





#### Technical properties of photoluminescent safety signs

Quality, Standards & Certification:

- ® Everlux\* photoluminescent products are manufactured to the highest technical standards using state of the art equipment; thus ensuring we offer the best available photoluminescent quality for safety signs.
- ® Everlux® photoluminescent safety signs comply with IMO Resolutions, Solas Convention and ISO Standards.
- Everlux\* products have Type Approval by Lloyd's Register and are MED certified by DNV.

#### Technical Properties:

Luminance properties				
Applicable Standards and Resolutions/ product	Luminescent int (After removing	Period of light decay		
	10 minutes	60 minutes	Luminance Intensity greater than a 0.32 mcd/ m²	
DIN 67510-4 (R) (a)	23 mcd/m <sup>2</sup>	3 mcd/m <sup>2</sup>		
IMO Res. A.752(18)	15 mcd/m <sup>2</sup>	2 mcd/m <sup>2</sup>		
ISO 15370	15 mcd/m <sup>2</sup>	2 mcd/m <sup>2</sup>		
ℰ Everlux° (ы)	100 mcd/m <sup>2</sup>	10 mcd/m <sup>2</sup>	1200 minutes	
	40 mcd/m <sup>2</sup>	8 mcd/m <sup>2</sup>	1800 minutes	

a) class A

b) According to DIN 67510 measurement protocol;

c) According to ISO 15370 measurement protocol.

**Photoluminescent signs:** Photoluminescent rigid plastic  $1.2 \pm 0.1$ mm thickness and self-adhesive photoluminescent vinyl.

**Printing:** Serigraphy, high quality gloss paint with UV resistance and an indoor durability in excess of 5 years.

Fire resistance: Flame retardant according to IEC 60092-101: 2002 and IMO FTPC Part 5 (IMO Res. A.653(16)).

**Surface:** Antistatic and easy to clean.

Chemical characteristics: Non-radioactive, non-phosphorous, lead-free and non-poisonous.

#### Safety signage is a language comprised of pictorial graphics, shapes and colors.

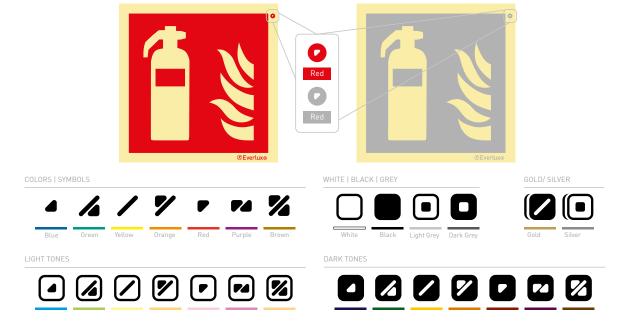


Color should be for everyone!

... and because colors are determinant in safety signs, ® Everlux® has associated with ColorAdd - the color identification system for colorblind people.

ColorAdd is a project which was developed with the goal of allowing colorblind people to correctly identify each color and therefore to contribute for their social integration whilst making communication more effective, responsible and inclusive. ColorAdd is an extremely intuitive symbolic language that uses the primary colors and their combination to create the entire colors/codes palette.

By including the ColorAdd system, the 🕏 Everlux® catalogue allows colorblind people to fully comprehend all the components of safety signs.



## 

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#### How to order

All  ${\mathfrak SEverlux}^\circ$  and  ${\mathfrak SEverlux}^\circ\text{-LLL}$  signs have a unique 5 digit code.

To order you need to indicate the following:

1.The product code;

2.The size (mm);

3. The type of sign (see page 5). If not indicated we will supply Type 1;

(\*)Example: (mm) 300x100 400x120 S 03 75

4.The material of the sign. Most of the **Everlux** signs are available in photoluminescent rigid plastic (F) and photoluminescent self-adhesive vinyl (Z). There are several product ranges with different base materials. The complete list of sign base materials is: F - photoluminescent rigid plastic; Z - self-adhesive vynil; O - white rigid plastic; V - white self-adhesive vinyl; VT - transparent self-adhesive vinyl PC - non-slip self-adhesive photoluminescent polycarbonate; T - aluminium composite; TA - transparent acrylic; FA - frosted acrylic; and SS - stainless steel.

(\*) The sign on this example is available in the following sizes 300x100 and 400x120; in Type 1, 2 or 3; and in photoluminescent rigid plastic and self-adhesive photoluminescent vinyl.

To order the above sign in 400x120, Type 1 and in photoluminescent rigid plastic you order: S 03 75 – 400x120 – Type 1 - F. It is also possible to order by IMPA or ISSA codes. Please refer to the cross reference guide on pages 97 – 102 to find the equivalent **Everlux**\* item code.

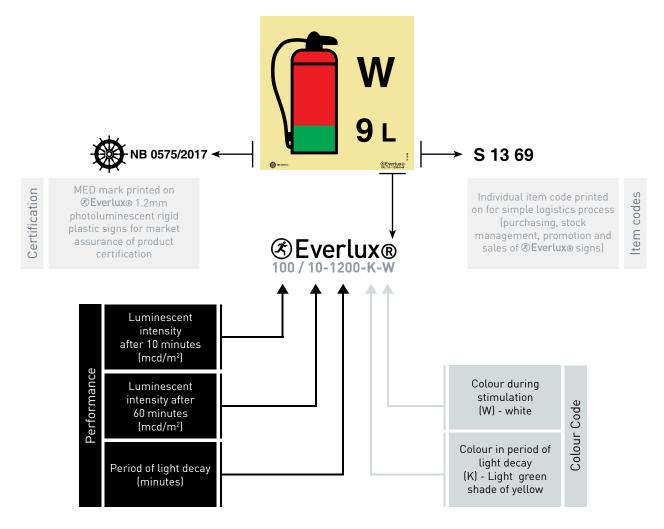


#### Introduction

#### Sign performance and technical properties

#### Technical guarantees for the market

The photoluminescent properties and performance values are printed on all **©Everlux**\* signs as per ISO and DIN Standards requirements. This provides consumers with the correct information and a guarantee of high quality. Please see the following example:



This brings the signs into alignment with other safety equipment where technical information is provided on the apparatus, e.g. extinguishers.

On all **Everlux** photoluminescent safety signs the technical properties are printed and illustrate their performance as per ISO and DIN Standards requirements. This helps specifiers and consumers to make informed decisions about the signs to be used.

The quality of **Everlux** safety signs is ensured by maintaining a continuous quality control system. All **Everlux** photoluminescent products have the Lloyd's Register Type Approval Certificate



and are certified by DNV according to MED.



The method of measuring the luminance performance according to ISO and DIN Standards is carried out in the laboratory, where all measuring equipment is calibrated by an accredited and independent official entity.



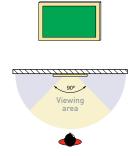
#### Different types of application - various alternatives for mounting signs

For an adequate use of signs they must be mounted according to the appropriate viewing angle.

#### Type 1 (single-sided)

Parallel wall mounted sign.



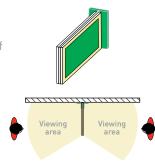


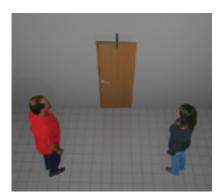


#### Type 2 (double-sided)

The signs are mounted perpendicularly to the wall by means of a flexible bracket. The bracket consists of a strip that enables the installation of double-sided signs in any location and was developed with the aim of allowing the sign to swing through 180° (+90° and -90°) without breaking.

Note: The bracket is always mounted to the left hand side of the sign, i.e.: Picture 1 - code S 04 21 Type 2; and in Picture 2 - code S 04 26 Type 2.





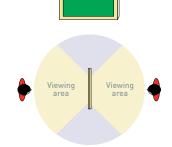






#### Type 3 (double-sided)

A Type 3 suspended double-sided sign is to be hung from the ceiling. The sign is supplied with holes drilled in the top corners which allow the appropriate fixings to be used (fixings not supplied).

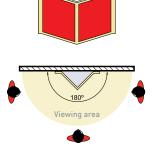




#### Type P (panoramic signs)

The sign with the greatest visibility. These signs are printed on both exterior surfaces and guarantee a viewing angle of 180°.







## Introduction

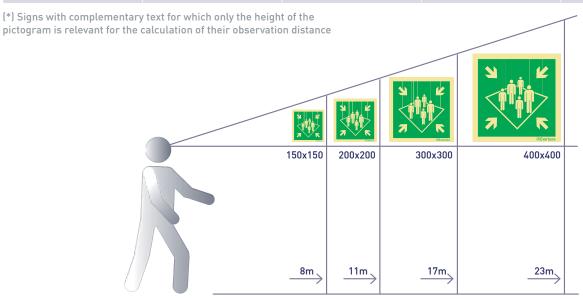
#### Sizes and viewing distances

The size of the sign is defined by the maximum viewing distance from which the sign is understandable. According to ISO 3864-1: 2011, the viewing distance at which a sign of a particular size is conspicuous and comprehensible depends on the illumination of the sign.

 $l = z_0 x h \label{eq:loss_problem} \\ \text{Where:} \ \ \begin{matrix} l \text{- is the observation distance (m);} \\ z_0 \text{- is the distance factor;} \\ h \text{- is the height of the sign (mm).} \end{matrix}$ 

#### Life-saving and emergency equipment, escape route and fire fighting equipment signs

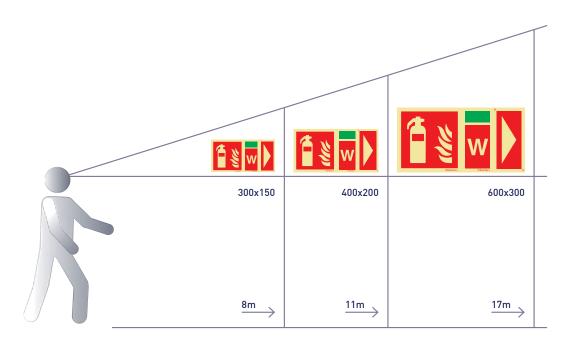
Geometric Shape	Meaning		h height of the sign (mm)	l observation distance (m)
		100x100	80	5
····		150x150	131	8
h h	(z <sub>0</sub> =60)	200x200	180	11
		300x300	278	17
		400x400	376	23
		150x50	36	2
		150x75	55	3
		200x50	36	2
		200x70	55	3
	Escape Route and Fire Fighting Equipment Signs (z <sub>o</sub> =60)	200x100	80	5
		300x70	57	3
		300x100	80	5
h h		300x150	129	8
		400x100	78	5
		400x120	98	6
		400x150	129	8
h		400x200	180	11
		450x150	129	8
		600x150	129	8
		600x200	180	11
		600x300	276	17
		150x200 (*)	129	8
		200x300 (*)	180	11
		300x400 (*)	276	17



Viewing distances



#### Life-saving and emergency equipment, escape route and fire fighting equipment signs

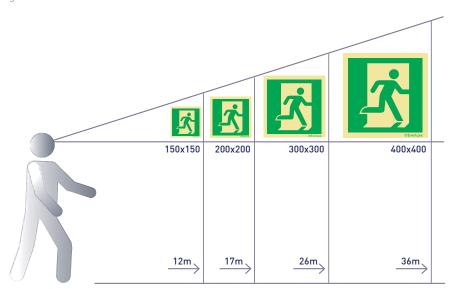


Viewing distances

#### **Exception signs**

Geometric Shape	Meaning	⊗Everlux° sign sizes (mm)	h height of the sign (mm)	( observation distance (m)
	z <sub>o</sub> =95 for S 04 61 and S 04 62 signs as per ISO 7010: 2011	150x150	129	12
		200x200	180	17
		300x300	278	26
		400x400	376	36

Note: The distance factor  $(z_p)$  is assumed as a general value of 60 as defined by ISO 3864-1:2011. For ISO 7010 - S 04 61 and S 04 62 emergency exit signs the recommended value of  $z_0$  is 95 considering an illuminance range between 5 and 100 lux. Over the illuminance range up to about 100 lux,  $z_0$ increases according to ISO 3864-1:2011.



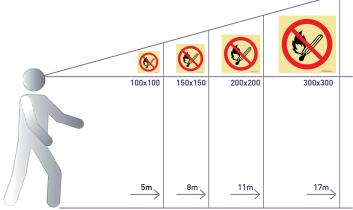
Viewing distances



#### Introduction

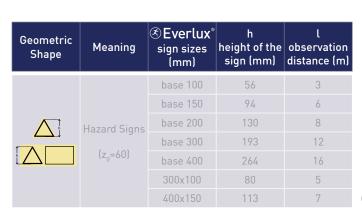
#### Mandatory and prohibition action signs

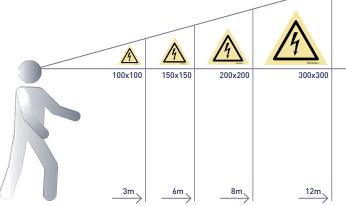
Geometric Shape	Meaning	<b>⊗Everlux</b> ° sign sizes (mm)	h height of the sign (mm)	l observation distance (m)
		100x100	80	5
	Prohibition	150x150	131	8
<b>U</b>	and	200x200	180	11
	Mandatory Action Signs	300x100	80	5
		300x300	278	17
	$(z_0 = 60)$	400x150	131	8
		400x400	376	23



Viewing distances

#### Hazard signs





Viewing distances

#### IMO's adoption of the ISO 24409 graphical symbols

On the 25th of November of 2016, IMO issued the MSC.1/Circ.1553 which states that: "The Committee, having noted that ISO had published its standard ISO 24409-2:2014,[...] which generally conforms to the corresponding symbols set out in the annex to resolution A.760(18), as amended, and the annex to resolution A.952(23), decided that the ISO standard 24409 series should be brought to the attention of Member States.

It is the intention of the Committee to prepare a revision of resolution A.760(18), which will incorporate the graphical symbols contained in the above-mentioned ISO standard, without any changes, for adoption by the Committee at its ninety-ninth session in 2018.

#### The transition:

Member States are invited to bring the ISO standard 24409 series to the attention of ship designers, shipbuilders, shipowners, ship operators, ship masters, shore-based firefighting personnel and other parties concerned, so that they may use it, on a voluntary basis, for shipboard signage, in compliance with the relevant requirements of SOLAS chapters II-2 and III, pending the adoption of the revised resolution.

#### Application on existing vessels:

Member States are also invited to note that existing ships may still use resolution A.760(18), as amended, for shipboard signage."

## The images below illustrate some of the graphical changes that have been introduced by ISO 24409: LOWER LIFERAFT TO WATER EMERGENCY ESCAPE BREATHING DEVICE (EEBD)









IMO symbol prior to ISO 24409 adoption

IMO symbol post ISO 24409 adoption

IMO symbol prior to ISO 24409 adoption

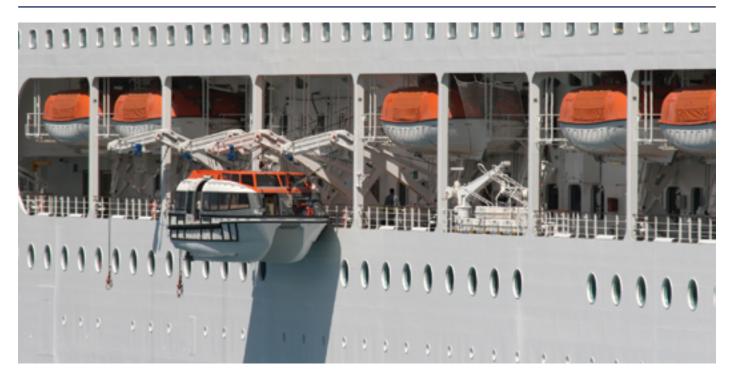
IMO symbol post ISO 24409 adoption

In order to assure compliance with the latest Standards and Regulations, Everlux\*safety signs have now been updated in compliance with ISO 24409 and are now featured in this catalogue. Furthermore, the Everlux\*catalogue makes use of several installation examples as defined as best code of practice by ISO 24409.

If you would like to receive more information on this update please e-mail us at: commercial@everluxmaritime.com

## Life-saving appliances **\Overline{\Omega}**

Life-saving appliance IMO signs - according to SOLAS Convention (Chap. III Reg. 9.2.3.) and ISO 24409





S 00 01









S 00 05











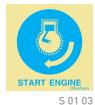














(mm) 150x150 200x200 300x300













Signs with symbols and supplementary

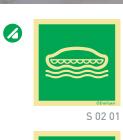
S 01 09

## **⋒** Life-saving appliances

Life-saving appliance signs - according to IMO Resolution A.760 (18), ISO 17631 and ISO 24409



(mm) 150x150 200x200 300x300





































































S 02 32

S 02 33

## Life-saving appliances **\Overline{\Omega}**

**2** 

Life-saving appliance signs - according to IMO Resolution A.760 (18), ISO 17631 and ISO 24409



S 02 51









(mm) 150x150 200x200 300x300







S 02 52























































Non-standard Life-saving appliance IMO signs

















S 14 63 S 14 64

4 65 S

## Life-saving appliances

#### **Emergency equipment signs**

Emergency equipment must be installed on board and their location should be clearly signed for quick identification in case of need. For example, the automated external defibrillators (AED) are being increasingly used as means of assistance to victims of cardiac arrest. Several countries already provide that AED be used on board. The MCA - Maritime and Coastguard Agency - recommends that UK-flagged ships carry AED (MGN 297 (M)); whilst in Germany, the use of AED in some German-flagged ships is mandatory according to Ordinance for the Medical Care on Seagoing Vessels, issued by the BG for Transport and Traffic, and to Guideline No. 3, issued by the Sanitation Ship Committee of German Federal States.

Since the chance of survival for cardiac arrest victims significantly increases with a prompt response, the quick identification of AED equipment is vital. The identification of these equipments must be made using photoluminescent signs.

(mm) 150x150 200x200 300x300 400x400



















S 03 05



S 03 06





















(mm) 300x100 400x150



















































Safe for

S 03 54







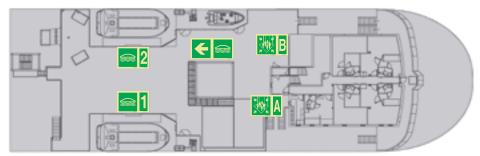


12

## Escape route signs 🛠

#### Muster Station and Embarkation Station signs

The objective of the escape route signing system is to ensure that a sign or a series of signs is provided and placed so that a person is directed along the escape route from any space within a ship or a marine installation towards an assembly station or embarkation station. The signing system should be designed based on the means of escape plan, assembly station plan, and lifesaving plan. It should provide simple information that will make it easy to identify the means of escape provisions, allow people to escape with minimum assistance and avoid possible points of confusion.















(mm) 150x150 200x200 300x300 400x400



**MUSTER** 



S 03 71





S 03 72

(mm) 300x100 400x120









**STATION** 



S 03 79























S 03 85







As illustrated above, whenever the assembly stations are in a different location of the embarkation stations, the signing system should include egress route identification signs marking unambiguously the evacuation route from the assembly stations to the embarkation stations. This should be done with the adequate survival craft directional signs.











(mm) 300x100 400x120

S 03 91









S 03 95

LIFEBOAT

S 03 96



## Escape route signs

#### Deck and Stair identification signs



(mm) 300x100 400x150 600x200





Number and letter supplementary signs for marking life-saving appliances and for other identification requirements

(mm) 75x150 100x200 150x300 200x400



















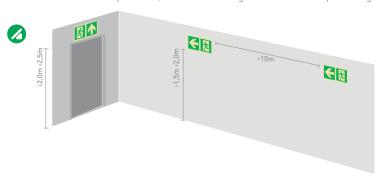


#### Escape route signs according to ISO 24409 and EN ISO 7010

Escape route signs take priority over any other signs. These should be installed at consistent intervals of up to 15m in order to make it easier for evacuees to predict the location of the next evacuation sign.

Escape route signs should be installed at the center line over the doors at a height between 2.0m and 2.5m from the deck to the base of the sign in order to assure visibility from any foot traffic area. The escape route signs that are to be installed on bulkheads should be installed between 1.5m and 2.0m. As far as it is possible, installation heights should be kept throughout the escape route.

(mm) 300x150 400x200 600x300











S 04 26

S 04 27

S 04 28

S 04 29

S 04 30

## Escape route signs 🛠

#### Escape route signs according to ISO 24409 and EN ISO 7010







(mm) 300x100 400x150 600x200







S 04 35

S 04 43



S 04 41





S 04 44

S 04 36

S 04 45







S 04 48

**EMERGENCY ESCAPE** 





S 04 42







(mm)

S 04 51

S 04 52

S 04 53

S 04 54

S 04 55

300x150

S 04 56









(mm) 150x150 200x200 300x300 400x400













Escape route signs for people with reduced mobility









(mm) **2** 150x150 (\*)150x200 200x200 (\*)200x300 300x300

(\*) S 04 75

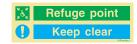
(\*) S 04 76

(\*) S 04 93

(\*) Only available in this size









(mm) (\*)300x100 300x150 (\*)400x150 400x200 (\*)600x200 600x300





(\*) S 04 91



(\*) S 04 92



(\*) Only available in this size









## ☆ Escape route signs

#### Escape door mechanism signs

(mm) 70x200 100x240(\*) 100x300

(\*) Only available in this size



U

S 05 01





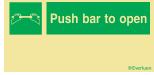






(mm) 300x150 400x200 600x300





S 05 11



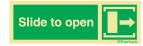
(mm) 200x70(\*) 300x100 400x120 600x200(\*\*)

(\*) (\*\*) Also available in this size

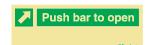




(\*) S 05 15



(\*) S 05 16



(\*\*) S 05 17



(\*) S 05 18



(\*) S 05 19

(mm) 200x50 300x70 400x100





S 05 25

(mm) 100x100(\*) 150x150 200x200 300x300 400x400(\*\*)

(\*) (\*\*) Also available in this size





(\*\*) S 05 36



(\*) S 05 32



(\*\*) S 05 37



(\*\*) S 05 33



S 05 38



(\*\*) S 05 34



S 05 39



(\*\*) S 05 35



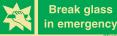
S 05 40



S 05 41

(mm) 200x70 300x100 400x120





S 05 51



In case of fire break glass

S 05 52



S 05 53



S 05 54

(mm) 150x200 200x300 300x400

16







S 05 62





S 05 64

#### IMO fire control signs - according to IMO Resolution A.654 (16)



Safety and operating instructions for trained personnel (SIS) - As per ISO 24409, SIS signs are safety-related signs that replicate the symbols used in the Fire Control Plans and are used to provide safety and operational instructions for trained personnel that can be either crew members or external personnel that may need to come on-board.



(mm) 150x150 200x200



S 10 01 Fire control plan



S 10 02 Push-button/ switch for fire alarm



S 10 03 Horn fire alarm



S 10 04 Bell fire alarm



S 10 05 Manually operated call point



S 10 06 Space protected by automatic fire alarm



S 10 07 Fire alarm panel



S 10 08 Sprinkler installation



S 10 09 Space protected by sprinkler



S 10 10 Sprinkler section valve



S 10 11 Sprinkler horn



S 10 12 CO<sub>2</sub> battery



Space protected by  $CO_2$ 



S 10 14 CO<sub>2</sub> horn



S 10 15 CO, release station



S 10 16 Halon 1301 battery



S 10 17 Space protected by halon 1301



S 10 18 Halon horn



S 10 19 Halon release station



S 10 20 Halon 1301 bottles placed in protected area



S 10 21 Powder installation



S 10 22 Powder monitor (gun)



S 10 23 Powder hose and handgun



S 10 24 Powder release station



S 10 25 Foam installation



S 10 26 Foam monitor (gun)



S 10 27 Foam nozzle



S 10 28 Space protected by foam



S 10 29 Foam valve



S 10 30 Foam release station



S 10 31 Hose box with spray/jet fire nozzle



S 10 32 th International shore



S 10 33 Fire pump



Emergency fire pump

S 10 34

M.F.P. E.F.P. E.S.

S 10 35 Remote control fire pumps or emergency switches



S 10 36 Bilge pump



S 10 37 Emergency bilge pump



S 10 38 Water monitor (gun)

## Fire

#### IMO fire control signs - according to IMO Resolution A.654 (16)

(mm) 150x150 200x200







S 10 39 Water fog applicator



S 10 40 Drenching installation



S 10 41 Fire mains with fire valves

S 10 47

Powder fire

extinguisher - 2Kg



S 10 42 Section valves drenching system



S 10 43 Powder portable fire extinguisher – 6Kg



S 10 44 Foam portable fire extinguisher – 9L



S 10 50 CO<sub>2</sub> wheeled fire extinguisher – 30Kg



S 10 48 Powder fire extinguisher – 1Kg



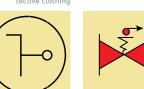
S 10 49 Powder wheeled fire extinguisher - 50Kg

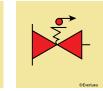


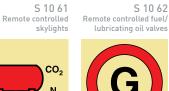
S 10 56 Primary means of



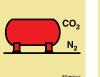
S 10 55 Locker for pro-







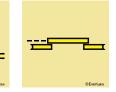
S 10 68



S 10 67 CO<sub>2</sub> / nitrogen bulk installation



Emergency generator



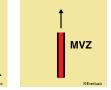


Remote ventila-



S 10 73 B class fire door

S 10 74 B class sliding fire door



S 10 80 Main vertical zone



S 10 45 Halon 1211 portable fire extinguisher – 4Kg

S 10 51

S 10 57

Secondary

S 10 63

Control station

means of escape

Fire damper in vent duct



CO<sub>2</sub> portable fire extinguisher – 2Kg

S 10 52

S 10 58

S 10 64

Portable foam applicator

Space protected by

drenching system

Fire station



S 10 53 Locker with fireman's outfit

S 10 59

S 10 65

S 10 71

self-closing

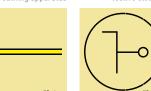
A class fire door

Inert gas installation

A class division



S 10 54 Locker with additional breathing apparatus



S 10 60 B class division

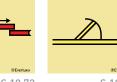




High expansion foam supply trunk

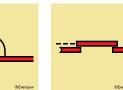


S 10 72 A class sliding door self-closing





S 10 79 tion shut off



D

F

S 10 69 A class fire door

S 10 75

closina

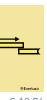
B class fire door self-



S 10 76 B class sliding fire door self-closing







S 10 70

S 10 77 Closing appliance for exterior ventilation inlet or outlet



S 10 78 Emergency switchboard



#### IMO fire control signs - according to IMO Resolution A.654 (16)



S 10 81 Smoke detector



S 10 82 Heat detector



S 10 83 Gas detector



S 10 84 Flame detector



S 10 85 Emergency telephone station



S 10 86 Fire axe



(mm) 150x150 200x200

#### IMO fire control signs - according to IMO Resolution A.952 (23), ISO 17631 and ISO 24409



S 12 01 A-class division



S 12 02 B-class division



S 12 03 Main vertical zone



S 12 04 A-class hinged fire door



(mm) 150x150 200x200



WT

S 12 05 A-class watertight fire door



S 12 06 A-class semi-watertight fire door



S 12 07 B-class hinged fire door



S 12 08 B-class watertight fire door



S 12 11

A-class watertight

self-closing fire door

S 12 12 A-class semi-watertight self-closing fire door



S 12 13 B-class hinged self-closing fire door



S 12 14





B-class watertight self-closing fire door



B-class semi-watertight

**SWT** 

S 12 09

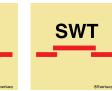
S 12 15 B-class semi-watertight self-closing fire door



S 12 10

A-class hinged self-closing fire door

S 12 16 S 12 17 A-class watertight sliding fire door A-class sliding fire door



S 12 18 A-class semi-watertight sliding fire door



S 12 19 B-class sliding fire door



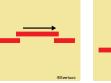
S 12 20 B-class watertight



sliding fire door



S 12 21 B-class semi-watertight sliding fire door



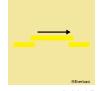
S 12 22 A-class self-closing sliding fire door



S 12 23 A-class self-closing watertight sliding fire



S 12 24 A-class self-closing semi-watertight sliding



S 12 25 B-class self-closing sliding fire door



S 12 26 B-class self-closing watertight sliding fire



S 12 27 B-class self-closing semi-watertight sliding fire door



S 12 28 Ventilation remote control shut-off for accommodation and



5 12 29 Ventilation remote control shut-off for machinery spaces



S 12 30 Ventilation remote control shut-off for cargo spaces



S 12 31 Remote control for skylight



S 12 32 Remote control for watertight doors

## Fire

#### IMO fire control signs - according to IMO Resolution A.952 (23), ISO 17631 and ISO 24409

(mm) 150x150 200x200



















Remote control for fire

S 12 33

doors

S 12 39 ventilation inlet or



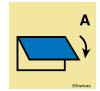
S 12 34 Fire damper for accommodation and service spaces



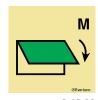
S 12 35 Fire damper for machinery spaces



S 12 36 Fire damper for cargo spaces



S 12 37 Closing device for ventilation inlet or outlet for accommodation and service spaces



S 12 38 Closing device for ventilation inlet or outlet for machinery spaces



Remote control for closing device(s) for ventilation inlet and



Closing device for outlet for cargo spaces



S 12 40 Remote control for fire damper(s) for accommodation and service spaces



S 12 41 Remote control for fire damper(s) for machinery spaces



Remote control for fire damper(s) for cargo spaces



Remote control for closing device(s) for ventilation inlet and outlet for accommodation and service spaces



S 10 34

Emergency fire pump



S 12 45 Remote control for closing device(s) for ventilation inlet and outlet for cargo spaces



S 12 46 Fire protection appliances or structural fire protection plan



S 12 47 Remote control for fire pump(s)



S 10 33 Fire pump(s)



Remote control for emergency fire pump or fire pump supplied by the emergency source



S 12 56 Remote control for lube



S 12 51 Fuel pump(s) remote



S 12 52 Lube oil pump(s) remote



S 12 53 Remote control for bilge pump(s)



S 12 54 Remote control for emergency bilge pump





S 12 62 Powder remote release



S 12 57 Remote control for fire pump valve(s)



S 12 58 CO<sub>2</sub> remote release



S 12 59 Nitrogen remote release



S 12 60 Foam remote release



Sprinkler-section valve



S 12 67



S 12 68 Powder-section valve



S 12 63 Water remote release



S 10 32 International shore connection



S 12 65 Fire hydrant



S 12 66 Fire main section valve

#### IMO fire control signs - according to IMO Resolution A.952 (23), ISO 17631 and ISO 24409



S 12 69 Foam-section valve



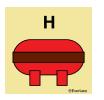
S 12 70  ${\rm CO_2}$  fixed fire-extinguishing installation



S 12 71 Nitrogen fixed fire-extinguishing installation



S 12 72 Foam fixed fire-extinguishing installation



S 12 73 Gas fixed fire-extinguishing installation



S 12 74 Powder fixed fire-extinguishing installation





(mm) 150x150 200x200



S 12 75 Water fixed fire-extinguishing installation



S 12 76 CO<sub>2</sub> fixed fire-extinguishing battery



S 12 77 Nitrogen fixed fire-extinguishing battery



S 12 78 Foam fixed fire-extinguishing battery



S 12 79 Gas fixed fire-extinguishing battery



S 12 80 Powder fixed fire-extinguishing battery



Water fixed fire-extinguishing battery



S 12 82 CO<sub>2</sub> fixed fire-extinguishing bottle,



S 12 83 Nitrogen fixed fire-extinguishing bottle, placed in protected area



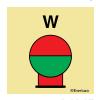
S 12 84 Foam fixed fire-extinguishing bottle, placed in protected area



S 12 85 Gas fixed fire-extinguishing bottle,



Powder fixed fire-extinguishing bottle, placed in protected area



S 12 87 Water fixed fireextinguishing bottle, placed in protected area



S 12 88 High-expansion-foam supply trunk (outlet)



S 10 40 Water-spray-system



S 10 65 Inert gas installation



S 12 91 Foam monitor



S 12 92 Powder monitor



S 12 93 Water monitor



S 12 94 Foam fire hose and nozzle



S 12 95 Powder fire hose and nozzle



S 12 96 Water fire hose and nozzle



S 12 97 Portable foam applicator unit or relevant spare tank(s)



S 12 98 Fire locker



S 12 99 Spaces or group of spaces protected by CO, fire-extinguishing system



S 13 00 Spaces or group of spaces protected by foam fire-extinguishing system



S 13 01 spaces protected by gas fire-extinguishing



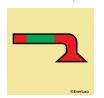
S 13 02 Spaces or group of Spaces or group of spaces protected by powder fire-extinguishing system



S 13 03 Spaces or group of spaces protected by water fire-extinguishing system



S 13 04 Spaces or group of spaces protected by sprinkler or high pressure fire-extinguishing system



S 13 05 Water fog applicator



S 10 68 Emergency source of electrical power (generator)



S 13 07 Emergency source of electrical power (battery)



S 10 78 Emergency switchboard



S 13 09 Air compressor for breathing devices



S 13 10 Control panel for fire system



#### IMO fire control signs - according to IMO Resolution A.952 (23), ISO 17631 and ISO 24409

(mm) 150x150 200x200





S 10 02 Push button/switch for general alarm



S 13 12 Manually operated call point



S 13 13 Space or group of spaces monitored by smoke detector(s)



S 10 82 Space or group of spaces monitored by heat detector(s)



S 13 15 Space or group of spaces monitored by flame detector(s)



S 10 83 Space monitored by gas detector(s)

#### IMO fire control signs - fire extinguisher according to IMO Resolution A.952 (23) and ISO 17631

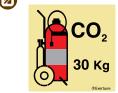
(mm) 150x150 200x200























S 13 54



















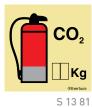


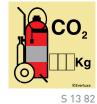


(mm) 150x150 200x200



Ø



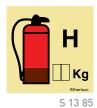


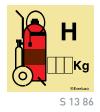






These signs with fire extinguisher symbols are according to IMO and ISO Standards and can be customized with the appropriate extinguisher agent













S 13 90

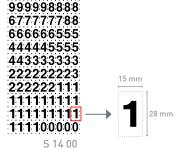
capacity

#### IMO fire control signs - fire extinguisher according to IMO Resolution A.952 (23) and ISO 17631

These sheets are available in two different formats: one format contains the same digit and the other contains multiple digits. The sheets in single digit format are available with numbers 1 to 0. There are 90 numbers supplied on each sheet. The multiple digit sheet contains the most commonly used numbers in greater quantities and should allow the identification of up to 24 fire extinguishers.

(mm) 15x28 A4 page





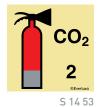
111111111	000000000
111111111	000000000
111111111	00000000
111111111	000000000
111111111	000000000
111111111	 000000000
111111111	000000000
111111111	000000000
111111111	00000000
111111111	00000000
S 14 01	S 14 10

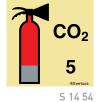
### Non-standard Fire Control IMO signs





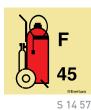
(mm) 150x150 200x200





































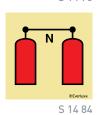




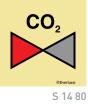


S 14 76





**NOVEC** S 14 79







23

## **1** Fire

#### Fire-fighting equipment signs in compliance with ISO 24409 and EN ISO 7010



(mm) 150x150 200x200 300x300











S 16 06

























(mm) 100x200 150x300 200x400











Fire fighting equipment signs

(mm) 100x300



To indicate when an extinguisher is missing a sign can be placed on the wall behind the extinguisher that displays the telephone number of the service agent or supplier



#### Supplementary Signs, Combination Signs and Multiple Signs



Supplementary signs provide complementary information and will extend the safety message communicated by the referent of a given safety sign. There are supplementary explanatory signs, supplementary directional arrow signs and supplementary identification signs. When a safety sign is used in conjunction with a supplementary sign, that conjunction becomes a combination sign. The example on the left hand side uses a fire extinguisher sign together with several supplementary signs.



When a text supplementary sign is used then it should use the languages that are appropriate to the service of the ship and the working language on-board the vessel as illustrated in this example using a fire extinguisher identification supplementary sign with English and Russian text.

#### Fire fighting equipment signs with supplementary text





(mm) 150x200 200x300 300x400

(mm) 75x150 100x200 150x300













Numbers and other supplementary signs for marking fire fighting equipment and other identification requirements





## Fire

#### Fire extinguisher identification signs

(mm) 75x200





3

 $\odot$ 



A Safe for: Wood, paper and textiles.

B Saf

No Liv

No.

S 17 52











**S**[









S 17 51



A Safe for: Wood, paper and textiles. S 17 54

Safe for: Gaseous fires. **S** Not for: Flammable liquids. S 17 55

S 17 56

**(S)** S 17 57

S 17 58 S 17 59

(mm) 150x100 200x150







S 17 76













S 17 73







(8) No Ga



S 17 77

S 17 78

S 17 74

S 17 79

S 17 75

#### Numbered fire extinguisher identification signs

(mm) 150x120















S 17 95



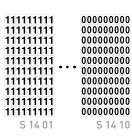


S 17 94

(mm) 15x28

A4 page







#### Fire alarm signs







(mm) 150x150 200x200 300x300



Fire alarm call point In case of fire break glass S 18 03



S 18 02

S 18 04

S 18 05







S 18 06

S 18 07

S 18 08







(mm) 150x200 200x300 300x400

S 18 21

S 18 22

S 18 23

#### Signs for lifts

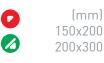
























Im Brandfall In case of fire Aufzug nich

Use the









S 18 48

S 18 50

S 18 46

27

### Fire

#### Signs with supplementary text

(mm) 200x70(\*) 300x100 400x120

(\*) Also available in this size



S 19 01



Fire extinguisher Keep clear

S 19 02



For use on flammable liquid fires

S 19 05



Fire hose Keep clear

S 19 08



Fire alarm call point

(\*) S 19 11



Fire hydrant

S 19 14



Wet riser

(\*) S 19 17



Open this valve in the event of fire

S 19 20



Fire fighting equipment stored inside

S 19 23



Fire flap

S 19 26



Fire telephone

(\*) S 19 29



Fire alarm control panel

S 19 32



For use on any fires

S 19 03



Fire hose

S 19 06



Open valve before running out hose

S 19 09



In case of fire break glass

(\*) S 19 12



Fire hydrant keep clear

S 19 15



Sprinkler stop valve

(\*) S 19 18



Foam inlet

S 19 21



To be used only in the case of fire

S 19 24



Fire pump

S 19 27



Area equipped with fixed fire extinguishing system

S 19 30



Manual control of fixed fire extinguishing system

S 19 33



For use on electrical fires

S 19 04



S 19 07



Fire alarm

S 19 10



Fire point

S 19 13



Open valve in case of fire

S 19 16



Sprinkler control valve

S 19 19



Fireman's suit

S 19 22



Area with smoke detectors

S 19 25



Fire pump start button

S 19 28



Fire Plan

S 19 31



Fire blanket

S 19 34



#### Low Location Lighting system

The spreading of smoke is one of the most dangerous consequences of a fire rendering evacuation difficult and in some cases impossible. Under these conditions, visibility is reduced causing panic and increasing the evacuation time which is a critical factor in avoiding intoxication which can lead to death.

The \*Everlux\* Low Location Lighting (LLL) system is a unique system that allows all evacuation routes to stay illuminated, thereby communicating a clear, continuous and unambiguous "means of escape" message which leads to a safe place. The locations of fire fighting equipment are also clearly marked as part of the system along the escape routes.

This LLL system is unique in providing consistent and regular information throughout the complete escape route. This reduces possible confusion and panic, factors that hamper the safe egress from occupied areas.

According to IMO Resolution A. 752 (18) all means of egress must be marked with Low Location Lighting system at all points of the evacuation route. The LLL system is also recommended by ISO Standards, namely ISO 15370. The illustration below depicts a complete safety signage system installed on board:



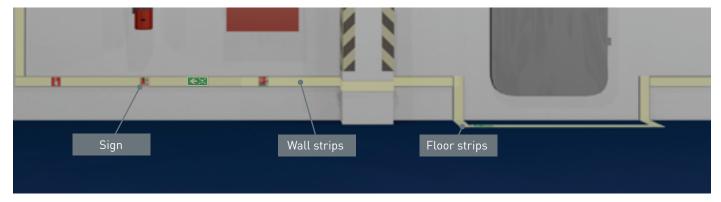
- 🖎 Photoluminescent signs installed at a high location level (above 2m) are to be visible and identified from further distances.
- 📵 Photoluminescent signs installed at an intermediate location level. Per ISO 24409 fire-fighting equipment signs shall be installed either directly on the fire-fighting equipment or as close as practicable.

Recommended range for signs with text providing information and/or instructions to the user.

● - Photoluminescent signs at a low location level (within 30cm from deck according to SOLAS 2004 Chapter II Regulation 13.3.3.5 and ISO 15370): a sign system that illuminates the entire escape route and identifies the location of fire fighting equipment at floor level.

The components of the ® Everlux® Low Location Lighting system are:

- Photoluminescent rigid plastic strips and signs to be applied on walls.
- Floor marking strips: 0.3mm thick non-slip photoluminescent self-adhesive marking strips and signs to be applied directly to the floor.



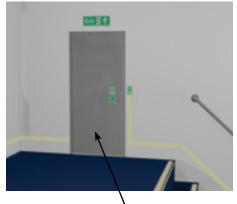


## Example

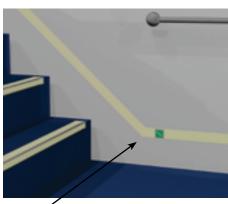
Escape doors must be signed as illustrated.

Stairs and corridors which are 2m wide or more should be fitted with LLL photoluminescent strips on both sides.

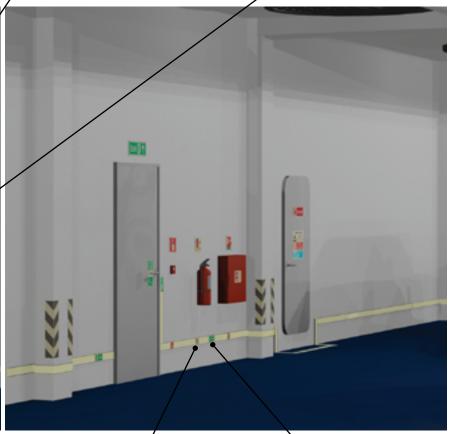
Photoluminescent directional signs must be placed at each change of level.

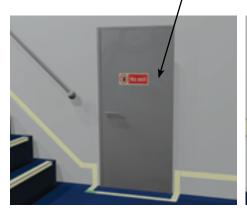




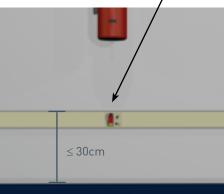




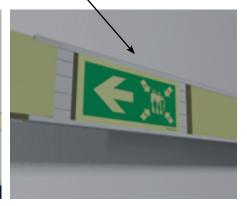




Non-escape doors must be signed as illustrated.



According to Solas 2004 Chapter II Regulation 13.3.3.5 and IMO Resolution A.752 (18) photoluminescent marking strips must be placed not more than 30cm above the deck at all points of the escape route.



Directional escape route signs complement the continuous photoluminescent strip installed in aluminium rail.

#### Normative and legal framework, technical performances and properties

Guidance systems at floor level (Low Location Lighting) began with legislation covering the areas of greatest risk. Firstly in aviation with FAA in 1984 and then in the maritime industry with IMO Regulations in 1989.

Since 1999, following the development of new photoluminescent technologies, other authorities have begun the process of standardising these systems.

	IMO Resolution A.752 (18)	Guidelines for the evaluation, testing and application of low-location lighting on passenger ships	
lards	SOLAS Convention 2004	Means of escape - Marking of escape routes	
Standards	European Directive 2002/25/EC	Safety rules and standards for passenger ships	
Important	ISO 15370	Low Location Lighting (LLL) on passenger ships	
	ISO 16069	SWGS - Safety Way Guidance Systems	
	ISO 3864	Graphical symbols - safety colours and safety signs	

#### ® Everlux® Low Location Lighting Strip and Sign System:

The strip and sign system can be mounted directly to walls using the ® Everlux® adhesive or with the aluminium frames. According to IMO A.752 (18) his system shall be positioned in the following way, throughout the escape routes:

- Where a corridor has a width of 2m or more the guidance line shall be applied continuously on both sides of the corridor.
- Where the width is less than 2m, one guidance line may be sufficient and should be as continuous as possible on the side where the fire fighting equipment is located. If there is no fire fighting equipment the strips should be applied continuously on the side that leads to the door handle.
- The strips should not be installed more than 30cm above deck.

#### ® Everlux\*-LLL Strip and Sign System for Floors and Stairs:

The strip and sign system can be placed directly onto floors and stairs using the integral high adherence adhesive. Simply remove the backing material and position accurately.

Luminance Properties				
Applicable Resolutions and	Luminance Intensity (mcd/m²)	Period of Light Decay		
Standards/ Product	10 minutes	60 minutes	Luminance Intensity greater than a 0.32 mcd/ m <sup>2</sup>	
IMO Resolution A.752(18) a)	15 mcd/m²	2.0 mcd/m <sup>2</sup>		
ISO 15370 a)	15 mcd/m²	2.0 mcd/m <sup>2</sup>		
ℰ Everlux° a)	40 mcd/m <sup>2</sup>	8 mcd/m <sup>2</sup>	1800 minutes	
	80 mcd/m <sup>2</sup>	10 mcd/m <sup>2</sup>	1000 minutes	

a) Values obtained with a stimulation of only 25 lux, during 24 hours with a fluorescent lamp with colour temperature of 4000K, according to ISO 15370 measurement protocol. b) Values obtained with a stimulation of only 25 lux, during 15 minutes with a fluorescent lamp with colour temperature of 6500K, according to ISO 16069 measurement protocol.

All signs have a high photoluminescent intensity which is achieved with as little as a 25 lux charge from an ambient light source

#### **Base Materials:**

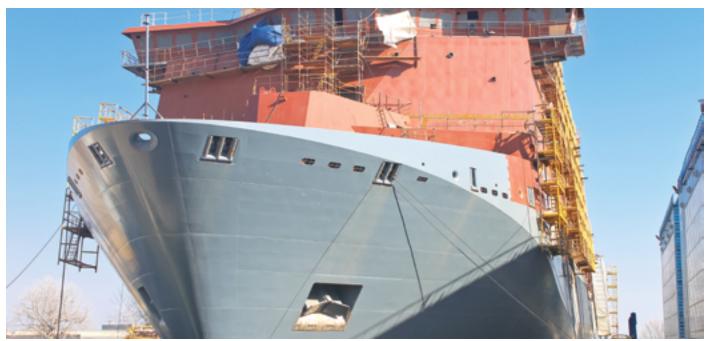
Signs and strips for wall mounting: Photoluminescent rigid plastic 1.2mm thick; photoluminescent self-adhesive vinyl; Signs and strips for floors and stairs: Photoluminescent non-slip self-adhesive polycarbonate 0.3mm thick; Transparent vinyl signs are also available to complement the ® Everlux° Low Location Lighting system.

**Printing:** Serigraphy, high gloss paint with a high UV resistance.

Chemical Characteristics: Non-phosphorous, non-radioactive, lead-free and non-poisonous.



#### Turnkey safety signage projects



® Everlux® adopts an integrative approach to every safety signage project the company is involved with from project development through to installation and project delivery. When hiring ® Everlux° for a turnkey safety signage project, customers benefit from a high quality on time service which includes on-board and remote surveys, life-safety and fire control plan and Low Location Lighting project development using the ® Everlux® Project maritime tool, supply, installation, on-board luminance measurements, project management, documentation and delivery.





#### Photoluminescent low location lighting system inspections and measurement service

® Everlux° has the Approval as Service Supplier by DNV for photoluminescent Low Location Lighting measurements. Our technicians are available worldwide to help you meet the classification bodies' requirements in a fast and cost-effective way. The inspection and measurement reports on photoluminescent LLL systems are mandatory according to IMO Resolution A.752 (18), adopted on 4 November 1993. These guidelines cover the approval, installation and maintenance of low location lighting (LLL) required by regulations II-2/28, paragraph 1.10 and II-2/41-2, paragraph 4.7 of the 1974 SOLAS Convention, as amended, on all passenger ships carrying more than 36 passengers, to readily identify the passengers' route of escape when the normal emergency lighting is less effective due to smoke.

According to IMO Resolution A.752 (18), chapter 9, a maintenance of LLL systems should be visually examined and checked once a week and a record kept. All missing, damaged or inoperable LLL components should be replaced.

DNV-GL

All LLL systems should have their luminance tested at least once every five years.

Readings should be taken on site. If the luminance for a particular reading does not meet the requirement of these quidelines, readings should be taken in at least ten locations equally spaced apart in the space. If more than 30% of the readings do not meet the requirements of these guidelines, the entire LLL system should be replaced.

If between 20% and 30% of the readings do not meet the requirements of these guidelines, the LLL system should be checked again in one year or may be replaced.

For detailed information on the & Everlux° turnkey safety signage project service or on the mandatory requirements, inspection and measurement reports of photoluminescent LLL systems, please contact us at commercial@everluxmaritime.com.



#### Everlux® project maritime



® Everlux° project maritime is a software support tool for the development of safety signage and Low Location Lighting (LLL) projects and respective bill of quantities. This tool facilitates the most adequate selection of safety signs and provides installation companies with the right technical documentation to assure that the safety signs that are projected will be installed onboard simultaneously reducing the installation time.

® Everlux° project maritime is available in two different versions: version 2.5 and version 2.5i. In terms of hardware both versions can be used with 64 bit processors. The 2.5 version works on AutoCAD (post 2008 versions except AutoCAD LT) and after its installation will automatically generate a tool bar with the ® Everlux° project maritime menu.

The 2.5i version is an independent application that allows the use of image files (type \*.dxf; \*.jpg; \*.bmp; \*.png) as the basis for the safety signage project.

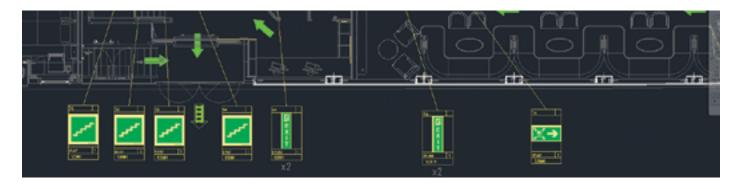
® Everlux® project maritime is available for free download at: www.everluxmaritime.com/en/downloads

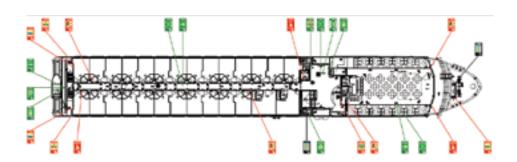
#### Quick life-safety and fire control plan development





#### Quick Low Location Lighting project development and automated BOQ creation







#### Signs for wall marking at floor level

(mm) 107x57 158x83



The signs featured in this page can be supplied in photoluminescent rigid plastic, self-adhesive photoluminescent vinyl and transparent self-adhesive vinyl signs. The transparent self-adhesive vinyl signs are a quick solution to complement Low Location Lighting systems by applying them directly on to the photoluminescent strips.











Escape route signs with symbols according to ISO 7010 and BS 5499



S 20 07











(mm) 57x57 83x83





















(mm) 57x57





S 20 49















83x83





S 20 50







S 20 45











(mm) 107x57

158x83





S 20 61

(mm) 107x57 158x83









S 20 67

(mm) 57x200 83x300





S 20 71

S 20 72

(mm) 57x57 83x83







S 20 81

S 20 82

34

#### Strips for wall marking at floor level





(mm) 1000x35 1000x57 1000x83

Marking strips for walls and stair risers









(mm) 800x35 800x57 800x83 2000x35 2000x57 2000x83

#### Rolls for wall marking

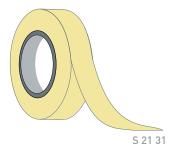
The ® Everlux° photoluminescent vinyl rolls can be used in wall mounted LLL systems and are the ideal solution for applications in irregular or rounded walls. This product can also be used for emergency equipment marking and handrail identification.

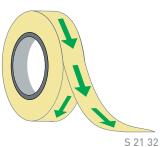


length (m)







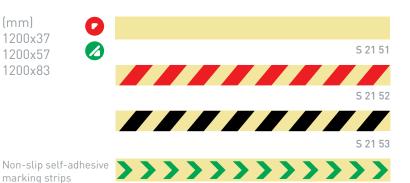


width (mm) 35 57 83



#### System for floor and stair marking

(mm) 1200x37 1200x57 1200x83





(mm) 107x57

158x83 Non-slip









self-adhesive signs













Non-slip

18 units)

self-adhesive discs for floors (1 sheet of



























#### **ℰ Everlux**-LLL Footprint silhouettes

Photoluminescent footprint silhouettes are ideal for indicating the direction and outline of evacuation routes. Available in left and right silhouettes to be used alternately, 🟵 Everlux LLL Footprint Silhouettes are made from self-adhesive, anti-slip polycarbonate which is only 0.03mm thick.





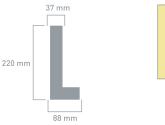


# Low Location Lighting



### Non-slip self-adhesive "L" for stairs







Designed to mark the edges of the steps. Supplied in sheets of 4 units (two signs per

In every flight of steps, the limits of the first and the final steps should be fully signed. You should use the strips code S 21 51

### Stairnosing - protection for steps

Aluminium framework developed for stair nosing protection. This product has anti-slip properties, even in situations where oil has been spilt, due to the grooves featured over the whole

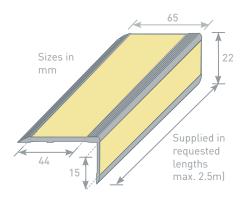
On the upper and front parts there are @ Everlux\*-LLL photoluminescent polycarbonate strips which also have anti-slip properties. These allow the perfect identification of the edge of the steps during a descending or ascending evacuation.

#### **Properties**

Materials: Aluminium and & Everlux-LLL in 0.3mm thick polycarbonate.

Sizes: Please refer to the technical drawings.

The ® Everlux® protection for steps is supplied with double-sided high adherence adhesive which allows an easy application.

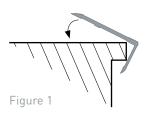


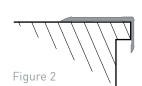


Protection for steps

S 21 90

Join the frame at two points, as in scheme 1, then rotate towards the riser until it is firmly adhered (scheme 2).





### **■** Panoramic signs

### Fire equipment and evacuation

(mm) 100x100(\*) 150x150 300x300





S 25 01



S 25 02



S 25 03





S 25 12



S 25 13



S 25 14



S 25 15



S 25 16





S 25 19

(mm) 150x200 200x300 300x400





S 25 61



S 25 71



S 25 72



S 25 73



S 25 74

(mm) 100x200 150x300 200x400





S 26 01



S 26 02



S 26 03



S 26 04



S 26 06



S 26 07

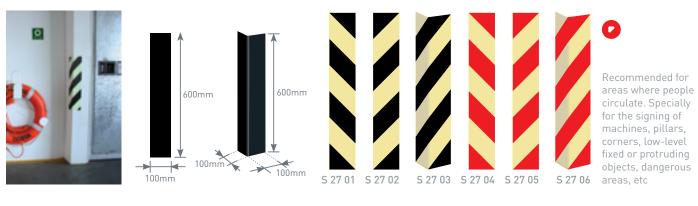


S 26 08



S 26 09

### Photoluminescent marking strips to sign dangerous areas



### To highlight obstacles, dangerous places and safe areas

As referenced in ISO 24409 - 1, ISO 384 -1 specifies the following colour combinations for the layout of safety markings:

To indicate the location of hazards, e.g. obstacles or changes of level, or slippery surfaces.

To indicate prohibited areas or the location of fire fighting equipment.

To indicate safe areas or the location of emergency equipment.

To indicate mandatory instructions - e.g. "keep clear".

To identify the exact location of fire fighting equipment (effective alternative but not included in



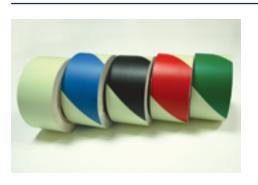


10 10

Photoluminescent

(mm) 1000x35 1000x57 1000x83

rigid plastic strips S 27 15





length (m) 10

> width (mm) 35 57 83

Photoluminescent self adhesive vinyl

### Self-adhesive reflective hazard warning strips to sign obstacles

Recommended for vehicle circulation areas to mark obstacles such as pillars and maximum height restrictions.









(mm) 680x50 680x100 680x150 680x200

S 27 31

S 27 32

S 27 33

5 27 34

### 

#### General warning signs

(mm) 100x100 150x150 200x200 300x300(\*)

(\*) Also available in this size



S 30 01



S 30 02



S 30 03



S 30 04



S 30 05



S 30 06



S 30 07



S 30 08



(\*) S 30 09



S 30 10



S 30 11



S 30 12



S 30 13

(mm) 300x100 400x150



S 30 51

S 30 55



Danger

S 30 52



S 30 53



S 30 54







Danger loving machinery

S 30 56



S 30 57



S 30 58







Danger Men working below

S 30 60



S 30 89



S 30 61







S 30 63

Danger **Asbestos** 

S 30 64

S 30 88



S 30 65







Danger Lift well

S 30 87

**Danger** No escape



S 30 66



S 30 67



Caution Exhaust fumes

S 30 68





Danger Hot surface

S 30 70



S 30 71



Danger of death

S 30 72

S 30 76

S 30 80



S 30 73



S 30 74



Caution Explosion gases

S 30 75

S 30 79

**Danger** Explosive material

**Danger** Compressed gases

S 30 77



**Danger** Compressed oxygen

S 30 78



Caution Slip hazard



Caution Wet deck

Caution

Slippery surface S 30 81



Caution Trip hazard

S 30 82



Caution Mind the step



Danger Uneven surface



Warning Mind your head



Warning Deep step

S 30 83

S 30 84

S 30 85

S 30 90

### Warning signs 🛕

#### General warning signs



(\*) S 31 01



S 31 02



S 31 03



S 31 04



S 31 05



S 31 06

(mm) 100x100 150x150 200x200 (\*)300x300

(\*) Also available in this size



S 31 07



(\*) S 31 08



S 31 09



S 31 10



S 31 11



S 31 12



Danger High voltage

S 31 51



**Danger** Electrical hazard







S 31 53

(mm) 300x100 400x150







Danger 110 volts

S 31 55

S 31 59

S 31 63

S 31 66

S 31 70

S 31 89



S 31 56



S 31 57



Danger 220 volts



Danger 380 volts

Danger 440 volts





S 31 61





S 31 62

S 31 65

S 31 69

S 31 73

S 31 88

S 31 78

S 31 92



Danger Live terminal







S 31 67

S 31 71

S 31 75

S 31 90

S 31 60



Danger Electrocution risk

S 31 87



**Danger** Flammable liquid



Danger Highly flammable material



Danger Fire risk



Danger Highly flammable gases

S 31 68



Danger mmable atmospher



Danger P. G. Flammable



**Danger** ow flash point



Danger **Toxic** 

S 31 72



**Danger** Chlorine



Danger Harmful vapours S 31 74



Danger Harmful chemicals



Danger Cyanide

S 31 76



**Toxic Fumes** 



Toxic Gases



Danger Toxic vapours



Danger Acid

S 31 77



Danger Battery acid



Danger orrosive substance



Danger Caustic S 31 80



Sulphuric acid

S 31 91

S 31 95

S 32 02



**Hydrochloric** acid



Nitric acid



Caustic



High risk



Hazard Group 1



Hazard Group 2



Hazard Group 3



Warning

S 31 96

S 31 97

S 31 93



S 31 94

### 

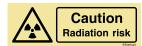
#### General warning signs

(mm) 300x100 400x150









S 31 99



Danger Biological hazard

S 32 00

S 31 84

S 32 12

S 32 16

Danger of infection

Caution Non-ionizing radiation

S 31 82

S 31 86

S 30 54

S 30 79

S 31 85

### Deck, engine room and galley warning signs

(mm) 100x100 150x150 200x200





(mm) 300x100 400x150



S 32 01





S 32 13



S 30 55









S 32 15









S 30 70 Caution

Noise

S 31 81















#### Accommodation warning signs

(mm) 300x100 400x150















S 32 72

S 32 75











Accommodation signs are only available in white rigid plastic and white self-adhesive vinyl

S 32 76

(mm) 73x200



Push



Push



### Mandatory signs **Q**

(mm)

(\*)80x80

100x100

150x150

200x200 (\*\*)300x300

#### Fire and watertight door signs



43

## Mandatory signs

### Personal protective equipment signs



100x100 150x150 200x200 300x300(\*)

(\*) Also available in this size



(\*) S 35 01



(\*) S 35 02



(\*) S 35 03



(\*) S 35 04



(\*) S 35 05



(\*) S 35 06



(\*) S 35 07



S 35 08



S 35 09



S 35 10



S 35 11



S 35 12



(\*) S 35 13



S 35 14





(\*) S 35 16



S 35 17



(\*) S 35 18



S 35 19



S 35 20



S 35 21



S 35 22



S 35 23



S 35 24

### Mandatory signs **Q**

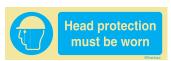
(\*) Also available in this size

(mm)

300x100

400x150 (\*)600x200

#### Personal protective equipment signs



(\*) S 35 51



Eye protection must be worn in this area

(\*) S 35 54



Ear protection must be worn

(\*) S 35 55



Respirators must be worn

S 35 56



Hand protection must be worn

(\*) S 35 58



Lift correctly

(\*) S 35 66



Wear face shield

S 35 73



Wear safety harness

S 35 74



High visibility clothing must be worn beyond this point

S 35 77



Switch off after use

S 35 80



To be used by trained and authorised personnel only

S 35 83



Wear mask

S 35 68



This is a safety helmet area

S 35 52



Eye protection is provided for your safety and must be worn

S 35 60



Ear protection must be worn in this area

S 35 62



Wear respirator

S 35 64



Wear gloves

S 35 65



Now wash your hands

S 35 71



Face protection must be worn when welding

S 35 86



Protective clothing is provided for your safety and must be worn

S 35 75



Wear laboratory coat

S 35 78



Keep locked

(\*) S 35 81



Oil spill equipment stored inside

S 35 88

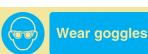


S 35 69



Eye protection must be worn

(\*) S 35 53



@Ewer

S 35 61



Wear ear protection

S 35 63



Masks must be worn when working here

(\*) S 35 57



Protective footwear must be worn

(\*) S 35 59



Use adjustable guard

S 35 72



Face protection must be worn in this area

S 35 87



Wear protective clothing

(\*) S 35 76



Wear welding mask

(\*) S 35 79



Sound horn

S 35 82



Wear helmet

S 35 67



Boots must be worn

S 35 70

To ensure the correct use of protective wear, mandatory signs must be used. Mandatory actions must be marked with mandatory signs

### Mandatory signs

#### Personal protective equipment signs

(mm) 300x100 400x150





S 35 89



S 35 84



S 35 90



S 35 92



S 35 91



S 35 85

### ISPS Code mandatory signs

(mm) 300x100 400x150

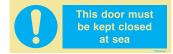




S 36 01



S 36 03



S 36 06



S 36 02



S 36 04



S 36 07



S 36 05



Persons entering this

area must comply with

safety regulations

**Purifiers room** 

Keep this

door closed

This hatch must

be kept locked

S 36 16

S 36 19

S 36 22

S 35 95

S 36 08

### Deck and engine room mandatory signs

(mm) 300x100 400x150





S 36 11



S 36 13



S 36 17



S 36 20



S 35 93





S 36 14

S 36 12



S 36 18



S 36 21



S 35 94





Ice and snow

be prevented

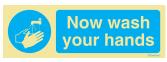
S 35 97

S 35 98

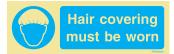


### Mandatory signs **Q**

#### Galley mandatory signs



S 35 71



S 36 46



S 36 45



S 36 49



S 36 52



S 36 56



S 36 59



S 36 62



S 36 42



S 36 43



S 36 47



S 36 50



S 36 53



S 36 57



S 36 60



S 36 63



S 36 55





S 36 44



S 36 48



S 36 51



S 36 54



S 36 58



S 36 61



S 36 64

### Accommodation signs



Please close door quietly

(mm) 300x100 400x150 600x200



Only human waste and collet tissue to be flushed down these toilets S 36 82





These signs are only available in white rigid plastic and white self-adhesive vinyl

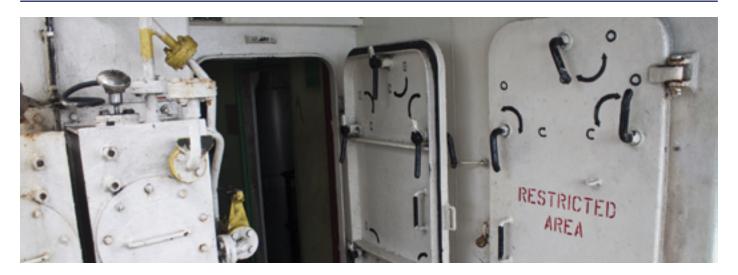
S 36 84

S 36 81



### **○ Prohibition signs**

### Signs to prohibit dangerous actions



(mm) 100x100 150x150 200x200 300x300(\*)

(\*) Also available in this size



(\*) S 38 01



(\*) S 38 02



S 38 03



S 38 04



S 38 05



S 38 06



S 38 07



S 38 08



S 38 09



S 38 10



S 39 01



S 39 02



S 39 03



S 39 04



S 39 05



S 39 06



S 39 07



S 39 08



S 39 09



S 39 10



S 39 11



S 39 12



(\*) S 39 13



S 39 14



S 39 15



S 39 16

### **Prohibition signs ○**

### Signs to prohibit dangerous actions



(\*) S 38 51



(mm) 300x100 400x150 (\*)600x200

(\*) Also available in this size



S 38 53

S 38 56

S 38 74



No smoking beyond this point

S 38 54



No naked lights

S 38 55



No naked flames

No hot work

No matches

S 38 73



No naked lights beyond this point

S 38 75

S 38 57



(\*) S 38 58



(\*) S 38 59



No access

S 38 60



S 38 61



S 38 62



No admittance

S 38 63

S 38 66



**Authorized** personnel only

S 38 64



S 38 65

S 38 68

S 38 71



No entry unauthorised personnel

No access to car deck while vessel is at sea

S 38 67



No unauthorized persons allowed beyond this point

rew only

S 38 69



Do not touch

S 38 70



Do not operate

Do not touch men working

S 38 72



Do not clean or oil this machine whilst in motion

S 38 76

Prohibiting dangerous behaviour limits potential risks

### Prohibition signs

#### Signs to prohibit dangerous actions

300x100 400x150





S 39 51



Do not drink



No mobile phones

S 39 53



Switch off mobile phones, pagers, cameras, etc

S 39 54



Do not remove guards

S 39 55

S 39 52



Do not use unless guards are in position

S 39 56



Do not switch on

S 39 57



Do not switch off

S 39 58



Do not switch on under maintenance

S 39 59



Unauthorised persons may not service machines

S 39 60



Fork-lift trucks prohibited beyond this point

S 39 61



Fork-lift trucks prohibited in pedestrian area

S 39 62



Do not open

S 39 63



Do not close

S 39 64



Do not watch the arc

S 39 65



No smoking, drinking or eating within this area

S 39 66



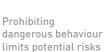
Do not carry out maintenance work on running machinery

S 39 67



Do not throw garbage overboard

S 39 68





S 39 69



Do not remove guards

S 39 70



No unauthorised person may touch this switch gear

S 39 71

### ISPS Code prohibition signs

(mm) 300x100 400x150





Restricted area No unauthorised entry

S 39 81



Restricted area Authorised personnel only

S 39 82



Restricted access

S 39 72



S 39 75



S 39 78



**Authorized** personnel only S 39 73

personnel only

**Authorized** 

S 39 76

S 39 83



No unauthorised persons beyond this point

Restricted

area

S 39 77

S 39 74



S 39 79

### **Prohibition signs ○**

#### Deck and engine room prohibition signs





(mm) 300x100 400x150





S 38 65



S 39 95

S 39 65

#### S 38 57

#### Galley prohibition signs



(mm) 300x100 400x150







S 40 04



### Accommodation prohibition signs



(mm) 300x100 400x150 (\*)600x200



This is a no smoking area

S 40 13

S 40 17



(\*) Also available in this size



Switch off mobile phones, pagers, cameras, etc

No smoking

in elevator

Do not drink

S 40 14



No workwear beyond this point

S 40 16



S 40 18

S 40 12

S 40 15



S 40 19



These signs are only available in white rigid plastic and white self-adhesive vinyl

S 40 20

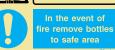
### **Quantity** Multipurpose combination signs

#### Multiple signage for danger, prohibition and obligation

(mm) 300x200











S 40 51

S 40 52

S 40 53







Caution

e all oxy/acety







S 40 55

S 40 56

S 40 57











**Danger** 

**Asbestos** 

Do not disturb







S 40 62

S 40 63

S 40 64

S 40 60

S 40 65

S 40 61

(mm) 300x400





S 40 71

S 40 72

(mm) 300x300









S 40 73 S 40 74 S 40 75 S 40 76

### Multipurpose combination signs **22**



(mm)

(mm)

300x300

Multiple signage for danger, prohibition and obligation







S 41 01









S 41 10 S 41 11 S 41 12 S 41 13

# Information signs

### Safety signs according to the ICAO and IMO Document 9636

(mm) 150x150 200x200 300x300 400x400

The ICAO and IMO joint publication Document 9636 specifies the signs to provide guidance information to persons at airports and marine terminals.

The "First Aid", "No Smoking", "No Entry/No trespassing" and "Carry no weapons on board" signs should be designed according to the colours specified in Section II of this publication whilst the colours of general information signs can be decided by national or local authorities keeping in mind that readability is of the foremost importance.









(mm) 150x150 200x200 300x300 400x400



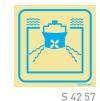


S 42 53

































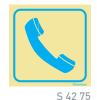




























S 42 84











54

### ISPS Code signs



#### Security Level signs

The & Everlux° Security Level signs are available in a photoluminescent magnetic finish. This is the ideal solution to secure adhesion to all suitable metallic surfaces. The magnetic finish also allows for the quick and easy change of security level indicator. The selling unit of this product is comprised of 4 components.



(mm) 200x180





S 42 10

S 42 13



S 42 11

Locked at SL 2 Locked at SL 3

(mm) 200x100

(mm)

300x200

S 42 12

Crew only access

### **Crew members only**

No admittance without the authority of a Ship's Officer.

Any unauthorised entry will be reported to the Port State Authorities.

S 42 20

O

#### Ultra-destructible seals



(mm) (\*)150x30 (\*\*)300x30

**NO ACCESS - NO ACCESS** 

(\*\*) S 42 26

**DO NOT ENTER - DO NOT ENTER** 

(\*) S 42 27

(\*) (\*\*) Only available in this

Only available in nonphotoluminescent ultra-destructible self-adhesive vinyl. Detailed technical sheet available on request.

### ISPS Code signs

#### ISPS compliant notices

(mm) 900x450





# THIS SHIP COMPLIES WITH THE I.M.O. ISPS CODE



STRICT SECURITY MEASURES & PROCEDURES ARE ENFORCED NO OFFENSIVE WEAPONS ALLOWED

VISITORS WILL BE MET ON DECK AND MUST REGISTER ONBOARD WITH A PHOTOGRAPHIC IDENTIFICATION DOCUMENT AND MAY BE SUBJECT TO PERSONAL OR BAGGAGE SEARCHES

YOUR CO-OPERATION IS EXPECTED IN COMPLIANCE WITH MARITIME SECURITY REQUIREMENTS

THE MASTER

S 42 30

(mm) 300x200



# RESTRICTED AREA AUTHORIZED PERSONNEL ONLY

UNAUTHORIZED PRESENCE WITHIN THIS AREA CONSTITUTES A BREACH OF SECURITY

S 42 31

**CCTV** signs

(mm) 150x150(\*) 200x300(\*\*) (\*) (\*\*) Only available in this size









(\*) S 42 42

(mm) 300x100





S 42 43

### Safety signs for super yachts 🚅



### excellence safety signs for super yachts



excellence by ® is a safety signage solution that creates an harmonious co-existence between the sign elements and the upscale environment, emphasising on the aesthetics and decorative style of the vessels. The structure of every excellence by ® sign is comprised of top quality and innovative materials.



(mm) 60x60

This sign range is distinct from other safety signs as the use of coloured pigments allows both the pictogram





















S 43 25

































S 43 19



































### Safety signs for super yachts

#### Life-saving appliances, fire, mandatory and prohibition signs

(mm) 50x50



















S 46 01



















































































S 43 68





















S 46 69

S 46 78



S 46 61

































Photoluminescent safety signs, in smaller dimension, according to MCA Large Commercial Yacht Code (LY3).



















(mm) 150x50





### Offshore wind - safety signs $\uparrow$





The Offshore Wind Industry has significantly expanded in the recent past. This is a unique industry with specific structures and vessels where service technicians and crews face equally unique hazards. The Everlux photoluminescent safety signs for the Offshore Wind Industry are the ideal solution to identify them.

### Warning signs







S 44 02



S 44 03



S 44 04

(mm) Diam. 80

Self-adhesive signs supplied in sheets of 12 units



(mm) 300x100



S 44 12



S 44 15



S 44 13



S 44 16



S 44 14



Only available in self-adhesive vinyl

S 44 17



S 44 32



S 44 33

(mm) base 150 base 200

Only available in self-adhesive vinyl



(mm) 200x300 300x400

Only available in rigid plastic and aluminium

S 44 36



### Offshore wind - safety signs

### **Prohibition signs**

(mm) Diam. 80

Self-adhesive sign supplied in sheets of 12 units



S 44 39

(mm) 300x100

Only available in self-adhesive vinyl



S 44 40



S 44 41



S 44 42

(mm) 200x200





Magnetic sign

S 44 49

### Mandatory and personal protective equipments signs

(mm) Diam. 80



Self-adhesive signs supplied in sheets of 12 units



S 44 52



S 44 53



S 44 54



S 44 55



S 44 56



S 44 57

(mm) 300x100

Only available in self-adhesive vinyl



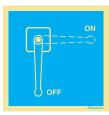
S 44 58

### Signs for manually operated devices

(mm) 150x150 200x150(\*)

(\*) Only available in this size

Only available in self-adhesive vinyl



S 44 61



S 44 62



(\*) S 44 63

### Emergency, fire and prohibition signs

(mm) 150x150 200x200 300x300 400x400 600x600





1

S 16 01



S 38 03

Only available in self-adhesive vinyl

### Offshore wind - safety signs $\uparrow$



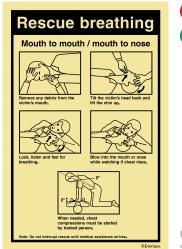
(mm)

200x300

### Safety procedures







Only available in self-adhesive vinyl

(mm)

200x150 (\*)200x300

S 44 73







S 44 77

Only available in self-adhesive vinyl

### Offshore wind - safety signs bilingual cross reference table

Supplementary texts in the following languages:			
EN	NO - EN	NL - EN	ES - EN
S4411	S4418	S4425	S4405
S4412	S4419	S4426	S4406
S4413	S4420	S4427	S4407
S4414	S4421	S4428	S4482
S4415	S4422	S4429	S4483
S4416	S4423	S4430	S4484
S4417	S4424	S4431	S4485
S4433	S4434	S4435	S4486
S4436	S4437	S4438	S4487
S4440	S4443	S4446	S4488
S4441	S4444	S4447	S4489
S4442	S4445	S4448	S4490
S4449	S4450	S4451	S4491
S4458	S4459	S4460	S4492
S4461	S4464	S4467	S4493
S4462	S4465	S4468	S4494
S4463	S4466	S4469	S4495
S4470	S4471	S4472	S4496
S4473	S4474	S4475	S4497
S4476	S4478	S4480	S4498
S4477	S4479	S4481	S4499

The **Everlux** safety signs for the Offshore Wind Industry are available in several bilingual supplementary text options: NO - EN, NL - EN and ES - EN. If you wish to order these signs in any of the bilingual options please refer to the item code cross reference table and use the respective sign code in your purchase order.

### 🕰 Water safety signs

#### Safety signs for water parks, swimming pools and beaches



Safety signage in water parks is very important due to the increase in the number of these infra-structures as well as the related number of serious accidents occuring in these areas. Safety signs should be used in water activity areas in order to alert its users to the rules in place and to any potential hazards, thereby consequently prevent dangerous behaviour. These signs are in compliance with ISO 20712-1 and BS 5499-11.

Our water safety signs are manufactured in 3mm thick white aluminium composite material and feature an anti-graffiti protective clear film. This film also provides signs with effective protection for outdoor installations, humid environments or in the presence of water containing a strong acid or alkaline content (eg: lime and chlorine).

#### **Prohibition signs**

(mm) 200x200 300x300 400x400(\*)

























(\*) S 45 16



(\*) S 45 17



(\*) S 45 12

S 45 18



S 45 19



S 45 14









S 45 21

### Water safety signs \_\_\_\_\_



### Warning signs





(mm) (\*)200x200 300x300 (\*) Also available

S 45 53

in this size





S 45 55



S 45 56

S 45 62







S 45 59













(\*) S 45 64 S 45 65











Mandatory signs









(mm)

200x200 300x300

S 45 81

S 45 82





Information signs









(mm) 200x200 300x300 (\*)400x400

(\*) Also available in this size

### **Temporary tie tags**



### Warning sign tags

(mm) 75x150



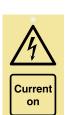
S 47 01



S 47 02



S 47 03



S 47 04



Irritant

S 47 05



Corrosive

S 47 06



Flammable

S 47 07



**Explosive** 

S 47 08



**Poison** 

S 47 09



Gas

S 47 10



S 47 11

### Prohibition sign tags

(mm) 75x150

All the  $\operatorname{\operatorname{\textcircled{-}Everlux}}^{\circ}$ 

tie tags have a clear

protective film which provides them with a rewritable feature





S 47 51



S 47 52



S 47 53



S 47 54



S 47 55



S 47 56



S 47 57



S 47 58



S 47 59



S 47 60



S 47 61



S 47 62



S 47 63

### Mandatory sign tags

(mm) 75x150







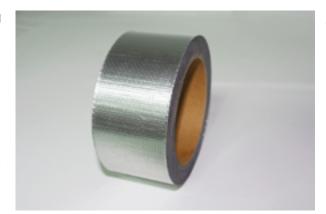


### Anti-splashing tape

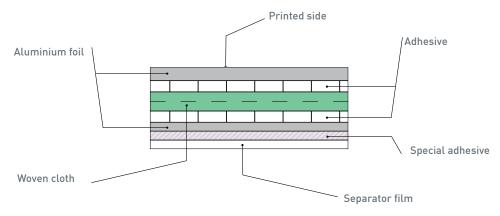


Anti-Splashing Tape Model N° 888FN was designed to protect pipeline installations against leakage and splashing of fuel oil, lube oil and other flammable oils. This tape is used for applications in the marine and offshore industries in screening of pipe joints, valves and fittings in accordance with SOLAS Consolidated Edition, 2004, Chapter II-2/ Regulations 4, item 2.2.5.3.

The Anti-Splashing Tape Model N° 888FN is available in tape format of various sizes versions and an adhesive agent is applied on one side and covered by separator film to ensure easy installation.



#### Tape components:



Aluminium foils are superimposed on both sides of the glass woven cloth together with a special acrylic adhesive agent to form a laminate structure.

The tape has the ship classification societies' logos printed on its surface to ensure the market of its full compliance with SOLAS regulations.

Specification of tape <sup>1</sup>			
For use:	On pipes and joints for heavy fuel oil		
Maximum temperature:	424° K (150 °C)		
Maximum pressure:	3.0 MPa (30 bar)		
Approved pressure:	1.5 MPa (15 bar)		

<sup>&</sup>lt;sup>1</sup> Reference - Details of approval by Lloyd's Register(LR)

Availability			
Reference:	Size (Width x Length) /Roll		
S 51 00	25mm x 10m		
S 51 01	35mm x 10m		
S 51 02	50mm x 10m		
S 51 03	100mm x 10m		
S 51 04	140mm x 10m		
S 51 05	250mm x 10m		
S 51 06	500mm x 10m		

### Pipe content identification

#### Pipe identification colour-coded tape according to ISO 14726:2008 and NORSOK L-004



length (m)

The ® Everlux® marking solution for piping systems is available in single colour and in multiple colour self-adhesive

The single colour (main colours which indicate a group of similar media) rolls can be combined in order to attain the colour coding that identifies specific contents. The multiple colour rolls are available with the different colour combinations for every specific pipe content and are



the ideal solution to save installation time. The ® Everlux\* marking solutions for pipe content identification are compliant with ISO 14726: 2008 and NORSOK



L-004.



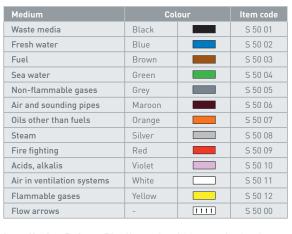






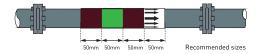








These self-adhesive vinyl rolls can be combined (additional colour) in order to attain the colour coding that identifies each specific content.



Installation Points: Pipelines should be marked at least once in each room; at each penetration point in bulkheads, walls and decks; close to each valve; within a distance of 3m to 5m of the length of the pipeline whereby local conditions may require more marking due to pipe bends or the close proximity of pipes for different services.

Sprinkler water

Fire-fighting powder

Fire-fighting foam

Spray water

Waste Media	Colours	Item codes
Black water		S 50 01 - S 50 02 - S 50 01
Waste oil/used oil		S 50 01 - S 50 03 - S 50 01
Bilge water		S 50 01 - S 50 04 - S 50 01
Exhaust gas		S 50 01 - S 50 05 - S 50 01
Grey water		S 50 01 - S 50 11 - S 50 01
Sewage, contaminated		S 50 01 - S 50 12 - S 50 01
Fresh Water	Colours	Item codes
Fresh water, sanitary		S 50 02 - S 50 03 - S 50 02
Potable water		S 50 02 - S 50 04 - S 50 02
Distillate		S 50 02 - S 50 05 - S 50 02
Gas-turbine wash water		S 50 02 - S 50 07 - S 50 02
Feed water		S 50 02 - S 50 08 - S 50 02
Cooling fresh water		S 50 02 - S 50 10 - S 50 02
Chilled water		S 50 02 - S 50 11 - S 50 02
Condensate		S 50 02 - S 50 12 - S 50 02
Fuel	Colours	Item codes
Heavy fuel oil (HFO)		S 50 03 - S 50 01 - S 50 03
Aviation fuel		S 50 03 - S 50 02 - S 50 03
Biological fuel		S 50 03 - S 50 10 - S 50 03
Gas-turbine fuel		S 50 03 - S 50 11 - S 50 03
Marine diesel oil (MDO)		S 50 03 - S 50 12 - S 50 03
Flow arrows	Colours	Item codes
Flow arrows	111111	S 50 00

Sea water	Colours	Item codes
Decontamination water		S 50 04 - S 50 02 - S 50 04
Sea water, sanitary		S 50 04 - S 50 03 - S 50 04
Ballast water		S 50 04 - S 50 10 - S 50 04
Cooling sea water		S 50 04 - S 50 12 - S 50 04
Non-flammable gases	Colours	Item codes
Oxygen		S 50 05 - S 50 02 - S 50 05
Inert gas		S 50 05 - S 50 03 - S 50 05
Nitrogen		S 50 05 - S 50 04 - S 50 05
Refrigerant		S 50 05 - S 50 06 - S 50 05
Compressed air LP (Low pressure)		S 50 05 - S 50 07 - S 50 05
Compressed air HP (High pressure)		S 50 05 - S 50 09 - S 50 05
Control air/regulating air		S 50 05 - S 50 10 - S 50 05
Breathing air*		S 50 05 - S 50 11 - S 50 05
Breathing gas*		S 50 05 - S 50 12 - S 50 05
* This marking is used in subma from cylinders.	rines for disti	ribution systems of breathing a
Fire fighting/ fire protection	Colours	Item codes
Fire-fighting water		S 50 09 - S 50 04 - S 50 09
Fire-fighting gas		S 50 09 - S 50 05 - S 50 09

S 50 09 - S 50 07 - S 50 09 S 50 09 - S 50 10 - S 50 09

S 50 09 - S 50 11 - S 50 09

S 50 09 - S 50 12 - S 50 09

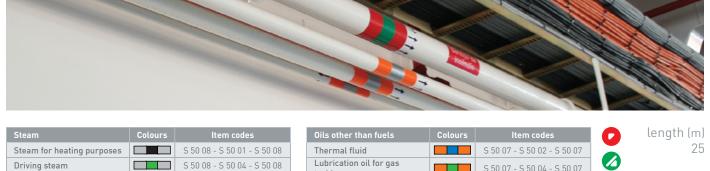
### Pipe content identification ~



width (mm)

50

### Pipe identification colour-coded tape according to ISO 14726: 2008 and NORSOK L-004



Flammable gases	Colours	Item codes
Hydrogen		S 50 12 - S 50 02 - S 50 12
Acetylene		S 50 12 - S 50 05 - S 50 12
Liquid gas		S 50 12 - S 50 10 - S 50 12
Non-flammable gases	Colours	Item codes
Oxygen		S 50 05 - S 50 02 - S 50 05
Inert gas		S 50 05 - S 50 03 - S 50 05
Nitrogen		S 50 05 - S 50 04 - S 50 05
Refrigerant		S 50 05 - S 50 06 - S 50 05
Compressed air HP (High pressure)		S 50 05 - S 50 09 - S 50 05
Control air/regulating air		S 50 05 - S 50 10 - S 50 05
Breathing air*		S 50 05 - S 50 11 - S 50 05
Breathing gas*		S 50 05 - S 50 12 - S 50 05
* This marking is used in submarines for distribution systems of breathing air		

Supply steam

S 50 08 - S 50 11 - S 50 08

S 50 08 - S 50 12 - S 50 08

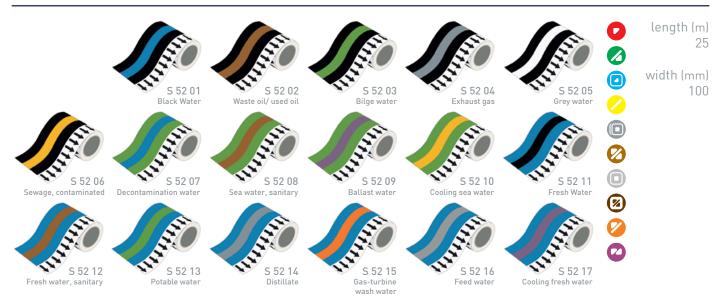
from cylinders.		
Air and sounding pipes	Colours	Item codes
Waste media		S 50 06 - S 50 01 - S 50 06
Fresh water		S 50 06 - S 50 02 - S 50 06
Fuel		S 50 06 - S 50 03 - S 50 06
Sea water		S 50 06 - S 50 04 - S 50 06
Non-flammable gases		S 50 06 - S 50 05 - S 50 06
Oils other than fuels		S 50 06 - S 50 07 - S 50 06
Steam		S 50 06 - S 50 08 - S 50 06
Fire fighting		S 50 06 - S 50 09 - S 50 06
Acids, alkalis		S 50 06 - S 50 10 - S 50 06
Ventilation system		S 50 06 - S 50 11 - S 50 06
Flammable gases		S 50 06 - S 50 12 - S 50 06

011 11 11 6 1		
Oils other than fuels	Colours	Item codes
Thermal fluid		S 50 07 - S 50 02 - S 50 07
Lubrication oil for gas turbines		S 50 07 - S 50 04 - S 50 07
Hydraulic fluid		S 50 07 - S 50 05 - S 50 07
Lubrication oil for steam turbines		S 50 07 - S 50 08 - S 50 07
Lubrication oil for gears		S 50 07 - S 50 10 - S 50 07
Lubrication oil for internal combustion engines		S 50 07 - S 50 12 - S 50 07
Non-flammable gases	Colours	Item codes
Oxygen		S 50 05 - S 50 02 - S 50 05
Inert gas		S 50 05 - S 50 03 - S 50 05

Non-flammable gases	Colours	Item codes
Oxygen		S 50 05 - S 50 02 - S 50 05
Inert gas		S 50 05 - S 50 03 - S 50 05
Nitrogen		S 50 05 - S 50 04 - S 50 05
Refrigerant		S 50 05 - S 50 06 - S 50 05
Compressed air LP (Low pressure)		S 50 05 - S 50 07 - S 50 05
Compressed air HP (High pressure)		S 50 05 - S 50 09 - S 50 05
Control air/regulating air		S 50 05 - S 50 10 - S 50 05
Breathing air*		S 50 05 - S 50 11 - S 50 05
Breathing gas*		S 50 05 - S 50 12 - S 50 05
$\mbox{\ensuremath{^{\ast}}}$ This marking is used in submarines for distribution systems of breathing air from cylinders.		

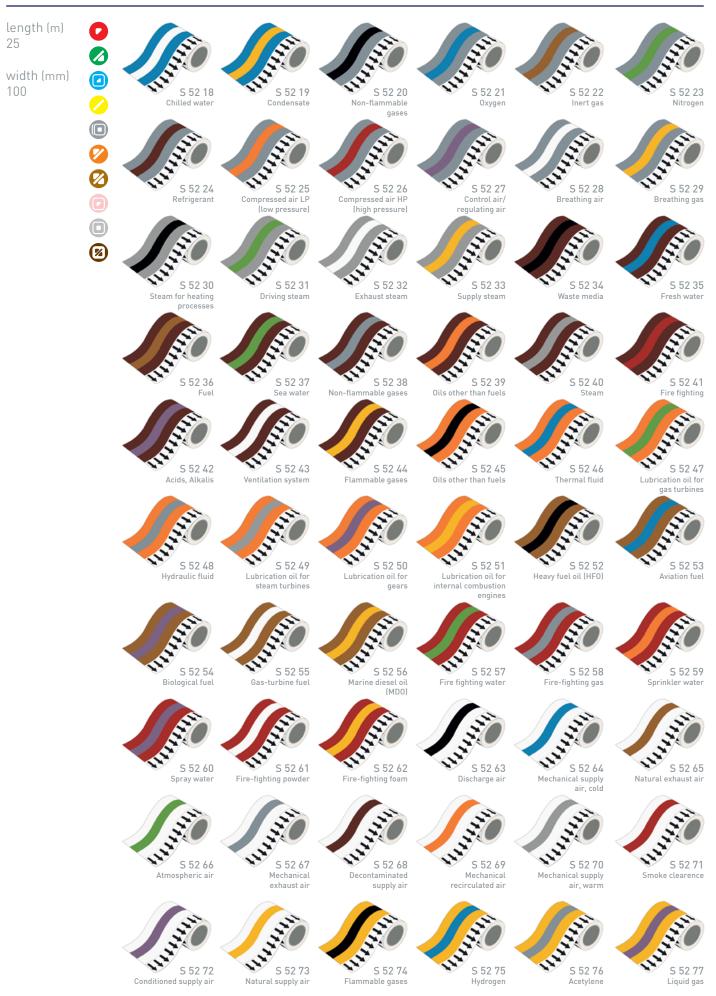
Air in ventilation systems	Colours	Item codes
Discharge air		S 50 11 - S 50 01 - S 50 11
Mechanical supply air, cold		S 50 11 - S 50 02 - S 50 11
Natural exhaust air		S 50 11 - S 50 03 - S 50 11
Atmospheric air		S 50 11 - S 50 04 - S 50 11
Mechanical exhaust air		S 50 11 - S 50 05 - S 50 11
Decontaminated supply air		S 50 11 - S 50 06 - S 50 11
Mechanical recirculated air		S 50 11 - S 50 07 - S 50 11
Mechanical supply air, warm		S 50 11 - S 50 08 - S 50 11
Smoke clearance		S 50 11 - S 50 09 - S 50 11
Conditioned supply air		S 50 11 - S 50 10 - S 50 11
Natural supply air		S 50 11 - S 50 12 - S 50 11

### Multiple colour rolls according to ISO 14726: 2008 and NORSOK L-004



### Pipe content identification

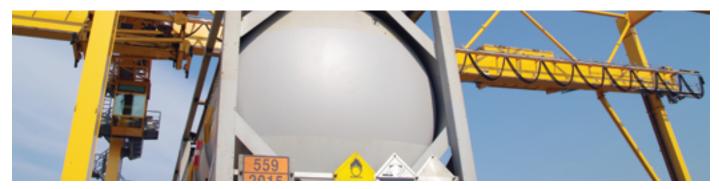
#### Multiple colour rolls according to ISO 14726: 2008 and NORSOK L-004



### Signs according to the IMDG Code $\Phi$

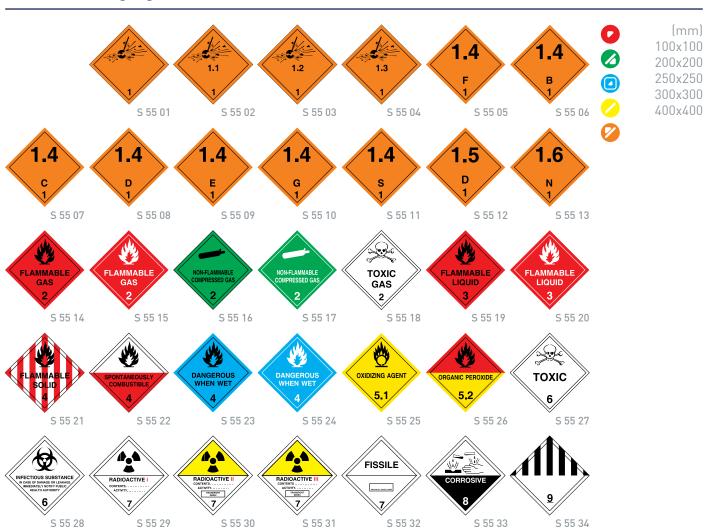


#### Signs according to the IMDG Code specifications



The International Maritime Dangerous Goods (IMDG) Code has been developed to create a uniform international code for the transport of dangerous goods by sea. The IMDG Code became mandatory in January 2004 through the adoption of the amendments to SOLAS chapter VII (Carriage of Dangerous Goods).

#### Hazard warning signs with classification numbers



#### Hazard warning signs with UN numbers



### Signs according to the IMDG Code

#### Hazard warning signs with UN numbers







S 56 52











S 56 53









#### Marking signs for packages

(mm) 100x150 150x200

















S 57 10



S 57 11













(mm) 100x100 250x250 300x300 base 300(\*)

(\*) Only available in this size



S 57 09











(mm) 100x100 250x250 300x250(\*)

(\*) Only available in this size



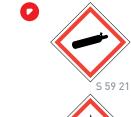




(\*) S 59 01

### Safety signage according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

(mm) 100x100 150x150 200x200 300x300









S 59 26





S 59 27







### Safety awareness and training procedures oxplus



#### Info panels with sign symbols and meaning descriptions



The IMO International Safety Management (ISM) Code was developed with the aim of implementing safety practises at sea which would lead to the prevention of human injury or loss of life as well as the prevention of damage to the environment and property.

The ®Everlux\* safety procedures are in compliance with the ISM Code and provide you with the necessary training and information requirements that must be displayed on board.







S 60 02



S 60 03

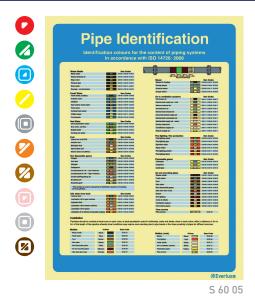


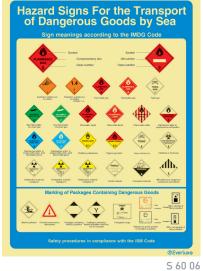
(mm) 300x400 400x600

### oxdot Safety awareness and training procedures

#### Info panels with sign symbols and meaning descriptions

(mm) 300x400 400x600







**International Code of Signals** Flag Signals N 🔛 Annaching particular of discrete particular section P Ď 2 3 G Ⅲ 4 5 📂 6 w = 7 8 📂 9 📂 0 (\*) S 60 08

#### Evacuation and life-saving safety procedures

(mm) 300x400 400x600

(\*) This panel is only available in white rigid plastic and white self-adhesive vinyl.





S 60 52

(mm)

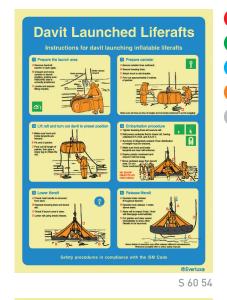
300x400

400x600

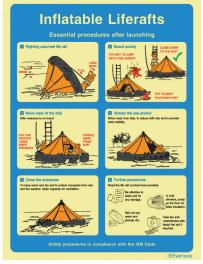
## Evacuation and life-saving safety procedures



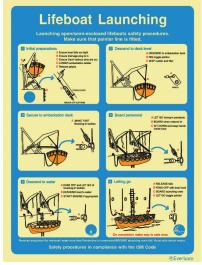




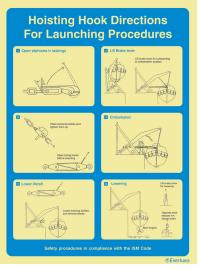




S 60 55



S 60 56



S 60 72

## **■** Safety awareness and training procedures

### Evacuation and life-saving safety procedures

(mm) 300x400 400x600





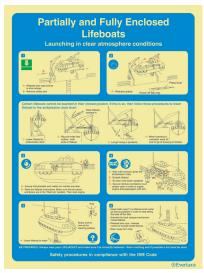








S 60 57





S 60 60



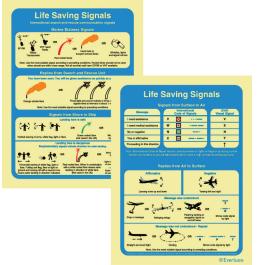
S 60 58





S 60 61

### Evacuation and life-saving safety procedures



(mm) 150x200 200x300

Item S 60 71 is a double sided panel

S 60 71















S 61 01

S 61 02

S 61 03

S 61 04

S 61 05

S 61 06

(mm) 200x150













(mm) 300x400 400x600

S 61 22

## **■** Safety awareness and training procedures

### Evacuation and life-saving safety procedures

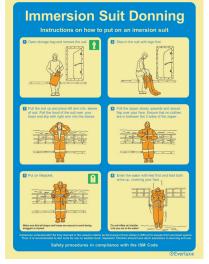
(mm) 300x400 400x600











S 61 23



S 61 24



S 61 25



S 61 26

#### Navigation and harbour approach safety procedures

(mm) 400x300 600x400

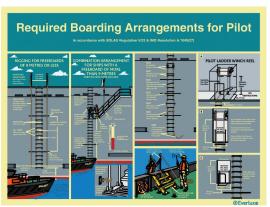












S 62 00

(mm) 300x400

400x600

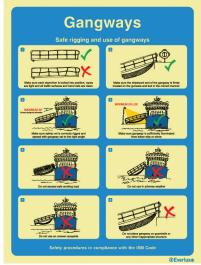
## Navigation and harbour approach safety procedures







S 62 03



S 62 04





S 62 06



S 62 07

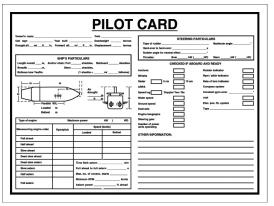
# 

### Navigation and harbour approach safety procedures

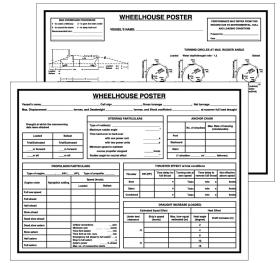
#### (mm) 400x300

The 🕏 Everlux® Pilot and Wheelhouse cards are compliant with IMO Res. A601 (15) requirements

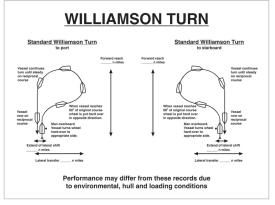
Item S 62 52 is a double sided panel



S 62 51



S 62 52



S 62 53



S 62 54

## Health and safety operational procedures

(mm) 300x400 400x600









S 63 01



S 63 02

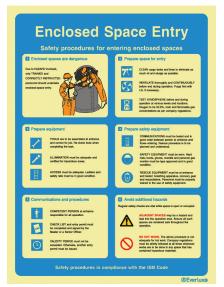
## Health and safety operational procedures



S 63 03



S 63 05



S 63 07



S 63 04



S 63 06



S 63 08

(mm) 300x400 400x600

## **■** Safety awareness and training procedures

### Health and safety operational procedures

(mm) 300x400 400x600















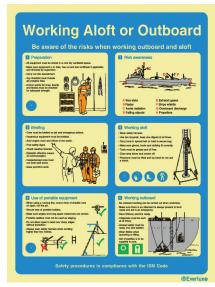
S 63 09



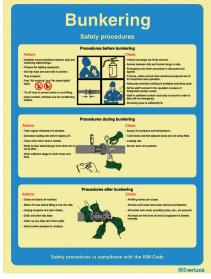
S 63 10



S 63 11



S 63 12



S 63 13



S 63 14

### Health and safety operational procedures



S 63 15



S 63 16



S 63 17



S 63 18



S 63 19

## 

## Health and safety operational procedures

(mm) 400x300 600x400













S 63 23





S 63 24



**Stress Management** 



S 63 27

(mm) 300x400 400x600











S 63 21

#### Health and safety operational procedures



(\*) S 63 31



**Food waste** 

(\*) S 63 33

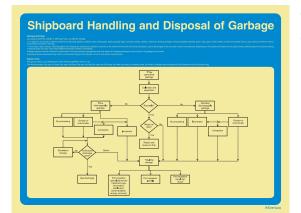
(\*) S 63 34



(\*) S 63 32



(\*) S 63 35



(mm) (\*)150x150 400x300 600x400

(\*) Only available in this size





(\*)S 63 72



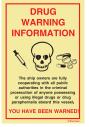
S 63 71



(mm) 400x200

(\*) Only available in this size

(\*) 300x200



S 63 62



S 63 63





S 63 74

(mm) 150x200 200x300

## Safety awareness and training procedures - Spanish speaking crews



S 64 01



S 64 02

(mm) 300x400 400x600







# **■** Safety awareness and training procedures

## Safety awareness and training procedures - Spanish speaking crews

(mm) 300x400 400x600

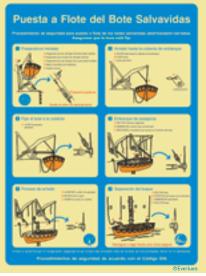












S 64 03



S 64 04



S 64 05



S 64 06



S 64 81



S 64 82

### Safety awareness and training procedures - Spanish speaking crews





(mm) 300x400 400x600





S 64 85





(mm) 400x300 600x400



S 64 86



S 64 87



300x400

(mm)

400x600

S 64 88

# 

### Safety awareness and training procedures - Spanish speaking crews

(mm) 300x400 400x600 150x200 (\*) 200x300 (\*)

(\*) Only available in these sizes



(\*) S 64 89

S 64 07

#### Safety awareness and training procedures - French speaking crews

(mm) 300x400 400x600



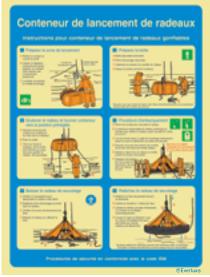




S 64 30



S 64 31



S 64 32



S 64 33

(mm)

300x400

400x600

### Safety awareness and training procedures - French speaking crews







S 64 35









S 64 72

# 

### Safety awareness and training procedures - French speaking crews

(mm) 300x400 400x600 400x300(\*) 600x400(\*)

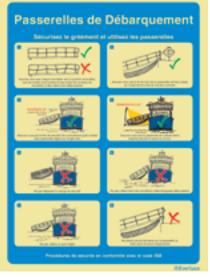












S 64 73



S 64 75



S 64 74



(\*) S 64 71



S 64 76



S 64 77

Safety awareness and training procedures - French speaking crews







S 64 79





S 64 90





S 64 62

# **⊞** Safety awareness and training procedures

Safety awareness and training procedures - Portuguese speaking crews

(mm) 300x400 400x600













S 64 50



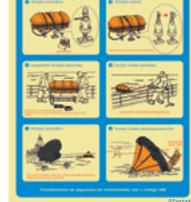




nçamento de balsa salvavidas

S 64 52





S 64 60

S 64 53

## Safety awareness and training procedures - Portuguese speaking crews





(mm) 300x400 400x600

S 64 54

S 64 55





S 64 58

S 64 57





S 64 59

## General safety awareness notices

#### Safety awareness

(mm) 300x400 400x600











S 65 01



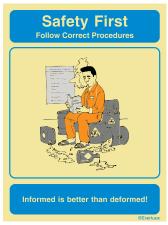
S 65 02



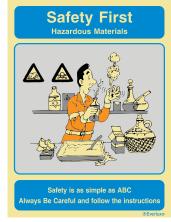
S 65 03



S 65 04



S 65 05



S 65 06



S 65 07



S 65 08



Safety First

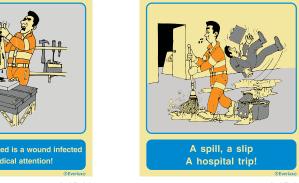
S 65 09



When used together with the ® Everlux® safety awareness training procedures they will help you to comply with the ISM Code requirements



Safety First A wound neglected is a wound infected Seek medical attention!



S 65 11 S 65 12

92





S DEC P

## Cabin safety plan



S CAB P

## Fire control and safety plans

#### Everlux<sup>®</sup> self-adhesive mini-symbols

The & Everlux® self-adhesive mini-symbols are the ideal solution to update the locations of fire fighting and life-saving equipments in the fire control and safety plans.

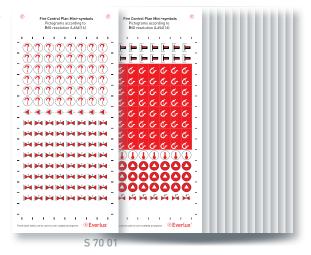
The mini-symbols follow the IMO and ISO regulations and are available in 4 packs. Ref. S 70 01, S 70 02 and S 70 03 according to each relevant regulation/ standard as described below. The fourth pack consists of these 3 sets together. It contains 36 pages and a total of 4338 mini-symbols. It can be purchased by ordering Ref. S 70 00.



(mm) 10x10(\*) (\*) Each

mini-symbol



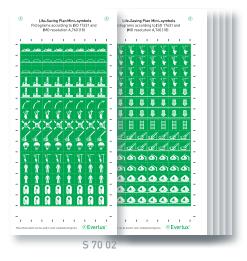


Fire control mini-symbols according to IMO Resolution A. 654 - containing 12 pages and a total of 1536 mini-symbols.

(mm) 10x10(\*)



(\*) Each mini-symbol

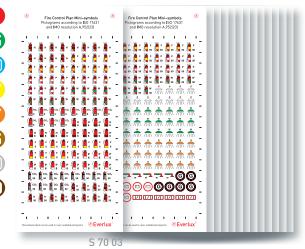


Life-saving mini-symbols according to ISO 17631 and IMO Resolution A. 760 - containing 6 pages and a total of 768 mini-symbols.

(mm) 10x10(\*) (\*) Each



mini-symbol



Fire control mini-symbols according to ISO 17631 and IMO Resolution A. 952 - containing 18 pages and a total of 2034 mini-symbols.

## Bespoke signage solutions $\bigcirc$

#### Decorative and onboard way-finding signs

& Everlux\* has the ability to design, develop and manufacture way-finding and decorative signage solutions in different base materials, always with a high concern on the aesthetics of the signs and their most suitable integration with the general interior decoration of the vessel.

#### Cabin identification





#### Deck identification and cabin facility way-finding





For more information on this service, please contact us at: commercial@everluxmaritime.com

## Frame and Adhesive

#### Everlux frames



Self-Assembly Frame

S 80 01



Slim-Line Frame

S 80 02

® Everlux® frames are the ideal accessory when installing safety signs providing an aesthetic finish. They have a discreet and elegant design and are manufactured using high quality materials. They allow the connection between the sign and the wall and their visual weight does not conflict with the sign, resulting in a perfect harmony between the three elements (wall-frame-sign).

#### Properties:

Material: Aluminium

#### Available models:

® Everlux° self-assembly frame – 4 aluminium components, cut to match the size of the sign are supplied along with 4 plastic "L" connectors and 4 squares of double-sided adhesive tape, to allow putting together this practical frame.

⊗ Everlux° slim-line frame – supplied with the respective sign and ready to be installed.

#### Installation:

Both frames can be pasted to the wall by using double-sided adhesive tape or  ${\bf \$Everlux}^\circ$  adhesive.

Frames are only suitable to square and rectangular shaped signs.

#### Everlux® adhesive



Adhesive (300ml)

ADHE

® Everlux° adhesive is the ideal solution for installing ® Everlux° safety signs to a wide variety of surfaces, including very irregular ones.

#### Properties:

- Fast initial drying which prevents possible slipping within the first seconds after installation;
- High temperature resistance (up to 75°C);
- High resistance to removal and humidity;
- After unlocking the gun, the product does not drip;
- High fluidity which allows an easy application (extrusion),

#### Instructions:

The best method for a correct and quick sign installation is to apply four small dots of the ® Everlux° adhesive on the corners of the sign and one dot in the centre. Then squeeze the sign against the wall (or surface where it shall be installed) by pressing on the four corners and centre of the sign. This will allow the adhesive to develop a very thin layer between the sign and the wall.

Alternatively, a very thin line of the adhesive can be applied around the perimeter of the sign 1cm from the edge in order to prevent it from oozing out. Squeeze the sign against the wall and move it slightly to allow the adhesive to spread perfectly. This is the recommended option for sign installations in

locations which may be subject to vandalism.

Available in packs of 36 tubes. Each tube is supplied with a cap for the lid in order to prevent the adhesive from drying between uses.



Applied correctly

© Everlux° adhesive
has been proven to be
more cost effective
than other adhesive
brands

IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page
33.1501	47.515.01	S 60 56	73	33.1543	47.515.43	S 63 71	83	33.2221	47.522.21	S 55 34	69	33.2417	47.524.17	S 42 66	54
33.1502	47.515.02	S 60 53	73	33.1545	47.515.45	S 60 54	73	33.2222	47.522.22	S 55 02	69	33.2418	47.524.18	S 42 67	54
33.1503	47.515.03	S 60 55	73	33.1548	47.515.48	S 60 06	72	33.2223	47.522.23	S 55 03	69	33.2419	47.524.19	S 42 04	54
33.1504	47.515.04	S 60 57	74	33.1557	47.515.57	S 60 03	71	33.2224	47.522.24	S 55 04	69	33.2420	47.524.20	S 42 02	54
33.1505	47.515.05	S 60 58	74	33.1558	47.515.58	S 60 61	74	33.2225	47.522.25	S 55 05	69	33.2421	47.524.21	S 42 03	54
33.1506	47.515.06	S 63 07	79	33.1559	47.515.59	S 60 71	75	33.2230	47.522.30	S 56 61	70	33.2422	47.524.22	S 42 68	54
33.1507	47.515.07	S 63 09	80	33.1565	47.515.65	S 62 53	78	33.2231	47.522.31	S 56 01	69	33.2423	47.524.23	S 42 69	54
33.1508	47.515.08	S 63 01	78	33.1579	47.515.79	S 60 08	72	33.2232	47.522.32	S 56 06	69	33.2424	47.524.24	S 42 70	54
33.1509	47.515.09	S 63 18	81	33.2130	47.521.30	S 50 00	66	33.2233	47.522.33	S 56 03	69	33.2425	47.524.25	S 42 71	54
33.1510	47.515.10	S 62 52	78	33.2140	47.521.40	S 50 01	66	33.2234	47.522.34	S 56 05	69	33.2426	47.524.26	S 42 72	54
33.1511	47.515.11	S 62 51	78	33.2141	47.521.41	S 50 02	66	33.2235	47.522.35	S 56 51	70	33.2427	47.524.27	S 42 73	54
33.1512	47.515.12	S 62 54	78	33.2142	47.521.42	S 50 03	66	33.2236	47.522.36	S 56 52	70	33.2428	47.524.28	S 42 74	54
33.1513	47.515.13	S 62 03	77	33.2143	47.521.43	S 50 04	66	33.2237	47.522.37	S 56 53	70	33.2429	47.524.29	S 42 75	54
33.1514	47.515.14	S 62 04	77	33.2144	47.521.44	S 50 05	66	33.2238	47.522.38	S 56 55	70	33.2430	47.524.30	S 42 76	54
33.1515	47.515.15	S 60 52	72	33.2145	47.521.45	S 50 06	66	33.2277	47.522.77	S 56 56	70	33.2431	47.524.31	S 42 77	54
33.1516	47.515.16	S 60 51	72	33.2146	47.521.46	S 50 07	66	33.2240	47.522.40	S 56 57	70	33.2432	47.524.32	S 42 78	54
33.1517	47.515.17	S 63 08	79	33.2147	47.521.47	S 50 08	66	33.2241	47.522.41	S 56 58	70	33.2433	47.524.33	S 42 79	54
33.1520	47.515.20	S 60 59	74	33.2148	47.521.48	S 50 09	66	33.2242	47.522.42	S 56 59	70	33.2434	47.524.34	S 42 80	54
33.1521	47.515.21	S 62 05	77	33.2149	47.521.49	S 50 10	66	33.2243	47.522.43	S 56 60	70	33.2435	47.524.35	S 42 81	54
33.1522	47.515.22	S 63 13	80	33.2150	47.521.50	S 50 11	66	33.2251	47.522.51	S 55 12	69	33.2436	47.524.36	S 42 82	54
33.1523	47.515.23	S 63 02	78	33.2151	47.521.51	S 50 12	66	33.2253	47.522.53	S 55 32	69	33.2437	47.524.37	S 42 83	54
33.1524	47.515.24	S 63 03	79	33.2201	47.522.01	S 59 01	70	33.2401	47.524.01	S 42 51	54	33.2438	47.524.38	S 42 84	54
33.1525	47.515.25	S 63 12	80	33.2202	47.522.02	S 55 19	69	33.2402	47.524.02	S 42 52	54	33.2439	47.524.39	S 42 85	54
33.1526	47.515.26	S 62 00	76	33.2207	47.522.07	S 55 14	69	33.2403	47.524.03	S 42 53	54	33.2440	47.524.40	S 42 86	54
33.1527	47.515.27	S 60 01	71	33.2208	47.522.08	S 55 16	69	33.2404	47.524.04	S 42 54	54	33.2441	47.524.41	S 42 87	54
33.1528	47.515.28	S 63 05	79	33.2209	47.522.09	S 55 18	69	33.2405	47.524.05	S 42 55	54	33.2442	47.524.42	S 42 88	54
33.1529	47.515.29	S 63 22	83	33.2210	47.522.10	S 55 21	69	33.2406	47.524.06	S 42 56	54	33.2443	47.524.43	S 42 89	54
33.1530	47.515.30	S 63 11	80	33.2211	47.522.11	S 55 22	69	33.2407	47.524.07	S 42 57	54	33.2501	47.525.01	S 47 01	64
33.1531	47.515.31	S 63 14	80	33.2212	47.522.12	S 55 23	69	33.2408	47.524.08	S 42 58	54	33.2502	47.525.02	S 47 02	64
33.1532	47.515.32	S 63 15	81	33.2213	47.522.13	S 55 25	69	33.2409	47.524.09	S 42 59	54	33.2503	47.525.03	S 47 03	64
33.1533	47.515.33	S 63 04	79	33.2275	47.522.75	S 55 26	69	33.2410	47.524.10	S 42 60	54	33.2504	47.525.04	S 47 04	64
33.1534	47.515.34	S 62 02	77	33.2215	47.522.15	S 55 27	69	33.2411	47.524.11	S 42 61	54	33.2506	47.525.06	S 47 05	64
33.1536	47.515.36	S 60 02	71	33.2216	47.522.16	S 55 28	69	33.2412	47.524.12	S 42 62	54	33.2507	47.525.07	S 47 06	64
33.1537	47.515.37	S 63 62	83	33.2217	47.522.17	S 55 29	69	33.2413	47.524.13	S 42 01	54	33.2508	47.525.08	S 47 07	64
33.1539	47.515.39	S 63 64	83	33.2218	47.522.18	S 55 30	69	33.2414	47.524.14	S 42 63	54	33.2509	47.525.09	S 47 08	64
33.1541	47.515.41	S 63 63	83	33.2219	47.522.19	S 55 31	69	33.2415	47.524.15	S 42 64	54	33.2510	47.525.10	S 47 09	64
33.1542	47.515.42	S 63 21	82	33.2220	47.522.20	S 55 33	69	33.2416	47.524.16	S 42 65	54	33.2520	47.525.20	S 47 55	64

<sup>1)</sup> Sign with the same message as IMPA and ISSA sign, but with a different format

IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page
33.2521	47.525.21	S 47 54	64	33.3123	47.531.23	S 41 02	53	33.4080	47.540.80	S 02 14	10	33.4139	47.541.39	S 03 11	12
33.2522	47.525.22	S 47 53	64	33.3124	47.531.24	S 41 03	53	33.4100	47.541.00	S 02 51	11	33.4140	47.541.40	S 03 40	12
33.2523	47.525.23	S 47 52	64	33.3125	47.531.25	S 41 05	53	33.4101	47.541.01	S 02 52	11	33.4142	47.541.42	S 02 64	11
33.2524	47.525.24	S 47 51	64	33.3126	47.531.26	S 41 06	53	33.4102	47.541.02	S 02 53	11	33.4145	47.541.45	S 03 04	12
33.2525	47.525.25	S 47 56	64	33.3127	47.531.27	S 41 08	53	33.4103	47.541.03	S 02 54	11	33.4150	47.541.50	S 02 26	10
33.2526	47.525.26	S 47 57	64	33.3128	47.531.28	S 41 09	53	33.4104	47.541.04	S 02 55	11	33.4152	47.541.52	S 03 03	12
33.2527	47.525.27	S 47 59	64	33.3129	47.531.29	S 41 10	53	33.4105	47.541.05	S 02 56	11	33.4153	47.541.53	S 02 28	10
33.2528	47.525.28	S 47 58	64	33.3135	47.531.35	S 41 11	53	33.4106	47.541.06	S 02 57	11	33.4154	47.541.54	S 03 14	12
33.2529	47.525.29	S 47 60	64	33.3136	47.531.36	S 41 12	53	33.4107	47.541.07	S 02 58	11	33.4155	47.541.55	S 03 13	12
33.2530	47.525.30	S 47 61	64	33.3137	47.531.37	S 41 13	53	33.4108	47.541.08	S 02 59	11	33.4170	47.541.70	S 03 21	12¹
33.2531	47.525.31	S 47 62	64	33.3138	47.531.38	S 40 72	52	33.4109	47.541.09	S 02 60	11	33.4171	47.541.71	S 03 38	12
33.2532	47.525.32	S 47 63	64	33.3139	47.531.39	S 40 73	52	33.4110	47.541.10	S 02 62	11	33.4172	47.541.72	S 03 34	12
33.2540	47.525.40	S 47 81	64	33.4050	47.540.50	S 02 01	10	33.4111	47.541.11	S 02 63	11	33.4173	47.541.73	S 03 39	12
33.2541	47.525.41	S 47 10	64	33.4051	47.540.51	S 02 02	10	33.4112	47.541.12	S 02 65	11	33.4174	47.541.74	S 03 49	12
33.2542	47.525.42	S 47 11	64	33.4052	47.540.52	S 02 03	10	33.4113	47.541.13	S 02 73	11	33.4175	47.541.75	S 03 50	12
33.2703	47.527.03	S 42 10	55'	33.4053	47.540.53	S 02 04	10	33.4114	47.541.14	S 02 69	11	33.4176	47.541.76	S 03 33	12
33.2889	47.528.89	S 42 42	56	33.4054	47.540.54	S 02 05	10	33.4115	47.541.15	S 02 70	11	33.4177	47.541.77	S 03 32	12
33.2896	47.528.96	S 42 40	56	33.4055	47.540.55	S 02 06	10	33.4116	47.541.16	S 02 68	11	33.4178	47.541.78	S 03 45	12
33.2974	47.529.74	S 42 41	56	33.4056	47.540.56	S 02 07	10	33.4117	47.541.17	S 02 71	11	33.4179	47.541.79	S 03 42	12
33.3014	47.530.14	S 40 71	52	33.4057	47.540.57	S 02 08	10	33.4118	47.541.18	S 02 72	11	33.4180	47.541.80	S 03 44	12
33.3100	47.531.00	S 40 51	52	33.4058	47.540.58	S 02 09	10	33.4119	47.541.19	S 03 62	13	33.4181	47.541.81	S 03 53	12
33.3101	47.531.01	S 40 52	52	33.4059	47.540.59	S 02 10	10	33.4120	47.541.20	S 02 74	11	33.4182	47.541.82	S 03 48	12
33.3102	47.531.02	S 40 53	52	33.4060	47.540.60	S 02 12	10	33.4121	47.541.21	S 02 75	11	33.4183	47.541.83	S 03 51	12
33.3103	47.531.03	S 40 54	52	33.4061	47.540.61	S 02 13	10	33.4123	47.541.23	S 02 51	11	33.4184	47.541.84	S 03 52	12
33.3104	47.531.04	S 40 58	52	33.4062	47.540.62	S 02 15	10	33.4124	47.541.24	S 03 62	13	33.4187	47.541.87	S 05 51	16
33.3105	47.531.05	S 40 59	52	33.4063	47.540.63	S 02 23	10	33.4125	47.541.25	S 02 66	11	33.4188	47.541.88	S 03 43	12
33.3106	47.531.06	S 40 60	52	33.4064	47.540.64	S 02 19	10	33.4126	47.541.26	S 02 67	11	33.4189	47.541.89	S 03 47	12
33.3108	47.531.08	S 40 81	53	33.4065	47.540.65	S 02 20	10	33.4127	47.541.27	S 02 76	11	33.4200	47.542.00	S 04 00	14
33.3109	47.531.09	S 40 55	52	33.4066	47.540.66	S 02 18	10	33.4129	47.541.29	S 02 77	11	33.4201	47.542.01	S 04 01	14
33.3110	47.531.10	S 40 61	52	33.4067	47.540.67	S 02 21	10	33.4130	47.541.30	S 03 46	12'	33.4202	47.542.02	S 04 02	14
33.3111	47.531.11	S 41 04	53	33.4068	47.540.68	S 02 22	10	33.4131	47.541.31	S 02 78	11	33.4203	47.542.03	S 04 03	14
33.3112	47.531.12	S 40 56	52	33.4069	47.540.69	S 03 61	13	33.4132	47.541.32	S 02 84	11	33.4204	47.542.04	S 04 04	14
33.3113	47.531.13	S 40 62	52	33.4070	47.540.70	S 02 24	10	33.4134	47.541.34	S 02 61	11	33.4205	47.542.05	S 04 05	14
33.3114	47.531.14	S 40 63	52	33.4071	47.540.71	S 02 25	10	33.4135	47.541.35	S 03 10	12	33.4206	47.542.06	S 04 06	14
33.3115	47.531.15	S 40 64	52	33.4075	47.540.75	S 02 16	10	33.4136	47.541.36	S 03 37	12	33.4207	47.542.07	S 04 07	14
33.3116	47.531.16	S 40 57	52	33.4076	47.540.76	S 02 17	10	33.4137	47.541.37	S 03 02	12	33.4208	47.542.08	S 04 08	14
33.3122	47.531.22	S 41 01	53	33.4078	47.540.78	S 02 27	10	33.4138	47.541.38	S 03 31	12	33.4209	47.542.09	S 04 09	14

<sup>1)</sup> Sign with the same message as IMPA and ISSA sign, but with a different format

IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page
33.4210	47.542.10	S 04 1A	14	33.4325	47.543.25	S 03 79	13	33.4424	47.544.24	S 04 65	15	33.5653	47.556.53	S 35 11	44
33.4211	47.542.11	S 04 1B	14	33.4326	47.543.26	S 03 83	13	33.4425	47.544.25	S 04 63	15	33.5654	47.556.54	S 35 08	44
33.4212	47.542.12	S 04 1C	14	33.4327	47.543.27	S 03 80	13	33.4426	47.544.26	S 04 10	141	33.5655	47.556.55	S 35 21	44
33.4213	47.542.13	S 04 1D	14	33.4328	47.543.28	S 03 82	13	33.4427	47.544.27	S 04 10	14	33.5656	47.556.56	S 00 11	9
33.4214	47.542.14	S 04 1E	14	33.4329	47.543.29	S 03 81	13	33.4454	47.544.54	S 03 66	15	33.5675	47.556.75	S 35 91	46
33.4215	47.542.15	S 04 1F	14	33.4331	47.543.31	S 03 77	13	33.4455	47.544.55	S 03 67	15	33.5678	47.556.78	S 35 69	45
33.4240	47.542.40	S 04 00	14	33.4332	47.543.32	S 03 76	13	33.4470	47.544.70	S 04 15	14	33.5679	47.556.79	S 36 16	46
33.4241	47.542.41	S 04 01	14	33.4333	47.543.33	S 03 78	13	33.4471	47.544.71	S 04 16	14	33.5680	47.556.80	S 36 84	47
33.4242	47.542.42	S 04 02	14	33.4334	47.543.34	S 03 75	13	33.4480	47.544.80	S 05 18	16	33.5690	47.556.90	S 36 48	47
33.4243	47.542.43	S 04 03	14	33.4335	47.543.35	S 03 71	13	33.4481	47.544.81	S 05 19	16	33.5691	47.556.91	S 36 49	47
33.4244	47.542.44	S 04 04	14	33.4336	47.543.36	S 03 74	13	33.4482	47.544.82	S 05 15	16	33.5692	47.556.92	S 36 50	47
33.4245	47.542.45	S 04 05	14	33.4337	47.543.37	S 03 72	13	33.4483	47.544.83	S 05 16	16	33.5693	47.556.93	S 36 52	47
33.4246	47.542.46	S 04 06	14	33.4339	47.543.39	S 03 73	15	33.4820	47.548.20	S 04 71	15	33.5694	47.556.94	S 36 53	47
33.4247	47.542.47	S 04 07	14	33.4340	47.543.40	S 04 55	14	33.4821	47.548.21	S 04 93	15	33.5695	47.556.95	S 36 54	47
33.4248	47.542.48	S 04 08	14	33.4345	47.543.45	S 04 51	15	33.4824	47.548.24	S 04 85	15	33.5709	47.557.09	S 35 67	45
33.4249	47.542.49	S 04 09	14	33.4342	47.543.42	S 04 54	15	33.4825	47.548.25	S 04 81	15	33.5710	47.557.10	S 35 51	45 <sup>1</sup>
33.4250	47.542.50	S 04 1A	14	33.4343	47.543.43	S 04 52	15	33.5100	47.551.00	S 01 01	9	33.5712	47.557.12	S 35 53	45 <sup>1</sup>
33.4251	47.542.51	S 04 1B	14	33.4344	47.543.44	S 04 53	15	33.5101	47.551.01	S 01 02	9	33.5716	47.557.16	S 35 73	45 <sup>1</sup>
33.4252	47.542.52	S 04 1C	14	33.4341	47.543.41	S 04 56	15	33.5102	47.551.02	S 01 03	9	33.5719	47.557.19	S 35 68	45
33.4253	47.542.53	S 04 1D	14	33.4400	47.544.00	S 04 42	15	33.5103	47.551.03	S 01 04	9	33.5721	47.557.21	S 35 60	45 <sup>1</sup>
33.4254	47.542.54	S 04 1E	14	33.4401	47.544.01	S 04 43	15	33.5104	47.551.04	S 01 05	9	33.5722	47.557.22	S 35 61	45 <sup>1</sup>
33.4255	47.542.55	S 04 1F	14	33.4402	47.544.02	S 04 41	15	33.5105	47.551.05	S 01 06	9	33.5723	47.557.23	S 35 55	45 <sup>1</sup>
33.4300	47.543.00	S 03 96	13	33.4403	47.544.03	S 04 44	15	33.5106	47.551.06	S 01 07	9	33.5724	47.557.24	S 35 65	45 <sup>1</sup>
33.4301	47.543.01	S 03 97	13	33.4404	47.544.04	S 04 40	15	33.5107	47.551.07	S 01 08	9	33.5725	47.557.25	S 35 70	45
33.4302	47.543.02	S 03 95	13	33.4405	47.544.05	S 04 35	15	33.5108	47.551.08	S 01 09	9	33.5726	47.557.26	S 35 76	45 <sup>1</sup>
33.4303	47.543.03	S 03 98	13	33.4406	47.544.06	S 04 39	15	33.5109	47.551.09	S 01 10	9	33.5727	47.557.27	S 35 66	45 <sup>1</sup>
33.4304	47.543.04	S 03 94	13	33.4407	47.544.07	S 04 36	15	33.5642	47.556.42	S 35 01	44	33.5728	47.557.28	S 35 71	45 <sup>1</sup>
33.4305	47.543.05	S 03 89	13	33.4408	47.544.08	S 04 38	15	33.5643	47.556.43	S 35 24	44	33.5729	47.557.29	S 35 92	461
33.4306	47.543.06	S 03 93	13	33.4409	47.544.09	S 04 37	15	33.5644	47.556.44	S 35 02	44	33.5731	47.557.31	S 35 64	45¹
33.4307	47.543.07	S 03 90	13	33.4410	47.544.10	S 04 46	15	33.5645	47.556.45	S 35 12	44	33.5733	47.557.33	S 35 52	45 <sup>1</sup>
33.4308	47.543.08	S 03 92	13	33.4411	47.544.11	S 04 45	15	33.5646	47.556.46	S 35 05	44	33.5734	47.557.34	S 35 54	45 <sup>1</sup>
33.4309	47.543.09	S 03 91	13	33.4413	47.544.13	S 04 47	15	33.5647	47.556.47	S 35 04	44	33.5735	47.557.35	S 35 91	46
33.4320	47.543.20	S 03 86	13	33.4416	47.544.16	S 04 48	15	33.5648	47.556.48	S 35 03	44	33.5736	47.557.36	S 36 46	471
33.4321	47.543.21	S 03 87	13	33.4420	47.544.20	S 03 64	13	33.5649	47.556.49	S 35 06	44	33.5737	47.557.37	S 36 42	471
33.4322	47.543.22	S 03 85	13	33.4421	47.544.21	S 03 65	13	33.5650	47.556.50	S 35 07	44	33.5738	47.557.38	S 36 43	471
33.4323	47.543.23	S 03 88	13	33.4422	47.544.22	S 04 61	15	33.5651	47.556.51	S 35 15	44	33.5739	47.557.39	S 36 44	471
33.4324	47.543.24	S 03 84	13	33.4423	47.544.23	S 04 62	15	33.5652	47.556.52	S 35 14	44	33.5740	47.557.40	S 36 45	471

<sup>1]</sup> Sign with the same message as IMPA and ISSA sign, but with a different format  $\,$ 

33.5964 47.597.46 526.56 47 33.5976 47.598.78 536.92 47 33.6976 47.597.70 510.56 18 33.5976 47.597.69 510.57 19 33.5976 47.597.80 510.57 19 33.5976 47.597.80 510.57 19 33.5976 47.597.80 510.57 19 33.5976 47.597.80 510.57 19 33.5976 47.597.80 510.50 510.3	IMPA	ISSA	Everlux	Page												
33.5768   47.55748   53.647   477   33.590   47.597.01   5.4105   759   33.6036   47.560.05   510.07   19   33.6754   47.557.67   53.680   477   33.5902   47.597.02   5.6103   75   33.6036   47.560.05   510.40   18   33.6073   47.560.07   510.66   18   33.6073   47.560.05   510.27   19   33.6073   47.560.07   510.66   18   33.6073   47.560.05   510.27   19   33.6073   47.560.07   510.66   18   33.6073   47.560.05   510.27   19   33.6073   47.560.07   510.66   18   33.6073   47.560.05   510.27   19   33.6073   47.560.07   510.67	33.5745	47.557.45	S 36 55	47	33.5878	47.558.78	S 36 82	471	33.6033	47.560.33	S 10 71	18	33.6070	47.560.70	S 10 56	18
33.5767   47.572.67   5 6.83   477   33.5962   47.590.2   5 61 03   75   33.6964   47.560.25   5 10 44   18   33.6974   47.560.75   5 10 46   18   33.5972   47.560.25   5 10 45   18   33.5972   47.550.25   5 10 45   18   33.5972   47.560.25   5 10 45   18   33.5972   47.550.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18   33.5972   47.560.25   5 10 45   18   18	33.5746	47.557.46	S 36 56	47	33.5900	47.559.00	S 61 04	75	33.6034	47.560.34	S 10 70	18	33.6071	47.560.71	S 10 57	18
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33.5808 47.558.08 5 34 02 43 33.6007 47.560.09 5 10 15 17 33.6046 47.560.46 5 10 11 17 33.6083 47.560.83 5 10 47 18 33.5808 47.558.09 5 34 29 43 33.6010 47.560.10 5 10 16 17 33.6046 47.560.47 5 10 10 17 33.6084 47.560.84 5 10 48 18 33.5811 47.558.11 5 34 15 43 33.6011 47.560.11 5 10 17 17 33.6048 47.560.48 5 10 12 17 33.6085 47.560.85 5 10 49 18 33.5812 47.558.12 5 34 18 43 33.6012 47.560.12 5 10 18 17 33.6049 47.560.49 5 10 19 17 33.6086 47.560.85 5 10 49 18 33.5812 47.558.12 5 34 18 43 33.6012 47.560.13 5 10 25 17 33.6050 47.560.59 5 10 20 17 33.6087 47.560.85 5 10 49 18 33.5812 47.558.12 5 34 18 43 33.6013 47.560.13 5 10 25 17 33.6050 47.560.59 5 10 20 17 33.6088 47.560.85 5 14.55 23 33.5812 47.558.12 5 34 01 43 33.6014 47.560.14 5 10 26 17 33.6051 47.560.59 5 10 20 17 33.6088 47.560.85 5 14.55 23 33.5812 47.558.19 5 34 01 43 33.6016 47.560.15 5 10 27 17 33.6052 47.560.59 5 10 20 17 33.6088 47.560.89 5 14.55 23 33.5812 47.558.29 5 34 08 43 33.6016 47.560.16 5 10 28 17 33.6052 47.560.59 5 10 20 17 33.6094 47.560.89 5 14.55 23 33.5812 47.558.20 5 34 06 43 33.6016 47.560.16 5 10 28 17 33.6054 47.560.59 5 10 20 17 33.6094 47.560.91 5 14.56 23 33.5822 47.558.20 5 34 08 43 33.6016 47.560.18 5 10 30 17 33.6054 47.560.55 5 10 84 19 33.6101 47.561.01 5 13 12 22 33.5824 47.558.25 5 34 03 46 33.6019 47.560.19 5 10 34 18 33.6054 47.560.55 5 10 84 19 33.6102 47.561.02 5 16 06 24 33.5825 47.558.25 5 36 03 46 33.6024 47.560.25 5 10 34 18 33.6054 47.560.55 5 10 84 19 33.6102 47.561.02 5 16 06 24 33.5852 47.558.55 5 36 02 46 33.6024 47.560.25 5 10 38 18 33.6054 47.560.65 5 10 81 19 33.6124 47.561.21 5 18 23 27 33.5854 47.558.71 5 36 08 46 33.6024 47.560.25 5 10 39 18 33.6064 47.560.65 5 10 81 19 33.6124 47.561.22 5 16 75 25 33.5874 47.558.71 5 36 08 46 33.6024 47.560.25 5 10 86 19 33.6064 47.560.65 5 10 61 18 33.6124 47.561.24 5 18 22 27 33.5874 47.558.72 5 36 20 46 33.6024 47.560.25 5 10 86 19 33.6064 47.560.65 5 10 62 18 33.6124 47.561.24 5 19 22 27 33.5874 47.558.75 5 36 21 46 33.6024 47.560.25 5 10 86 19 33.6064 47.560.6	33.5806	47.558.06	S 34 35	43	33.6007	47.560.07	S 10 13	17	33.6044	47.560.44	S 10 08	17	33.6081	47.560.81	S 10 45	18
33.5809 47.558.09 \$34.29 43 33.6010 47.560.10 \$10.16 17 33.6044 47.560.47 \$10.10 17 33.6084 47.560.84 \$10.49 18 33.5811 47.558.11 \$34.15 43 33.6011 47.560.11 \$10.17 17 33.6048 47.560.48 \$10.12 17 33.6085 47.560.85 \$10.49 18 33.5812 47.558.12 \$34.18 43 33.6012 47.560.12 \$10.18 17 33.6048 47.560.49 \$10.19 17 33.6086 47.560.86 \$10.50 18 33.5814 47.558.14 \$34.14 43 33.6013 47.560.13 \$10.25 17 33.6054 47.560.50 \$10.20 17 33.6086 47.560.86 \$10.50 18 33.5817 47.558.17 \$34.01 43 33.6014 47.560.14 \$10.26 17 33.6014 47.560.15 \$10.25 17 33.6014 47.560.15 \$10.25 17 33.6014 47.560.15 \$10.27 17 33.6014 47.560.16 \$10.27 17 33.6014 47.560.16 \$10.27 17 33.6014 47.560.16 \$10.28 17 33.6014 47.560.18 \$10.24 17 33	33.5807	47.558.07	S 34 13	43	33.6008	47.560.08	S 10 14	17	33.6045	47.560.45	S 10 09	17	33.6082	47.560.82	S 10 46	18
33.5811 47.558.11 S 34 15 43 33.6012 47.560.12 S 10 18 17 33.6048 47.560.48 S 10 12 17 33.6085 47.560.86 S 10 49 18 33.5812 47.558.12 S 34 18 43 33.6012 47.560.12 S 10 18 17 33.6049 47.560.49 S 10 19 17 33.6086 47.560.86 S 10 50 18 33.5814 47.558.14 S 34 14 43 33.6013 47.560.13 S 10 25 17 33.6049 47.560.49 S 10 19 17 33.6086 47.560.86 S 10 50 18 33.5817 47.558.17 S 34 01 43 33.6014 47.560.14 S 10 26 17 33.6014 47.560.15 S 10 20 17 33.6086 47.560.88 S 14 58 23 33.5818 47.581.88 S 34 04 43 33.6015 47.560.15 S 10 27 17 33.6052 47.560.52 S 10 22 17 33.6089 47.560.89 S 14 57 23 33.5819 47.558.19 S 34 05 43 33.6016 47.560.16 S 10 28 17 33.6054 47.560.53 S 10 23 17 33.6091 47.560.91 S 14 56 23 33.5822 47.558.22 S 34 38 43 33.6016 47.560.17 S 10 29 17 33.6054 47.560.55 S 10 84 19 33.6014 47.561.00 S 16 01 24 33.5822 47.558.22 S 34 38 43 33.6018 47.560.18 S 10 30 17 33.6054 47.560.55 S 10 84 19 33.6101 47.561.01 S 13 12 22 33.5824 47.558.25 S 36 03 46 33.6024 47.560.20 S 10 35 18 33.6055 47.560.55 S 10 84 19 33.6104 47.561.02 S 16 05 27 33.5852 47.558.25 S 36 03 46 33.6024 47.560.25 S 10 35 18 33.6056 47.560.55 S 10 31 17 33.6054 47.561.02 S 16 05 27 33.5852 47.558.55 S 36 02 46 33.6024 47.560.22 S 10 37 18 33.6056 47.560.55 S 10 31 17 33.6104 47.561.04 S 18 06 27 33.5852 47.558.55 S 36 02 46 33.6022 47.560.22 S 10 37 18 33.6058 47.560.55 S 10 83 19 33.6104 47.561.04 S 18 06 27 33.5852 47.558.75 S 36 18 46 33.6022 47.560.22 S 10 39 18 33.6058 47.560.55 S 10 83 19 33.6124 47.561.22 S 16 75 25 33.5872 47.558.75 S 36 14 46 33.6024 47.560.25 S 10 85 19 33.6064 47.560.45 S 10 81 19 33.6024 47.561.24 S 18 22 27 33.5873 47.558.75 S 36 14 46 33.6024 47.560.25 S 10 86 19 33.6064 47.560.46 S 10 61 18 33.6024 47.561.40 S 19 10 28 33.5873 47.558.75 S 36 21 46 33.6024 47.560.25 S 10 86 19 33.6064 47.560.46 S 10 61 18 33.6124 47.561.42 S 19 10 28 33.5873 47.558.75 S 36 21 46 33.6024 47.560.25 S 10 86 19 33.6064 47.560.46 S 10 63 18 33.6144 47.561.44 S 19 10 28 33.5873 47.558.75 S 36 21 46 33.6024 47.560.25 S 10 86 19 33.6064 47.560.6	33.5808	47.558.08	S 34 02	43	33.6009	47.560.09	S 10 15	17	33.6046	47.560.46	S 10 11	17	33.6083	47.560.83	S 10 47	18
33.5812 47.558.12 S 34 18 43 33.6012 47.560.12 S 10 18 17 33.6043 47.560.49 S 10 19 17 33.6086 47.560.86 S 10 50 18 33.5814 47.558.14 S 34 14 43 33.6013 47.560.13 S 10 25 17 33.6051 47.560.50 S 10 20 17 33.6087 47.560.87 S 14 55 23 33.5817 47.558.17 S 34 01 43 33.6014 47.560.14 S 10 26 17 33.6051 47.560.51 S 10 21 17 33.6088 47.560.88 S 14 58 23 33.5818 47.538.18 S 34 04 43 33.6015 47.560.15 S 10 27 17 33.6052 47.560.52 S 10 22 17 33.6089 47.560.89 S 14 57 23 33.5819 47.538.19 S 34 05 43 33.6016 47.560.16 S 10 28 17 33.6052 47.560.53 S 10 23 17 33.6091 47.560.91 S 14 56 23 33.5822 47.558.22 S 34 38 43 33.6016 47.560.17 S 10 29 17 33.6054 47.560.54 S 10 24 17 33.6010 47.561.01 S 13 12 22 33.5824 47.558.25 S 36 03 46 33.6019 47.560.19 S 10 34 18 33.6054 47.560.55 S 10 84 19 33.6101 47.561.01 S 13 12 22 33.5851 47.558.51 S 36 17 46 33.6021 47.560.21 S 10 36 18 33.6054 47.560.58 S 10 31 17 33.6104 47.561.02 S 16 06 24 33.5852 47.558.52 S 36 18 46 33.6021 47.560.21 S 10 36 18 33.6054 47.560.58 S 10 31 17 33.6104 47.561.02 S 16 06 24 33.5852 47.558.55 S 36 02 46 33.6021 47.560.22 S 10 37 18 33.6054 47.560.58 S 10 31 17 33.6104 47.561.02 S 16 06 27 33.5852 47.558.55 S 36 02 46 33.6022 47.560.22 S 10 37 18 33.6054 47.560.58 S 10 31 17 33.6104 47.561.12 S 18 23 27 33.5852 47.558.55 S 36 02 46 33.6024 47.560.22 S 10 37 18 33.6054 47.560.59 S 10 32 17 33.6124 47.561.21 S 18 23 27 33.5852 47.558.75 S 36 02 46 33.6024 47.560.25 S 10 85 19 33.6024 47.560.65 S 10 81 19 33.6124 47.561.22 S 16 75 25 33.5872 47.558.75 S 36 02 46 33.6024 47.560.25 S 10 85 19 33.6024 47.560.65 S 10 81 19 33.6124 47.561.22 S 16 75 25 33.5873 47.558.75 S 36 02 46 33.6024 47.560.25 S 10 85 19 33.6064 47.560.65 S 10 81 19 33.6124 47.561.21 S 18 23 27 33.5873 47.558.75 S 36 02 46 33.6024 47.560.25 S 10 85 19 33.6064 47.560.65 S 10 81 19 33.6124 47.561.24 S 18 22 27 33.5873 47.558.75 S 36 31 46 33.6024 47.560.28 S 10 85 19 33.6064 47.560.65 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5873 47.558.75 S 36 31 46 33.6024 47.560.29 S 10 42 18 33.6064 47.560.6	33.5809	47.558.09	S 34 29	43	33.6010	47.560.10	S 10 16	17	33.6047	47.560.47	S 10 10	17	33.6084	47.560.84	S 10 48	18
33.5814 47.558.14 5 34 14 43 33.6013 47.560.13 5 10 25 17 33.6050 47.560.50 5 10 20 17 33.6087 47.560.87 5 14 55 23 33.5818 47.558.17 5 34 01 43 33.6014 47.560.14 5 10 26 17 33.6050 47.560.51 5 10 21 17 33.6088 47.560.88 5 14 58 23 33.5818 47.538.18 5 34 04 43 33.6015 47.560.15 5 10 27 17 33.6051 47.560.52 5 10 22 17 33.6088 47.560.88 5 14 58 23 33.5818 47.538.19 5 34 05 43 33.6015 47.560.15 5 10 27 17 33.6052 47.560.52 5 10 22 17 33.6089 47.560.89 5 14 57 23 33.5819 47.538.20 5 34 06 43 33.6017 47.560.17 5 10 29 17 33.6054 47.560.52 5 10 22 17 33.6091 47.560.91 5 14 5 23 33.5822 47.558.22 5 34 38 43 33.6018 47.560.17 5 10 29 17 33.6054 47.560.55 5 10 84 19 33.6100 47.561.00 5 16 01 24 33.5822 47.558.25 5 36 03 46 33.6019 47.560.21 5 10 34 18 33.6056 47.560.55 5 10 84 19 33.6104 47.561.01 5 13 12 22 33.5851 47.558.55 5 36 03 46 33.6021 47.560.21 5 10 35 18 33.6058 47.560.57 5 10 41 18 33.6103 47.561.02 5 16 06 24 33.5852 47.558.55 5 36 03 46 33.6021 47.560.22 5 10 35 18 33.6058 47.560.58 5 10 31 17 33.6104 47.561.02 5 16 06 24 33.5852 47.558.55 5 36 03 46 33.6022 47.560.22 5 10 35 18 33.6058 47.560.58 5 10 31 17 33.6104 47.561.02 5 16 02 27 33.5851 47.558.55 5 36 03 46 33.6022 47.560.22 5 10 37 18 33.6058 47.560.59 5 10 31 17 33.6104 47.561.02 5 16 72 25 33.5853 47.558.55 5 36 02 46 33.6022 47.560.22 5 10 39 18 33.6058 47.560.60 5 10 33 18 33.6124 47.561.22 5 16 75 25 33.5873 47.558.75 5 36 02 46 33.6024 47.560.25 5 10 85 19 33.6058 47.560.60 5 10 83 19 33.6124 47.561.22 5 16 75 25 33.5873 47.558.75 5 36 20 46 33.6024 47.560.25 5 10 86 19 33.6064 47.560.65 5 10 61 18 33.6124 47.561.42 5 19 11 28 33.5873 47.558.75 5 36 21 46 33.6024 47.560.28 5 10 86 19 33.6064 47.560.65 5 10 61 18 33.6124 47.561.42 5 19 11 28 33.5873 47.558.75 5 36 21 46 33.6024 47.560.28 5 10 86 19 33.6064 47.560.65 5 10 62 18 33.6124 47.561.42 5 19 11 28 33.5873 47.558.75 5 36 21 46 33.6024 47.560.28 5 10 58 18 33.6064 47.560.65 5 10 63 18 33.6144 47.561.42 5 19 11 28 33.5874 47.558.75 5 36 21 46 33.6024 47.560.28 5 10 59 18 33.6064 47.560.65	33.5811	47.558.11	S 34 15	43	33.6011	47.560.11	S 10 17	17	33.6048	47.560.48	S 10 12	17	33.6085	47.560.85	S 10 49	18
33.5817 47.558.77 \$ 34 01 43 33.6014 47.560.14 \$ 10 26 17 33.6051 47.560.51 \$ 10 21 17 33.6088 47.560.88 \$ 14 58 23 33.5818 47.538.18 \$ 34 04 43 33.6015 47.560.15 \$ 10 27 17 33.6052 47.560.52 \$ 10 22 17 33.6089 47.560.88 \$ 14 57 23 33.5819 47.538.19 \$ 34 05 43 33.6016 47.560.16 \$ 10 28 17 33.6052 47.560.52 \$ 10 22 17 33.6094 47.560.89 \$ 14 57 23 33.5820 47.538.20 \$ 34 06 43 33.6017 47.560.17 \$ 10 29 17 33.6053 47.560.53 \$ 10 23 17 33.6091 47.560.91 \$ 14 56 23 33.5822 47.558.22 \$ 34 38 43 33.6018 47.560.18 \$ 10 30 17 33.6055 47.560.55 \$ 10 84 19 33.6100 47.561.00 \$ 16 10 24 33.5822 47.558.24 \$ 36 01 46 33.6019 47.560.19 \$ 10 34 18 33.6055 47.560.55 \$ 10 84 19 33.6101 47.561.01 \$ 13 12 22 33.5824 47.558.25 \$ 36 03 46 33.6020 47.560.20 \$ 10 35 18 33.6057 47.560.57 \$ 10 41 18 33.6103 47.561.02 \$ 16 06 24 33.5825 47.558.25 \$ 36 18 46 33.6022 47.560.22 \$ 10 37 18 33.6058 47.560.58 \$ 10 31 17 33.6104 47.561.02 \$ 16 06 27 33.5852 47.558.55 \$ 36 07 46 33.6022 47.560.25 \$ 10 37 18 33.6058 47.560.59 \$ 10 32 17 33.612 47.561.02 \$ 16 06 27 33.5853 47.558.55 \$ 36 07 46 33.6022 47.560.25 \$ 10 37 18 33.6058 47.560.59 \$ 10 32 17 33.6124 47.561.20 \$ 16 22 5 33.5853 47.558.55 \$ 36 07 46 33.6022 47.560.25 \$ 10 37 18 33.6058 47.560.60 \$ 10 33 18 33.6124 47.561.22 \$ 18 23 27 33.5855 47.558.75 \$ 36 07 46 33.6025 47.560.25 \$ 10 85 19 33.6064 47.560.61 \$ 10 82 19 33.6124 47.561.22 \$ 18 22 27 33.5857 47.558.75 \$ 36 08 46 33.6026 47.560.25 \$ 10 85 19 33.6064 47.560.65 \$ 10 81 18 33.6124 47.561.22 \$ 18 22 27 33.5873 47.558.73 \$ 36 13 46 46 33.6026 47.560.25 \$ 10 85 19 33.6064 47.560.65 \$ 10 61 18 33.6124 47.561.24 \$ 18 22 27 33.5873 47.558.75 \$ 36 14 46 33.6026 47.560.25 \$ 10 85 19 33.6064 47.560.65 \$ 10 63 18 33.6124 47.561.24 \$ 18 22 27 33.5873 47.558.75 \$ 36 21 46 33.6026 47.560.25 \$ 10 85 18 33.6066 47.560.65 \$ 10 63 18 33.6124 47.561.42 \$ 19 10 28 33.5873 47.558.75 \$ 36 14 46 33.6026 47.560.30 \$ 10 52 18 33.6066 47.560.66 \$ 10 63 18 33.6144 47.561.44 \$ 19 10 28 33.5875 47.558.75 \$ 36 11 46 33.6024 47.560.30 \$ 10 52 18 33.6066 47.560.	33.5812	47.558.12	S 34 18	43	33.6012	47.560.12	S 10 18	17	33.6049	47.560.49	S 10 19	17	33.6086	47.560.86	S 10 50	18
33.5818 47.538.18 5 34 04 43 33.6015 47.560.15 5 10 27 17 33.6052 47.560.52 5 10 22 17 33.6089 47.560.89 5 14 57 23 35.818 47.538.19 5 34 05 43 33.6015 47.560.16 5 10 28 17 33.6053 47.560.53 5 10 23 17 33.6091 47.560.91 5 14 56 23 35.822 47.558.20 5 34 08 43 33.6017 47.560.17 5 10 29 17 33.6054 47.560.54 5 10 24 17 33.6100 47.561.00 5 16 01 24 33.5822 47.558.22 5 34 38 43 33.6018 47.560.18 5 10 30 17 33.6055 47.560.55 5 10 84 19 33.6101 47.561.01 5 13 12 22 33.5824 47.558.25 5 36 03 46 33.6020 47.560.20 5 10 35 18 33.6056 47.560.55 5 10 84 19 33.6102 47.561.02 5 16 06 24 33.5825 47.558.25 5 36 18 46 33.6020 47.560.21 5 10 36 18 33.6058 47.560.58 5 10 31 17 33.6104 47.561.04 5 18 06 27 33.5852 47.558.55 5 36 03 46 33.6022 47.560.22 5 10 37 18 33.6059 47.560.59 5 10 32 17 33.6120 47.561.20 5 16 72 25 33.5853 47.558.55 5 36 02 46 33.6024 47.560.24 5 10 39 18 33.6054 47.560.65 5 10 83 19 33.6122 47.561.22 5 16 75 25 33.5871 47.558.70 5 36 07 461 33.6025 47.560.25 5 10 85 19 33.6054 47.560.63 5 10 81 19 33.6122 47.561.22 5 16 75 25 33.5872 47.558.70 5 36 07 461 33.6025 47.560.25 5 10 85 19 33.6054 47.560.65 5 10 81 19 33.6122 47.561.24 5 18 22 27 33.5872 47.558.70 5 36 07 461 33.6025 47.560.25 5 10 85 19 33.6054 47.560.65 5 10 81 19 33.6124 47.561.24 5 18 22 27 33.5873 47.558.70 5 36 07 461 33.6025 47.560.25 5 10 85 19 33.6064 47.560.64 5 10 81 19 33.6124 47.561.24 5 18 22 27 33.5872 47.558.70 5 36 07 461 33.6025 47.560.25 5 10 85 19 33.6064 47.560.65 5 10 81 18 33.6124 47.561.24 5 18 22 27 33.5873 47.558.71 5 36 08 461 33.6026 47.560.25 5 10 86 19 33.6026 47.560.65 5 10 81 18 33.6144 47.561.40 5 19 01 28 33.5873 47.558.75 5 36 21 461 33.6027 47.560.27 5 10 40 18 33.6066 47.560.65 5 10 63 18 33.6144 47.561.40 5 19 01 28 33.5873 47.558.75 5 36 21 461 33.6029 47.560.29 5 10 42 18 33.6066 47.560.65 5 10 63 18 33.6144 47.561.44 5 19 10 28 33.5875 47.558.75 5 36 21 461 33.6030 47.560.30 5 10 52 18 33.6066 47.560.66 5 10 54 18 33.6144 47.561.44 5 19 10 28 33.5875 47.558.75 5 36 21 461 33.6030 47.560.30 5 10 52 18 33.6066	33.5814	47.558.14	S 34 14	43	33.6013	47.560.13	S 10 25	17	33.6050	47.560.50	S 10 20	17	33.6087	47.560.87	S 14 55	23
33.5819 47.538.19 \$ 34.05	33.5817	47.558.17	S 34 01	43	33.6014	47.560.14	S 10 26	17	33.6051	47.560.51	S 10 21	17	33.6088	47.560.88	S 14 58	23
33.5820 47.538.20 S 34 06 43 33.6017 47.560.17 S 10 29 17 33.6054 47.560.54 S 10 24 17 33.6100 47.561.00 S 16 01 24 33.5822 47.558.22 S 34 38 43 33.6018 47.560.18 S 10 30 17 33.6055 47.560.55 S 10 84 19 33.6101 47.561.01 S 13 12 22 33.5824 47.558.24 S 36 01 46 33.6029 47.560.29 S 10 34 18 33.6056 47.560.56 S 10 81 19 33.6102 47.561.03 S 18 05 27 33.5851 47.558.25 S 36 03 46 33.6021 47.560.20 S 10 35 18 33.6058 47.560.57 S 10 41 18 33.6103 47.561.03 S 18 05 27 33.5852 47.558.25 S 36 18 46 33.6022 47.560.22 S 10 37 18 33.6058 47.560.58 S 10 31 17 33.6104 47.561.03 S 18 06 27 33.5852 47.558.55 S 36 02 46 33.6022 47.560.22 S 10 37 18 33.6058 47.560.60 S 10 33 18 33.6121 47.561.20 S 16 72 25 33.5870 47.558.70 S 36 07 46¹ 33.6025 47.560.25 S 10 85 19 33.6064 47.560.60 S 10 33 18 33.6122 47.561.22 S 16 75 25 33.5871 47.558.71 S 36 08 46¹ 33.6025 47.560.25 S 10 86 19 33.6064 47.560.64 S 10 81 19 33.6124 47.561.20 S 16 72 27 33.5872 47.558.72 S 36 20 46¹ 33.6026 47.560.25 S 10 86 19 33.6064 47.560.65 S 10 81 19 33.6124 47.561.20 S 16 75 25 33.5871 47.558.71 S 36 08 46¹ 33.6026 47.560.25 S 10 86 19 33.6064 47.560.65 S 10 81 19 33.6124 47.561.20 S 16 75 25 33.5872 47.558.72 S 36 20 46¹ 33.6026 47.560.25 S 10 86 19 33.6064 47.560.64 S 10 61 18 33.6124 47.561.24 S 18 22 27 33.5873 47.558.72 S 36 20 46¹ 33.6028 47.560.25 S 10 86 19 33.6064 47.560.64 S 10 61 18 33.6144 47.561.40 S 19 01 28 33.5873 47.558.72 S 36 14 46¹ 33.6029 47.560.27 S 10 40 18 33.6065 47.560.65 S 10 62 18 33.6144 47.561.40 S 19 01 28 33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.30 S 10 52 18 33.6066 47.560.66 S 10 63 18 33.6144 47.561.44 S 19 10 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5875 47.558.75 S 36 21 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5875 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6	33.5818	47.538.18	S 34 04	43	33.6015	47.560.15	S 10 27	17	33.6052	47.560.52	S 10 22	17	33.6089	47.560.89	S 14 57	23
33.5822 47.558.22 5 34 38 43 33.6018 47.560.18 5 10 30 17 33.6055 47.560.55 5 10 84 19 33.6101 47.561.01 5 13 12 22 33.5824 47.558.24 5 36 01 46 33.6019 47.560.19 5 10 34 18 33.6056 47.560.56 5 10 81 19 33.6102 47.561.02 5 16 06 24 33.5825 47.558.25 5 36 03 46 33.6021 47.560.20 5 10 35 18 33.6056 47.560.57 5 10 41 18 33.6103 47.561.03 5 18 05 27 33.5851 47.558.51 5 36 17 46 33.6021 47.560.21 5 10 36 18 33.6058 47.560.58 5 10 31 17 33.6104 47.561.04 5 18 06 27 33.5852 47.558.52 5 36 18 46 33.6022 47.560.22 5 10 37 18 33.6058 47.560.59 5 10 32 17 33.6120 47.561.20 5 16 72 25 33.5853 47.558.53 5 36 19 46 33.6023 47.560.23 5 10 38 18 33.6064 47.560.60 5 10 33 18 33.6122 47.561.21 5 18 23 27 33.5855 47.558.55 5 36 02 46 33.6024 47.560.24 5 10 39 18 33.6064 47.560.61 5 10 82 19 33.6122 47.561.22 5 16 75 25 33.5870 47.558.70 5 36 07 46¹ 33.6028 47.560.25 5 10 86 19 33.6062 47.560.62 5 10 83 19 33.6122 47.561.23 5 18 21 27 33.5872 47.558.72 5 36 20 46¹ 33.6028 47.560.25 5 10 86 19 33.6064 47.560.64 5 10 61 18 33.6124 47.561.40 5 19 01 28 33.5873 47.558.73 5 36 13 46¹ 33.6028 47.560.29 5 10 58 18 33.6064 47.560.65 5 10 62 18 33.6144 47.561.40 5 19 10 28 33.5874 47.558.74 5 36 14 46¹ 33.6028 47.560.29 5 10 58 18 33.6066 47.560.65 5 10 62 18 33.6144 47.561.41 5 19 10 28 33.5874 47.558.75 5 36 21 46¹ 33.6028 47.560.39 5 10 52 18 33.6066 47.560.66 5 10 63 18 33.6144 47.561.43 5 19 10 28 33.5874 47.558.75 5 36 21 46¹ 33.6028 47.560.39 5 10 52 18 33.6066 47.560.67 5 10 53 18 33.6144 47.561.44 5 19 10 28 33.5875 47.558.75 5 36 21 46¹ 33.6034 47.560.30 5 10 52 18 33.6068 47.560.67 5 10 53 18 33.6144 47.561.44 5 19 06 28 33.5876 47.558.76 5 36 21 46¹ 33.6034 47.560.31 5 10 59 18 33.6068 47.560.68 5 10 54 18 33.6144 47.561.44 5 19 06 28 33.5876 47.558.76 5 36 21 46¹ 33.6034 47.560.31 5 10 59 18 33.6068 47.560.68 5 10 54 18 33.6144 47.561.44 5 19 06 28 33.5876 47.558.76 5 36 21 46¹ 33.6034 47.560.31 5 10 59 18 33.6068 47.560.68 5 10 54 18 33.6144 47.561.44 5 19 06 28 33.5876 47.558.76 5 36 21 46¹ 33.6034 47.560.31 5 10 59 18 33.60	33.5819	47.538.19	S 34 05	43	33.6016	47.560.16	S 10 28	17	33.6053	47.560.53	S 10 23	17	33.6091	47.560.91	S 14 56	23
33.5824 47.558.24 S 36 01 46 33.6019 47.560.19 S 10 34 18 33.6056 47.560.56 S 10 81 19 33.6102 47.561.02 S 16 06 24 33.5825 47.558.25 S 36 03 46 33.6020 47.560.20 S 10 35 18 33.6057 47.560.57 S 10 41 18 33.6103 47.561.03 S 18 05 27 33.5851 47.558.51 S 36 17 46 33.6021 47.560.21 S 10 36 18 33.6058 47.560.58 S 10 31 17 33.6104 47.561.04 S 18 06 27 33.5852 47.558.52 S 36 18 46 33.6022 47.560.22 S 10 37 18 33.6059 47.560.59 S 10 32 17 33.6120 47.561.20 S 16 72 25 33.5853 47.558.53 S 36 19 46 33.6023 47.560.23 S 10 38 18 33.6060 47.560.60 S 10 33 18 33.6122 47.561.21 S 18 23 27 33.5855 47.558.55 S 36 02 46 33.6024 47.560.24 S 10 39 18 33.6061 47.560.61 S 10 82 19 33.6122 47.561.22 S 16 75 25 33.5870 47.558.71 S 36 08 461 33.6025 47.560.25 S 10 85 19 33.6062 47.560.63 S 10 51 18 33.6124 47.561.24 S 18 22 27 33.5872 47.558.72 S 36 20 461 33.6026 47.560.26 S 10 86 19 33.6026 47.560.63 S 10 51 18 33.6124 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 461 33.6028 47.560.29 S 10 42 18 33.6064 47.560.66 S 10 63 18 33.6144 47.561.41 S 19 10 28 33.5873 47.558.75 S 36 21 461 33.6028 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6144 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 461 33.6028 47.560.30 S 10 52 18 33.6066 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 10 28 33.5875 47.558.76 S 36 21 461 33.6028 47.560.30 S 10 52 18 33.6066 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 10 28 33.5875 47.558.76 S 36 21 461 33.6028 47.560.30 S 10 52 18 33.6066 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 10 28 33.5875 47.558.76 S 36 21 461 33.6030 47.560.30 S 10 52 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 10 28 33.5876 47.558.76 S 36 21 461 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 10 28 33.5876 47.558.76 S 36 21 461 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 10 28 33.5876 47.558.76 S 36 21 461 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 10 28 33.5876 47.558.76 S 36 11 461 33.6031 47.560.31 S 10 59 18 33.6	33.5820	47.538.20	S 34 06	43	33.6017	47.560.17	S 10 29	17	33.6054	47.560.54	S 10 24	17	33.6100	47.561.00	S 16 01	24
33.5825 47.558.25 S 36 03 46 33.6020 47.560.20 S 10 35 18 33.6057 47.560.57 S 10 41 18 33.6103 47.561.03 S 18 05 27 33.5851 47.558.51 S 36 17 46 33.6021 47.560.21 S 10 36 18 33.6058 47.560.58 S 10 31 17 33.6104 47.561.04 S 18 06 27 33.5852 47.558.52 S 36 18 46 33.6022 47.560.22 S 10 37 18 33.6059 47.560.59 S 10 32 17 33.6120 47.561.20 S 16 72 25 33.5853 47.558.53 S 36 19 46 33.6023 47.560.23 S 10 38 18 33.6060 47.560.60 S 10 33 18 33.6121 47.561.21 S 18 23 27 33.5855 47.558.55 S 36 02 46 33.6024 47.560.24 S 10 39 18 33.6061 47.560.61 S 10 82 19 33.6122 47.561.22 S 16 75 25 33.5870 47.558.71 S 36 08 46¹ 33.6025 47.560.25 S 10 85 19 33.6062 47.560.62 S 10 83 19 33.6123 47.561.23 S 18 21 27 33.5872 47.558.72 S 36 20 46¹ 33.6026 47.560.26 S 10 86 19 33.6063 47.560.63 S 10 51 18 33.6124 47.561.24 S 18 22 27 33.5872 47.558.73 S 36 13 46¹ 33.6028 47.560.28 S 10 58 18 33.6064 47.560.64 S 10 61 18 33.6140 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 46¹ 33.6029 47.560.29 S 10 42 18 33.6066 47.560.65 S 10 63 18 33.6142 47.561.42 S 19 10 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6068 47.560.66 S 10 63 18 33.6143 47.561.42 S 19 11 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 21 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 21 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5822	47.558.22	S 34 38	43	33.6018	47.560.18	S 10 30	17	33.6055	47.560.55	S 10 84	19	33.6101	47.561.01	S 13 12	22
33.5851 47.558.51 S 36 17	33.5824	47.558.24	S 36 01	46	33.6019	47.560.19	S 10 34	18	33.6056	47.560.56	S 10 81	19	33.6102	47.561.02	S 16 06	24
33.5852 47.558.52 S 36 18 46 33.6022 47.560.22 S 10 37 18 33.6059 47.560.59 S 10 32 17 33.6120 47.561.20 S 16 72 25 33.5853 47.558.53 S 36 19 46 33.6023 47.560.23 S 10 38 18 33.6060 47.560.60 S 10 33 18 33.6121 47.561.21 S 18 23 27 33.5855 47.558.55 S 36 02 46 33.6024 47.560.24 S 10 39 18 33.6061 47.560.61 S 10 82 19 33.6122 47.561.22 S 16 75 25 33.5870 47.558.70 S 36 07 46¹ 33.6025 47.560.25 S 10 85 19 33.6062 47.560.62 S 10 83 19 33.6123 47.561.23 S 18 21 27 33.5871 47.558.71 S 36 08 46¹ 33.6026 47.560.26 S 10 86 19 33.6063 47.560.63 S 10 51 18 33.6124 47.561.24 S 18 22 27 33.5872 47.558.72 S 36 20 46¹ 33.6027 47.560.27 S 10 40 18 33.6064 47.560.64 S 10 61 18 33.6140 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 46¹ 33.6028 47.560.28 S 10 58 18 33.6066 47.560.65 S 10 62 18 33.6141 47.561.41 S 19 10 28 33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.30 S 10 52 18 33.6066 47.560.66 S 10 53 18 33.6144 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5825	47.558.25	S 36 03	46	33.6020	47.560.20	S 10 35	18	33.6057	47.560.57	S 10 41	18	33.6103	47.561.03	S 18 05	27
33.5853 47.558.53 S 36 19 46 33.6023 47.560.23 S 10 38 18 33.6060 47.560.60 S 10 33 18 33.6121 47.561.21 S 18 23 27 33.5855 47.558.55 S 36 02 46 33.6024 47.560.24 S 10 39 18 33.6061 47.560.61 S 10 82 19 33.6122 47.561.22 S 16 75 25 33.5870 47.558.70 S 36 07 46¹ 33.6025 47.560.25 S 10 85 19 33.6062 47.560.62 S 10 83 19 33.6123 47.561.23 S 18 21 27 33.5871 47.558.71 S 36 08 46¹ 33.6026 47.560.26 S 10 86 19 33.6063 47.560.63 S 10 51 18 33.6124 47.561.24 S 18 22 27 33.5872 47.558.72 S 36 20 46¹ 33.6027 47.560.27 S 10 40 18 33.6064 47.560.64 S 10 61 18 33.6140 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 46¹ 33.6028 47.560.28 S 10 58 18 33.6065 47.560.65 S 10 62 18 33.6141 47.561.41 S 19 10 28 33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5851	47.558.51	S 36 17	46	33.6021	47.560.21	S 10 36	18	33.6058	47.560.58	S 10 31	17	33.6104	47.561.04	S 18 06	27
33.5855 47.558.55 S 36 02 46 33.6024 47.560.24 S 10 39 18 33.6061 47.560.61 S 10 82 19 33.6122 47.561.22 S 16 75 25 33.5870 47.558.70 S 36 07 46¹ 33.6025 47.560.25 S 10 85 19 33.6062 47.560.62 S 10 83 19 33.6123 47.561.23 S 18 21 27 33.5871 47.558.71 S 36 08 46¹ 33.6026 47.560.26 S 10 86 19 33.6063 47.560.63 S 10 51 18 33.6124 47.561.24 S 18 22 27 33.5872 47.558.72 S 36 20 46¹ 33.6027 47.560.27 S 10 40 18 33.6064 47.560.64 S 10 61 18 33.6140 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 46¹ 33.6028 47.560.28 S 10 58 18 33.6065 47.560.65 S 10 62 18 33.6141 47.561.41 S 19 10 28 33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6068 47.560.67 S 10 53 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5852	47.558.52	S 36 18	46	33.6022	47.560.22	S 10 37	18	33.6059	47.560.59	S 10 32	17	33.6120	47.561.20	S 16 72	25
33.5870 47.558.70 S 36 07 46¹ 33.6025 47.560.25 S 10 85 19 33.6062 47.560.62 S 10 83 19 33.6123 47.561.23 S 18 21 27 33.5871 47.558.71 S 36 08 46¹ 33.6026 47.560.26 S 10 86 19 33.6063 47.560.63 S 10 51 18 33.6124 47.561.24 S 18 22 27 33.5872 47.558.72 S 36 20 46¹ 33.6027 47.560.27 S 10 40 18 33.6064 47.560.64 S 10 61 18 33.6140 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 46¹ 33.6028 47.560.28 S 10 58 18 33.6065 47.560.65 S 10 62 18 33.6141 47.561.41 S 19 10 28 33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6067 47.560.67 S 10 53 18 33.6144 47.561.44 S 19 06 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5853	47.558.53	S 36 19	46	33.6023	47.560.23	S 10 38	18	33.6060	47.560.60	S 10 33	18	33.6121	47.561.21	S 18 23	27
33.5871 47.558.71 S 36 08 461 33.6026 47.560.26 S 10 86 19 33.6063 47.560.63 S 10 51 18 33.6124 47.561.24 S 18 22 27 33.5872 47.558.72 S 36 20 461 33.6027 47.560.27 S 10 40 18 33.6064 47.560.64 S 10 61 18 33.6140 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 461 33.6028 47.560.28 S 10 58 18 33.6065 47.560.65 S 10 62 18 33.6141 47.561.41 S 19 10 28 33.5874 47.558.74 S 36 14 461 33.6029 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 461 33.6030 47.560.30 S 10 52 18 33.6067 47.560.67 S 10 53 18 33.6143 47.561.43 S 19 12 28 33.5876 47.558.76 S 36 11 461 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5855	47.558.55	S 36 02	46	33.6024	47.560.24	S 10 39	18	33.6061	47.560.61	S 10 82	19	33.6122	47.561.22	S 16 75	25
33.5872 47.558.72 S 36 20 46¹ 33.6027 47.560.27 S 10 40 18 33.6064 47.560.64 S 10 61 18 33.6140 47.561.40 S 19 01 28 33.5873 47.558.73 S 36 13 46¹ 33.6028 47.560.28 S 10 58 18 33.6065 47.560.65 S 10 62 18 33.6141 47.561.41 S 19 10 28 33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6067 47.560.67 S 10 53 18 33.6143 47.561.43 S 19 12 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5870	47.558.70	S 36 07	461	33.6025	47.560.25	S 10 85	19	33.6062	47.560.62	S 10 83	19	33.6123	47.561.23	S 18 21	27
33.5873 47.558.73 S 36 13 46¹ 33.6028 47.560.28 S 10 58 18 33.6065 47.560.65 S 10 62 18 33.6141 47.561.41 S 19 10 28 33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6067 47.560.67 S 10 53 18 33.6143 47.561.43 S 19 12 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5871	47.558.71	S 36 08	461	33.6026	47.560.26	S 10 86	19	33.6063	47.560.63	S 10 51	18	33.6124	47.561.24	S 18 22	27
33.5874 47.558.74 S 36 14 46¹ 33.6029 47.560.29 S 10 42 18 33.6066 47.560.66 S 10 63 18 33.6142 47.561.42 S 19 11 28 33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6067 47.560.67 S 10 53 18 33.6143 47.561.43 S 19 12 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5872	47.558.72	S 36 20	461	33.6027	47.560.27	S 10 40	18	33.6064	47.560.64	S 10 61	18	33.6140	47.561.40	S 19 01	28
33.5875 47.558.75 S 36 21 46¹ 33.6030 47.560.30 S 10 52 18 33.6067 47.560.67 S 10 53 18 33.6143 47.561.43 S 19 12 28 33.5876 47.558.76 S 36 11 46¹ 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5873	47.558.73	S 36 13	461	33.6028	47.560.28	S 10 58	18	33.6065	47.560.65	S 10 62	18	33.6141	47.561.41	S 19 10	28
33.5876 47.558.76 S 36 11 46 <sup>1</sup> 33.6031 47.560.31 S 10 59 18 33.6068 47.560.68 S 10 54 18 33.6144 47.561.44 S 19 06 28	33.5874	47.558.74	S 36 14	461	33.6029	47.560.29	S 10 42	18	33.6066	47.560.66	S 10 63	18	33.6142	47.561.42	S 19 11	28
	33.5875	47.558.75	S 36 21	461	33.6030	47.560.30	S 10 52	18	33.6067	47.560.67	S 10 53	18	33.6143	47.561.43	S 19 12	28
33.5877 47.558.77 S 36 81 47 <sup>1</sup> 33.6032 47.560.32 S 10 69 18 33.6069 47.560.69 S 10 55 18 33.6145 47.561.45 S 19 07 28	33.5876	47.558.76	S 36 11	461	33.6031	47.560.31	S 10 59	18	33.6068	47.560.68	S 10 54	18	33.6144	47.561.44	S 19 06	28
	33.5877	47.558.77	S 36 81	471	33.6032	47.560.32	S 10 69	18	33.6069	47.560.69	S 10 55	18	33.6145	47.561.45	S 19 07	28

<sup>1)</sup> Sign with the same message as IMPA and ISSA sign, but with a different format

IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page
33.6146	47.561.46	S 19 09	28	33.6759	47.567.59	S 12 09	19	33.6797	47.567.97	S 12 47	20	33.6838	47.568.38	S 12 88	21
33.6147	47.561.47	S 19 13	28	33.6760	47.567.60	S 12 10	19	33.6799	47.567.99	S 12 49	20	33.6841	47.568.41	S 12 91	21
33.6149	47.561.49	S 19 23	28	33.6761	47.567.61	S 12 11	19	33.6801	47.568.01	S 12 51	20	33.6842	47.568.42	S 12 92	21
33.6150	47.561.50	S 19 34	28	33.6762	47.567.62	S 12 12	19	33.6802	47.568.02	S 12 52	20	33.6843	47.568.43	S 12 93	21
33.6151	47.561.51	S 19 24	28	33.6763	47.567.63	S 12 13	19	33.6803	47.568.03	S 12 53	20	33.6844	47.568.44	S 12 94	21
33.6152	47.561.52	S 19 18	28	33.6764	47.567.64	S 12 14	19	33.6804	47.568.04	S 12 54	20	33.6845	47.568.45	S 12 95	21
33.6153	47.561.53	S 19 19	28	33.6765	47.567.65	S 12 15	19	33.6805	47.568.05	S 12 55	20	33.6846	47.568.46	S 12 96	21
33.6154	47.561.54	S 19 20	28	33.6766	47.567.66	S 12 16	19	33.6806	47.568.06	S 12 56	20	33.6847	47.568.47	S 13 82	23
33.6155	47.561.55	S 19 21	28	33.6767	47.567.67	S 12 17	19	33.6807	47.568.07	S 12 57	20	33.6849	47.568.49	S 13 83	23
33.6157	47.561.57	S 19 29	28	33.6768	47.567.68	S 12 18	19	33.6808	47.568.08	S 12 58	20	33.6854	47.568.54	S 13 84	23
33.6158	47.561.58	S 19 22	28	33.6769	47.567.69	S 12 19	19	33.6809	47.568.09	S 12 59	20	33.6848	47.568.48	S 13 85	23
33.6159	47.561.59	S 19 28	28	33.6770	47.567.70	S 12 20	19	33.6810	47.568.10	S 12 61	20	33.6853	47.568.53	S 13 86	23
33.6160	47.561.60	S 19 26	28	33.6771	47.567.71	S 12 21	19	33.6812	47.568.12	S 12 62	20	33.6850	47.568.50	S 13 87	23
33.6163	47.561.63	S 19 03	28	33.6772	47.567.72	S 12 22	19	33.6813	47.568.13	S 12 63	21	33.6855	47.568.55	S 13 88	23
33.6164	47.561.64	S 19 05	28	33.6773	47.567.73	S 12 23	19	33.6815	47.568.15	S 12 65	21	33.6851	47.568.51	S 13 89	23
33.6165	47.561.65	S 19 04	28	33.6774	47.567.74	S 12 24	19	33.6816	47.568.16	S 12 69	21	33.6856	47.568.56	S 13 90	23
33.6210	47.562.10	S 16 10	24	33.6775	47.567.75	S 12 25	19	33.6817	47.568.17	S 12 68	21	33.6857	47.568.57	S 12 97	21
33.6211	47.562.11	S 16 09	24	33.6776	47.567.76	S 12 26	19	33.6818	47.568.18	S 12 66	21	33.6858	47.568.58	S 12 98	21
33.6300	47.563.00	S 18 48	27	33.6777	47.567.77	S 12 27	20	33.6819	47.568.19	S 12 67	21	33.6865	47.568.65	S 13 05	22
33.6301	47.563.01	S 16 85	24	33.6778	47.567.78	S 12 28	20	33.6820	47.568.20	S 12 70	21	33.6867	47.568.67	S 13 07	22
33.6500	47.565.00	S 25 71	38	33.6779	47.567.79	S 12 29	20	33.6821	47.568.21	S 12 71	21	33.6869	47.568.69	S 13 09	22
33.6501	47.565.01	S 25 11	38	33.6780	47.567.80	S 12 30	20	33.6822	47.568.22	S 12 73	21	33.6043	47.560.43	S 13 10	22
33.6502	47.565.02	S 25 73	38	33.6781	47.567.81	S 12 31	20	33.6823	47.568.23	S 12 72	21	33.6056	47.560.56	S 13 13	22
33.6503	47.565.03	S 25 17	38	33.6782	47.567.82	S 12 32	20	33.6824	47.568.24	S 12 74	21	33.6872	47.568.72	S 13 12	22
33.6504	47.565.04	S 25 72	38	33.6783	47.567.83	S 12 33	20	33.6825	47.568.25	S 12 75	21	33.6875	47.568.75	S 13 15	22
33.6505	47.565.05	S 25 15	38	33.6784	47.567.84	S 12 34	20	33.6826	47.568.26	S 12 76	21	33.7000	47.570.00	S 32 71	42
33.6506	47.565.06	S 25 74	38	33.6785	47.567.85	S 12 35	20	33.6827	47.568.27	S 12 77	21	33.7500	47.575.00	S 30 01	401
33.6507	47.565.07	S 25 19	38	33.6786	47.567.86	S 12 36	20	33.6828	47.568.28	S 12 79	21	33.7501	47.575.01	S 30 06	401
33.6715	47.567.15	S 14 51	23	33.6787	47.567.87	S 12 37	20	33.6829	47.568.29	S 12 78	21	33.7502	47.575.02	S 30 12	401
33.6751	47.567.51	S 12 01	19	33.6788	47.567.88	S 12 38	20	33.6830	47.568.30	S 12 80	21	33.7503	47.575.03	S 30 09	401
33.6752	47.567.52	S 12 02	19	33.6789	47.567.89	S 12 39	20	33.6831	47.568.31	S 12 81	21	33.7504	47.575.04	S 30 03	401
33.6753	47.567.53	S 12 03	19	33.6790	47.567.90	S 12 40	20	33.6832	47.568.32	S 12 82	21	33.7505	47.575.05	S 31 04	411
33.6754	47.567.54	S 12 04	19	33.6791	47.567.91	S 12 41	20	33.6833	47.568.33	S 12 83	21	33.7506	47.575.06	S 31 03	411
33.6755	47.567.55	S 12 05	19	33.6792	47.567.92	S 12 42	20	33.6834	47.568.34	S 12 85	21	33.7507	47.575.07	S 31 01	411
33.6756	47.567.56	S 12 06	19	33.6793	47.567.93	S 12 43	20	33.6835	47.568.35	S 12 84	21	33.7508	47.575.08	S 30 07	401
33.6757	47.567.57	S 12 07	19	33.6794	47.567.94	S 12 44	20	33.6836	47.568.36	S 12 86	21	33.7509	47.575.09	S 31 02	411
33.6758	47.567.58	S 12 08	19	33.6795	47.567.95	S 12 45	20	33.6837	47.568.37	S 12 87	21	33.7510	47.575.10	S 31 07	411

<sup>1)</sup> Sign with the same message as IMPA and ISSA sign, but with a different format

IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page	IMPA	ISSA	Everlux	Page
33.7511	47.575.11	S 31 10	411	33.7584	47.575.84	S 30 77	401	33.7636	47.576.36	S 31 71	411	33.8544	47.585.44	S 38 66	49
33.7515	47.575.15	S 31 12	411	33.7585	47.575.85	S 30 78	401	33.7650	47.576.50	S 31 81	42 <sup>1</sup>	33.8545	47.585.45	S 38 64	49
33.7516	47.575.16	S 30 02	401	33.7587	47.575.87	S 31 54	411	33.7651	47.576.51	S 32 00	42 <sup>1</sup>	33.8546	47.585.46	S 38 65	49
33.7540	47.575.40	S 30 51	401	33.7590	47.575.90	S 31 77	411	33.7660	47.576.60	S 31 82	421	33.8547	47.585.47	S 39 95	51
33.7541	47.575.41	S 32 15	421	33.7591	47.575.91	S 31 78	411	33.7668	47.576.68	S 30 72	40¹	33.8548	47.585.48	S 38 70	49
33.7542	47.575.42	S 30 52	401	33.7596	47.575.96	S 31 79	411	33.7670	47.576.70	S 31 83	42 <sup>1</sup>	33.8549	47.585.49	S 38 63	49
33.7543	47.575.43	S 30 53	401	33.7597	47.575.97	S 31 80	411	33.7673	47.576.73	S 31 86	42 <sup>1</sup>	33.8550	47.585.50	S 39 52	50
33.7544	47.575.44	S 30 54	401	33.7598	47.575.98	S 32 58	42	33.7680	47.576.80	S 31 84	421	33.8550	47.585.50	S 40 17	51
33.7545	47.575.45	S 30 55	401	33.7600	47.576.00	S 31 72	411	33.7681	47.576.81	S 31 85	421	33.8551	47.585.51	S 39 58	50
33.7546	47.575.46	S 30 56	401	33.7601	47.576.01	S 31 73	411	33.7700	47.577.00	S 32 12	42	33.8552	47.585.52	S 39 57	50
33.7547	47.575.47	S 30 57	401	33.7604	47.576.04	S 31 74	411	33.7701	47.577.01	S 32 13	42	33.8553	47.585.53	S 38 71	49
33.7548	47.575.48	S 30 58	401	33.7605	47.576.05	S 31 75	411	33.8000	47.580.00	S 32 61	42	33.8555	47.585.55	S 39 60	50
33.7549	47.575.49	S 30 61	401	33.7610	47.576.10	S 31 51	411	33.8500	47.585.00	S 38 01	48	33.8556	47.585.56	S 39 67	50
33.7550	47.575.50	S 30 62	401	33.7611	47.576.11	S 31 52	411	33.8501	47.585.01	S 38 02	48	33.8557	47.585.57	S 38 60	49
33.7551	47.575.51	S 30 63	401	33.7613	47.576.13	S 31 53	411	33.8502	47.585.02	S 38 03	48	33.8559	47.585.59	S 38 61	49
33.7554	47.575.54	S 30 64	401	33.7614	47.576.14	S 31 60	411	33.8503	47.585.03	S 38 04	48	33.8560	47.585.60	S 39 63	50
33.7555	47.575.55	S 30 65	401	33.7615	47.576.15	S 31 59	411	33.8504	47.585.04	S 38 05	48	33.8561	47.585.61	S 39 64	50
33.7557	47.575.57	S 30 66	401	33.7616	47.576.16	S 31 57	411	33.8505	47.585.05	S 39 02	48	33.8563	47.585.63	S 39 51	50
33.7560	47.575.60	S 30 67	401	33.7617	47.576.17	S 31 58	411	33.8506	47.585.06	S 38 07	48	33.8564	47.585.64	S 38 72	49
33.7561	47.575.61	S 30 68	401	33.7618	47.576.18	S 31 56	411	33.8508	47.585.08	S 38 10	48	33.8565	47.585.65	S 39 65	50
33.7566	47.575.66	S 30 59	401	33.7619	47.576.19	S 31 55	411	33.8509	47.585.09	S 39 01	48	33.8566	47.585.66	S 39 66	50
33.7567	47.575.67	S 30 60	401	33.7620	47.576.20	S 30 82	401	33.8510	47.585.10	S 39 08	48	33.8567	47.585.67	S 39 68	50
33.7569	47.575.69	S 30 71	40	33.7623	47.576.23	S 30 83	401	33.8511	47.585.11	S 39 13	48	33.8568	47.585.68	S 39 55	50
33.7570	47.575.70	S 30 85	401	33.7623	47.576.23	S 32 75	421	33.8520	47.585.20	S 40 14	51	33.8569	47.585.69	S 39 56	50
33.7572	47.575.72	S 30 79	401	33.7624	47.576.24	S 30 69	401	33.8522	47.585.22	S 40 65	52	33.8570	47.585.70	S 39 54	50
33.7572	47.575.72	S 32 72	421	33.7624	47.576.24	S 32 73	421	33.8530	47.585.30	S 38 51	49	33.8570	47.585.70	S 40 15	51
33.7573	47.575.73	S 30 80	401	33.7625	47.576.25	S 31 61	411	33.8530	47.585.30	S 40 11	51	33.8574	47.585.74	S 39 91	51
33.7573	47.575.73	S 32 76	421	33.7626	47.576.26	S 31 62	411	33.8531	47.585.31	S 38 52	49	33.8574	47.585.74	S 40 16	51
33.7574	47.575.74	S 30 81	401	33.7627	47.576.27	S 31 63	411	33.8532	47.585.32	S 38 53	49	33.8575	47.585.75	S 40 12	51
33.7574	47.575.74	S 32 74	421	33.7628	47.576.28	S 31 64	411	33.8532	47.585.32	S 40 13	51	33.8576	47.585.76	S 39 59	50
33.7577	47.575.77	S 32 56	42	33.7629	47.576.29	S 30 84	401	33.8533	47.585.33	S 38 54	49	33.5747	47.557.47	S 40 01	51
33.7578	47.575.78	S 32 16	42	33.7630	47.576.30	S 31 67	411	33.8536	47.585.36	S 38 55	49	33.8619	47.586.19	S 40 02	51
33.7579	47.575.79	S 30 70	40	33.7631	47.576.31	S 31 65	411	33.8537	47.585.37	S 38 56	49	33.8619	47.586.19	S 40 20	51
33.7580	47.575.80	S 30 73	401	33.7632	47.576.32	S 31 68	411	33.8539	47.585.39	S 38 57	49	33.8567	47.585.67	S 40 04	51
33.7581	47.575.81	S 30 74	401	33.7633	47.576.33	S 31 69	411	33.8540	47.585.40	S 38 59	49	33.8690	47.586.90	S 39 81	50
33.7582	47.575.82	S 30 75	401	33.7634	47.576.34	S 31 70	411	33.8541	47.585.41	S 38 67	49	33.8691	47.586.91	S 39 82	50
33.7583	47.575.83	S 30 76	401	33.7635	47.576.35	S 31 66	411	33.8542	47.585.42	S 38 62	49	33.8692	47.586.92	S 39 83	50
1) Sign wi	th the same	message	as IMPA a	nd ISSA si	gn, but with	a differen	t format	33.8543	47.585.43	S 38 58	49	33.8695	47.586.95	S 42 31	56



## IMO regulations and applicable standards

IMO Resolution A.654(16)	
adopted on 19 October 1989	Graphical symbols for fire control plans
IMO Resolution A.752(18) adopted on 4 November 1993	Guidelines for the evaluation, testing and application of low-location lighting on passenger ships
IMO Resolution A.760(18) adopted on 4 November 1993	Symbols related to life-saving appliances and arrangements
IMO Resolution A.952(23) adopted on 5 December 2003	Graphical symbols for shipboard fire control plans
IMO Polar Code	Code for Ships Operating in Polar Waters
SOLAS Convention 2004 chapter II-2 Regulation 13.3.2.5	Construction – Fire protection, fire detection and fire extinction – Means of escape – Marking of escape routes
SOLAS Convention 2004 chapter II-2 Regulation 13.7.2.2	Construction – Fire protection, fire detection and fire extinction - Means of escape - Instruction for safe escape
SOLAS Convention 2004 chapter III-Regulation 9.2.3	Life-saving appliances and arrangements - Operating instructions
MARPOL Annex V, 2012 Revision	International Convention for the Prevention of Pollution from Ships
ISPS Code 2003 adopted on 12 December 2002	International Ship and Port Facility Code
ICAO and IMO document 9636	International signs to provide guidance to persons at airports and marine terminals
IMDG Code 2014 Edition	International Maritime Dangerous Goods (IMDG) Code
ISM Code 2014 Edition	International Safety Management (ISM) Code
European Directive 2014/90/EU	Directive marine equipment repealed Directive 96/98/EC
ISO 24409-1:2010	Ships and marine technology - Design, location and use of shipboard safety signs, safety related signs, safety notices and safety markings - Part 1: Design principles
ISO 24409 - 2: 2014	Ships and marine technology - Design, location and use of shipboard safety signs, safety-re-lated signs, safety notices and safety markings - Part 2: Catalogue
ISO 24409 - 3: 2014	Ships and marine technology - Design, location, and use of shipboard safety signs, safety-re-lated signs, safety notices and safety markings - Part 3: Code of practise
ISO 16069:2004	Graphical symbols - Safety signs - Safety way guidance systems (SWGS)
ISO 3864-1:2011	Graphical symbols -Safety colours and safety signs - Part 1: Design principles for safety signs and safety markings
ISO 3864-2:2016	Graphical symbols - Safety colours and safety signs -Part 2: Design principles for product safety labels
ISO 17631:2002	Ships and marine technology -Shipboard plans for fire protection, life-saving appliances and means of escape
ISO 15370:2010	Ships and marine technology -Low-location lighting (LLL) on passenger ships -Arrangement
ISO 14726:2008	Ships and marine technology - Identification colours for the content of piping systems
ISO 20712-1:2008	Water safety signs and beach safety flags - Part 1: Specifications for water safety signs used in workplaces and public areas
EN ISO 7010:2012	Graphical symbols - Safety colours and safety signs -Registered safety signs
DIN 67510-1:2009	Photoluminescent pigments and products - Part 1: Measurement and marking at the producer.
DIN 67510-4:2008	Phosphorescent pigments and products - Part 4: Products for phosphorescent escape route systems - Markings and applications
REG 13-36 (PYC) Passenger yacht code January 2016	The code of practice for yachts carrying 13 to 36 passengers pleasure and leisure sector
MCA LY3, 2014	The Large Commercial Yatch Code (LY3)
NORSOK STANDARD L-004, 2016	Piping fabrication, installation, flushing and testing
NORSOK STANDARD C-002, Edition 4, September 2015	Architectural components and equipment
NORSOK STANDARD S-001, Edition 4, February 2008	Technical safety
2009 MODU CODE	IMO Code for the Construction and Equipment of Mobile Offshore Drilling Units, 2009
GOST R 12.2.143-2009	Occupational safety standards system. Photoluminescent evacuation systems. Requirements and methods of test



and ® Everlux<sup>®</sup>-LLL signs.



