking or standing on a designated area
	Image content Two footprints
Hazard Areas which are unsafe for people to walk or stand on Human behaviour that is intended to be caused after understanding the safety 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 9 — Hazard warning signs (WSS)

	Reference No. WSS001 (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.	

	Reference No. WSS002 (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.	

	Reference No. WSS003 (ISO 7010-W003)
	Referent Warning; Radioactive material or ionizing radiation
	Function To warn of radioactive materials or ionizing radiation
	Image content Circle, three semi-circular arc shapes surrounding the circle
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	
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.	

	Reference No. WSS004 (ISO 7010-W004)
	Referent Warning; Laser beam
	Function To warn of a laser beam
	Image content Circle with twenty four regular equally spaced radiating lines, twelve shorter of equal length, eleven 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 --- 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.	

	Reference No. WSS005 (ISO 7010-W005)
	Referent Warning; Non-ionizing radiation
	Function To warn of non-ionizing radiation
	Image content Circle with two sets of three semi-circular lines each side of increasing length, ending in the same plane, triangular shaped rectangle under
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 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.	

	Reference No. WSS006 (ISO 7010-W006)
	Referent Warning; Magnetic field
	Function To warn of a magnetic field
	Image content Hoop with two outline sections at bottom, two lines in arc shapes each side of the outline section
Hazard Strong magnetic field Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid exposure to a strong magnetic field 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.	

	Reference No. WSS007 (ISO 7010-W007)
	Referent Warning; Floor level obstacle
	Function To warn of a floor level obstacle
	Image content Human figure falling forwards, thick horizontal line by forward leg
Hazard Floor level obstacle Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care when in the vicinity of a floor level obstacle Related referents ISO 7010-W008, ISO 7010-W011, ISO 7010-W020 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.	

	Reference No. WSS008 (ISO 7010-W008)
	Referent Warning; Drop (fall)
	Function To warn of a drop
	Image content Human figure falling backwards from the edge of a surface
Hazard Drop Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care when in the vicinity of a drop Related referents ISO 7010-W007, ISO 7010-W011 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.	

	Reference No. WSS009 (ISO 7010-W009)
	Referent Warning; Biological hazard
	Function To warn of a biological hazard
	Image content Circle with three equal overlaid pincer shaped circles
Hazard Virus or toxin Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid exposure to a biological hazard 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.	

	Reference No. WSS010 (ISO 7010-W010)
	Referent Warning; Low temperature/ freezing conditions
	Function To warn of low temperature or freezing conditions
	Image content Snow flake
Hazard Low temperature or freezing conditions Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid exposure to low temperature or freezing conditions 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.	

	Reference No. WSS011 (ISO 7010-W011)
	Referent Warning; Slippery surface
	Function To warn of a slippery surface
	Image content Human figure falling backwards, horizontal line underneath
Hazard Slippery surface Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid a slippery surface or, being aware of it, taking care to avoid slipping Related referents ISO 7010-W007, ISO 7010-W008 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.	

	Reference No. WSS012 (ISO 7010-W012)
	Referent Warning; Electricity
	Function To warn of electricity
	Image content Lightning bolt
Hazard Electricity Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid coming into contact with electricity Related referents ISO 7010-M005, ISO 7010-M006 Additional information The graphical symbol is IEC 60417-5036 "Dangerous voltage". 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.	

	Reference No. WSS013 (ISO 7010-W013)
	Referent Warning; Guard dog
	Function To warn of a guard dog
	Image content Head of a dog (left hand profile) with collar
Hazard Guard dog Human behaviour that is intended to be caused after understanding the safety sign's meaning Not entering an area patrolled by a guard dog without ensuring that the dog is under control Related referents ISO 7010-P021 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 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.	

	Reference No. WSS014 (ISO 7010-W014)
	Referent Warning; Fork lift trucks and other industrial vehicles
	Function To warn of a fork lift truck and other industrial vehicles
	Image content Fork lift truck (left hand profile) with human figure
Hazard Moving fork lift trucks and other industrial vehicles Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid collision with moving fork lift trucks and other industrial vehicles Related referents ISO 7010-P006 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.	

	Reference No. WSS015 (ISO 7010-W015)
	Referent Warning; Overhead load
	Function To warn of an overhead load
	Image content Box suspended at an angle from two ropes attached to a hook
Hazard Overhead load Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid being struck by or walking into an overhead load Related referents ISO 7010-W020 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 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.	

	Reference No. WSS016 (ISO 7010-W016)
	Referent Warning; Toxic material
	Function To warn of toxic material
	Image content Skull (outlined), behind it two crossed bones (outlined)
Hazard Poisoning Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid coming into contact with toxic material 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.	

	Reference No. WSS017 (ISO 7010-W017)
	Referent Warning; Hot surface
	Function To warn of a hot surface
	Image content Three parallel, vertical, s-shaped lines above a horizontal straight line
Hazard Hot surface	
Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid coming into contact with a hot 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.	

	Reference No. WSS018 (ISO 7010-W018)
	Referent Warning; Automatic start-up
	Function To warn of automatic activation
	Image content Circle with three connected curved lines
Hazard Automatically moving mechanical parts Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care when in the vicinity of machinery with moving mechanical parts which may start automatically and thus unexpectedly Related referents --- Additional information The graphical symbol is ISO 7000-0017 "Automatic control (closed loop)". 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.	

	Reference No. WSS019 (ISO 7010-W019)
	Referent Warning; Crushing
	Function To warn of moving mechanical parts
	Image content Human figure between two hatched bars; an arrow from the right side pointing to the right bar and an arrow from the left side pointing to the left bar
Hazard Mechanical parts which can come together in a crushing movement Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid mechanisms with parts which can come together in a crushing movement 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.	

	Reference No. WSS020 (ISO 7010-W020)
	Referent Warning; Overhead obstacle
	Function To warn of an overhead obstacle
	Image content Upper human figure underneath an overhead obstacle and star to indicate contact
Hazard Overhead obstacle Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid being struck or walking into an overhead obstacle Related referents ISO 7010-W007, ISO 7010-W015 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.	

	Reference No. WSS021 (ISO 7010-W021)
	Referent Warning; Flammable material
	Function To warn of flammable material
	Image content Flame, horizontal line underneath
Hazard Fire Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid causing a fire by igniting flammable material Related referents ISO 7010-P003, ISO 7010-P011 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.	

	Reference No. WSS022 (ISO 7010-W022)
	Referent Warning; Sharp element
	Function To warn of a sharp element
	Image content Bandaged hand above a vertical line with a point
Hazard Sharp elements Human behaviour that is intended to be caused after understanding the safety sign's meaning Taking care to avoid injury from sharp elements (e.g. needles, blades) 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 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.	

Table 10 — Mandatory action signs (MSS)

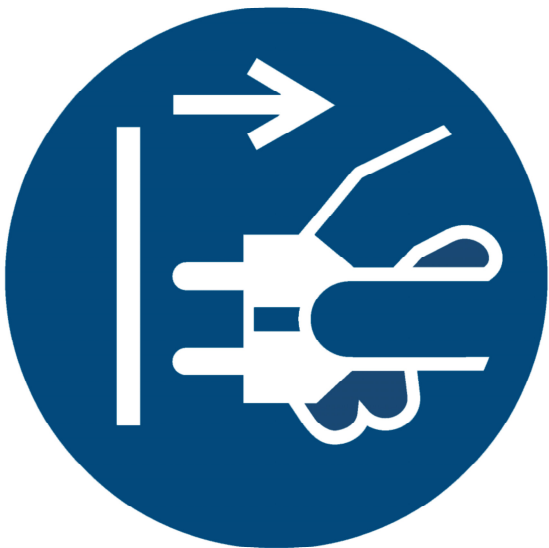
	Reference No. MSS001 (ISO 7010-M001)
	Referent General mandatory action sign
	Function To signify a mandatory action
	Image content Exclamation mark
Hazard Risk to people not following the mandatory action specified by the supplementary sign Human behaviour that is intended to be caused after understanding the safety sign's meaning Carrying out to 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.	

	Reference No. MSS002 (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 and/or 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 and/or 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.	

	Reference No. MSS003 (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 graphical symbol 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.	

	Reference No. MSS004 (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 graphical symbol 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.	

	Reference No. MSS005 (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 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 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.	

	Reference No. MSS006 (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 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 before opening the electrical equipment for the purposes of maintenance, in the case of malfunction or when left unattended Related referents 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.	

	Reference No. MSS007 (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 Responsible persons ensuring that the people undergoing treatment by visible or invisible rays are wearing opaque eye protection Related referents ISO 7010-M004, ISO 7010-M013, ISO 7010-M019 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.	

	Reference No. MSS008 (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 graphical symbol 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.	

	Reference No. MSS009 (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 graphical symbol 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.	

	Reference No. MSS010 (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 --- 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.	

	Reference No. MSS011 (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 three dashes, 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 when having finished 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.	

	Reference No. MSS012 (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.	

	Reference No. MSS013 (ISO 7010-M013)
	Referent Wear face shield
	Function To signify that face shield must be worn
	Image content Human head (left hand profile) wearing face shield
Hazard Flying objects/particles Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing face shield Related referents ISO 7010-M004, ISO 7010-M007, 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 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.	

	Reference No. MSS014 (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 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.	

	Reference No. MSS015 (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 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.	

	Reference No. MSS016 (ISO 7010-M016)
	Referent Wear a mask
	Function To signify that 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 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 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.	

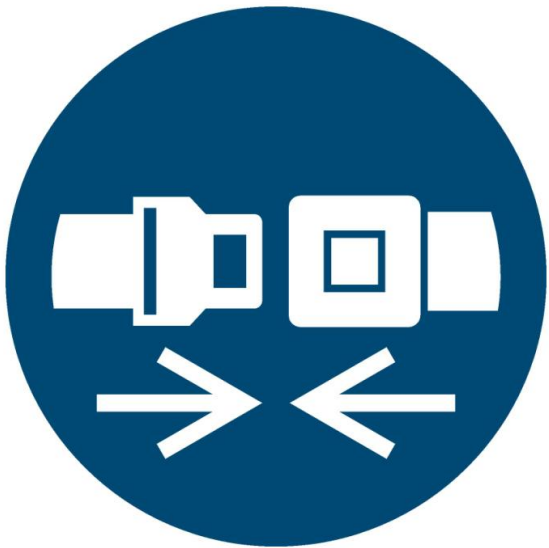
	Reference No. MSS017 (ISO 7010-M017)
	Referent Wear respiratory protection
	Function To signify that respiratory protection must be worn
	Image content Human head (front view) wearing respiratory protection
Hazard Harmful substances (e.g. noxious gases) Human behaviour that is intended to be caused after 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 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.	

	Reference No. MSS018 (ISO 7010-M018)
	Referent Wear 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 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 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.	

	Reference No. MSS019 (ISO 7010-M019)
	Referent Wear 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 welding mask	
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 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.	

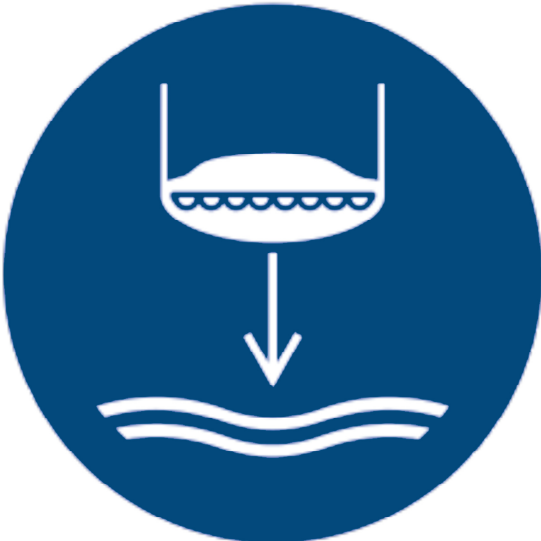
	Reference No. MSS020 (ISO 7010-M022)
	Referent Use barrier cream
	Function To signify that the skin has to be protected with an appropriate barrier cream
	Image content Human hand, tube, wavy line
Hazard Damage to the skin Human behaviour that is intended to be caused after understanding the safety sign's 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.	

	Reference No. MSS021 (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.	

	Reference No. MSS022 (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, plant, lifeboat, or equipment Human behaviour that is intended to be caused after understanding the safety sign's meaning Wearing safety belts Related referents MSS023, MSS024, MSS025, MSS027, MSS028, MSS029, MSS030, MSS031 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. Fasten Seat belts	

	Reference No. MSS023 (ISO 7010 M037)
	Referent Close hatches
	Function To signify hatches on a lifeboat, or fully enclosed rescue boat, must be closed
	Image content Stylized hand with four fingers around a hatch handle with arrow pointing to right above an arrow curving to clockwise
Hazard Hatches must be closed on a lifeboat or rescue boat to prevent the ingress of water and potentially maintain a secure internal environment in the case of an evacuation during a fire Human behaviour that is intended to be caused after understanding the safety sign's meaning Hatches will be closed at the appropriate time in the sequence of events during launch of a lifeboat or rescue boat. Related referents ISO 7010-M020, MSS025, MSS026, MSS028 through MSS032 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. Close hatches	

	Reference No. MSS024 (ISO 7010 M038)
	Referent Start engine
	Function To signify the location of the engine starter or to signify the lifeboat or rescue boat engine must be started
	Image content Handcrank and arrow curved in clockwise direction
Hazard No propulsion at the time of need. Human behaviour that is intended to be caused after understanding the safety sign's meaning The engine(s) will be started at the appropriate time in the sequence of events during launch of a lifeboat or rescue boat. Related referents ISO 7010-M020, MSS025, MSS026, MSS028 through MSS032 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. Start engine	

	Reference No. MSS025 (ISO 7010 M039)
	Referent Lower to the water (lifeboat)
	Function To signify the lifeboat is to be lowered, or the location of the control to lower lifeboat to the water
	Image content Lifeboat suspended on two falls above an arrow pointed downward above rippling water surface
Hazard The lifeboat is not lowered at the appropriate time Human behaviour that is intended to be caused after understanding the safety sign's meaning The lifeboat is lowered at the appropriate time Related referents MSS022, MSS023, MSS024, MSS028, MSS029, MSS030, MSS031 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. Lower to the water	

	Reference No. MSS026 (ISO 7010 M040)
	Referent Lower to the water (liferaft)
	Function To signify a liferaft must be lowered or the location of the control to lower liferaft to the water
	Image content Liferaft on single fall above an arrow pointed downward above rippling water surface
Hazard A liferaft is not lowered at the appropriate time Human behaviour that is intended to be caused after understanding the safety sign's meaning A liferaft is lowered at the appropriate time Related referents MSS028 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. Lower to the water	

	Reference No. MSS027 (ISO 7010 M041)
	Referent Lower to water (rescue boat)
	Function To signify the rescue boat must be lowered or the location of the control to lower rescue boat to the water
	Image content Stylized rescue boat suspended on two falls with human figure pulling another figure from water with two rippling waves above an arrow pointed downward above rippling water surface
Hazard The rescue boat is not lowered to the water at the appropriate time Human behaviour that is intended to be caused after understanding the safety sign's meaning The rescue boat is lowered to the water at the appropriate time Related referents MSS024, MSS028 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. Lower to the water	

	Reference No. MSS028 (ISO 7010 M042)
	Referent Release falls
	Function To signify the lifeboat or rescue boat falls are to be released or the location of the control to release falls
	Image content Hook on a pivot attached to a triangular frame superimposed over rippling water surface and below a fall ring partially out of frame; segmented arrow curving counterclockwise
Hazard The lifeboat or rescue boat release hook will not be released from the fall or falls Human behaviour that is intended to be caused after understanding the safety sign's meaning The lifeboat or rescue boat will be released from the fall or falls and so be detached from the ship Related referents MSS022, MSS023, MSS024, MSS025, MSS026, MSS027, MSS028, MSS029, MSS030, MSS031 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. Release falls	

	Reference No. MSS029 (ISO 7010 M043)
	Referent Start water spray
	Function To signify the water spray system for a lifeboat is to be energized or the location of the control to start water spray system
	Image content Nozzle with six lines of dots (5, 4, 3, 3, 4, 5) in a radial pattern above a stylized lifeboat
Hazard Fire Human behaviour that is intended to be caused after understanding the safety sign's meaning The water spray system is energized Related referents MSS022, MSS023, MSS024, MSS025, MSS028, MSS030, MSS031 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.	
Start water spray	

	Reference No. MSS030 (ISO 7010 M044)
	Referent Start air supply
	Function To signify the self-contained air support system is to be energized or the location of the control to start the air supply system
	Image content Stylized perspective view of a bellows with three arrows at the nozzle pointing away in a radial pattern
Hazard Fire or hazardous atmosphere Human behaviour that is intended to be caused after understanding the safety sign's meaning The air supply is started inside the lifeboat. Related referents MSS022, MSS023, MSS024, MSS025, MSS028, MSS029, MSS031 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.	

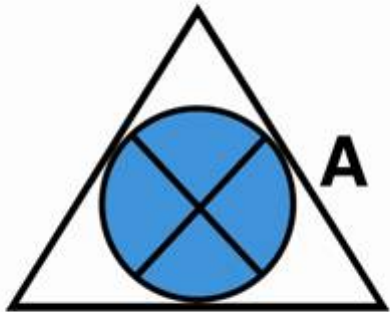
	Reference No. MSS031 (ISO 7010 M045)
	Referent Release lifeboat gripes
	Function To signify the lifeboat gripes are to be released or the location of the control to release lifeboat gripes
	Image content Bow view of a lifeboat suspended on a fall in a davit with a stylized gripe surrounding the boat; segmented arrow pointing at the release point of the gripe
Hazard The gripes of a lifeboat fail to be released and the boat will not be detached from its launching appliance Human behaviour that is intended to be caused after understanding the safety sign's meaning The gripes of a lifeboat are released allowing the lifeboat to be lowered on its falls. Related referents MSS022, MSS023, MSS024, MSS025, MSS028, MSS029, MSS030 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. Release lifeboat gripes	

Table 11 — Fire control plan signs (SIS)

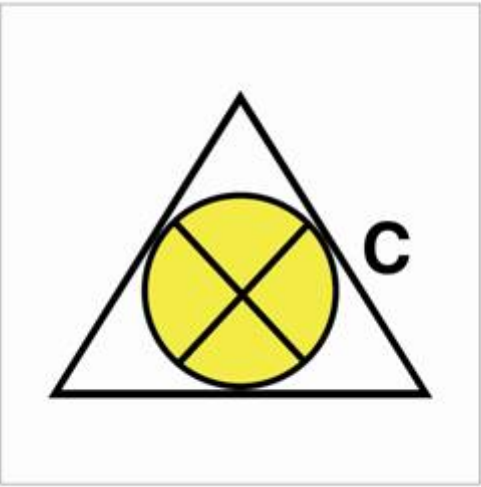
	Sign Reference No. SIS001
	Description Fire control plan
	Function To signify the location of the Fire control plan
	Other references: See figure A.2.1 ISO 17631
Additional Information; Symbol to provide crewmembers and firefighters critical details on the location of fire fighting equipment and other systems than can be utilized to stop or reduce the spread of fire and smoke Finding the location of a fire plan in the event of an emergency Related signs --	

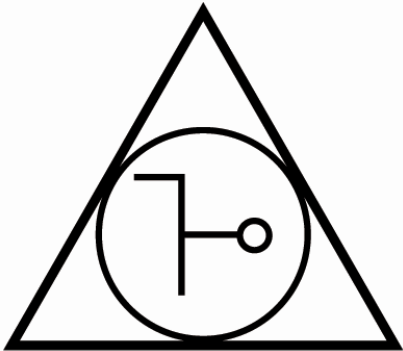
	Sign Reference No. SIS002
	Description Safety Plan
	Function To signify the location of a Safety plan
	Other references; See figure A.4.1 ISO 17631
Additional information Symbol to provide crewmembers and firefighters critical details of the location of life-saving appliances and means of escape in the event of an emergency Related signs ---	

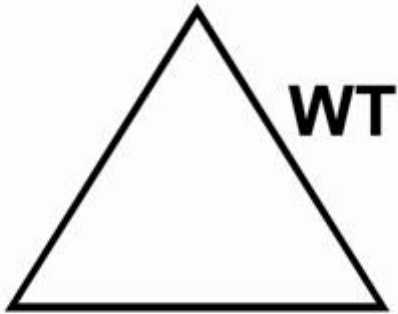
	Sign Reference No. SIS003
	Description Fire & Safety Plan
	Function To signify the location of a Fire & Safety plan
	Other references See figures A2.1. & A.4.1 ISO 17631
Additional information Symbol to provide crewmembers and firefighters critical details within a combined view of the location of fire fighting equipment and other systems than can be utilized to stop or reduce the spread of fire and smoke plus the location of life-saving appliances and means of escape in the event of an emergency. Related Signs ---	

	Sign Reference No. SIS004
	Description Ventilation remote control or shut off (Accommodation)
	Function To signify the location of a accommodation ventilation remote control or shut off
	Other references See figure A.1.12 ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of an accommodation space ventilation remote control or shut off in the event of an emergency. Smoke and/or fire will spread faster if air handling systems are not shut down Related Signs ---	

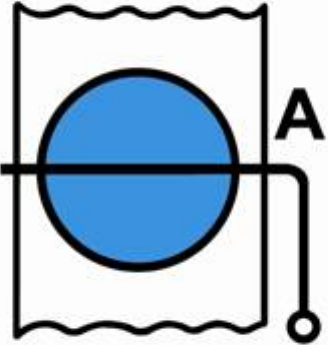
	Sign Reference No. SIS005
	Description Ventilation remote control or shut off (Machinery)
	Function To signify the location of a machinery-ventilation remote control or shut off
	Other references See figure A.1.12 ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of a machinery space ventilation remote control or shut off in the event of an emergency. Smoke and/or fire will spread faster if air handling systems are not shut down. Related Signs ---	

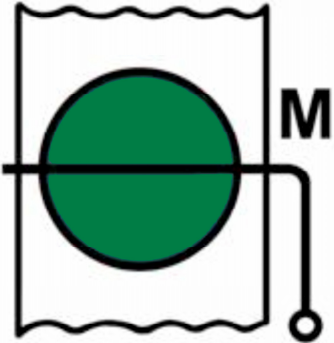
	Sign Reference No. SIS006
	Description Ventilation remote control or shut off (Cargo)
	Function To signify the location of a cargo ventilation remote control or shut off
	Other references See figure A.1.12 ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of a cargo space ventilation remote control or shut off in the event of an emergency. Smoke and/or fire will spread faster if air handling systems are not shut down Related Signs ---	

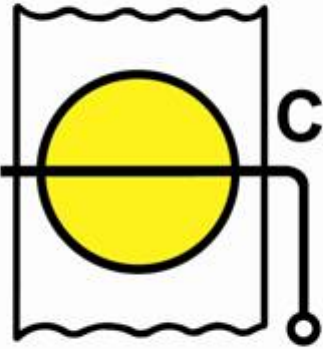
	Sign Reference No. SIS007
	Description Remote control for skylight
	Function To signify the location of a remote control for opening and closing a skylight
	Other references See A.1.13 of ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of a remote control for a skylight in the event of an emergency. An open skylight may present a means for fire and smoke to spread as well as provide an air source for an existing fire Related signs ---	

	Sign Reference No. SIS008
	Description Remote control for water tight doors
	Function To signify the location of a remote control for water tight doors
	Other references See figure A.1.14 ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of a remote control for water tight doors in the event of an emergency. In the event of flooding, water tight doors left open would allow uncontrolled flooding to occur between watertight compartments severely comprising stability of the vessel. If flooding has already begun, crewmembers may not be able to safely or timely reach a watertight door to close it locally, therefore power operated watertight doors have a means to be operated remotely. Related signs ---	

	Sign Reference No. SIS009
	Description Remote control for fire doors
	Function To signify the location of a remote control for fire doors
	Other references
Additional information Symbol to provide crew members and firefighters with the location of a remote control for fire doors in the event of an emergency. Fire and smoke will spread if fire doors are not closed in time increasing the risk of dangerous atmospheres and reduced visibility in the event of an evacuation. [In the event of fire and smoke, fire doors prevent their spread into adjoining zones. If a fire has started and there is significant chance of spreading, crewmembers may not be able to safely or timely reach a fire door to close it locally, therefore fire doors have a means to be closed remotely.] Relate signs ---	

	Sign Reference No. SIS010
	Description Fire damper (Accommodation)
	Function To signify the location of a fire damper in a ventilation duct serving an accommodation space
	Other references See figure A.1.15 ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of a fire damper in a ventilation duct serving an accommodation space in the event of an emergency. Smoke and/or fire will spread faster if fire dampers are not closed Related signs ---	

	Sign Reference No. SIS011
	Description Fire damper (Machinery)
	Function To signify the location of a fire damper in a ventilation duct serving a machinery space
	Other references See figure A.1.15 ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of a fire damper in a ventilation duct serving a machinery space in the event of an emergency. Smoke and/or fire will spread faster if fire dampers are not closed Related signs ---	

	Sign Reference No. SIS012
	Description Fire damper (Cargo)
	Function To signify the location of a fire damper in a ventilation duct serving a cargo space
	Other references See figure A.1.15 ISO 17631
Additional information Symbol to provide crew members and firefighters with the location of a fire damper in a ventilation duct serving a cargo space in the event of an emergency. Smoke and/or fire will spread faster if fire dampers are not closed Related signs --- .	