

Commission Implementing Regulation (EU) 2020/1170 of 16
July 2020 on design, construction and performance requirements
and testing standards for marine equipment and repealing
Implementing Regulation (EU) 2019/1397 (Text with EEA relevance)

COMMISSION IMPLEMENTING REGULATION (EU) 2020/1170
of 16 July 2020

on design, construction and performance requirements and testing standards
for marine equipment and repealing Implementing Regulation (EU) 2019/1397

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 on marine equipment and repealing Council Directive 96/98/EC⁽¹⁾, and in particular Article 35(2) thereof,

Whereas:

- (1) The Commission is empowered to indicate, by means of implementing acts, the design, construction and performance requirements and testing standards in respect of marine equipment falling within the scope of application of Directive 2014/90/EU as well as the dates from which the testing standards are to apply. Those requirements and standards are provided for in the international instruments referred to in Directive 2014/90/EU.
- (2) In order to take into account the most recent changes, the list of the applicable international instruments should be regularly updated. In order to provide a comprehensive list containing all products belonging to the scope of Directive 2014/90/EU, Commission Implementing Regulation (EU) 2019/1397⁽²⁾ should be repealed.
- (3) Marine equipment newly subject to harmonised Union requirements under Directive 2014/90/EU should be explicitly listed as new items in column 1 of the Annex to this Regulation.
- (4) It is reasonable and proportionate to allow a new item which is in conformity with the national requirements for type-approval in force in a Member State before the entry into force of this Regulation to continue to be placed on the market and on board an EU ship for a transitional period of reasonable duration.
- (5) In order to facilitate a harmonised, rapid and simple implementation of Directive 2014/90/EU, implementing acts adopted pursuant to that Directive should take the form of Implementing Regulations.
- (6) The measures provided for in this Regulation are in accordance with the opinion of the Committee on Safe Seas and the Prevention of Pollution from Ships,

HAS ADOPTED THIS REGULATION:

Article 1

The design, construction and performance requirements and the testing standards provided for in the international instruments referred to in Directive 2014/90/EU shall apply to each item of marine equipment as set out in the Annex.

Article 2

Implementing Regulation (EU) 2019/1397 is repealed.

Article 3

1 Marine equipment listed as a ‘new item inserted by Implementing Regulation (EU) 2018/773’ in column 1 of the Annex, which is in compliance with the national requirements for type-approval in force before 19 June 2018 in a Member State, may continue to be placed on the market and on board an EU ship until 19 June 2021.

2 Marine equipment listed as a ‘new item inserted by Implementing Regulation 2019/1397’ in column 1 of the Annex, which is in compliance with the national requirements for type-approval in force before 3 October 2019 in a Member State, may continue to be placed on the market and on board an EU ship until 3 October 2022.

3 Marine equipment listed as a ‘new item inserted by Implementing Regulation 2020/1170’ in column 1 of the Annex, which is in compliance with the national requirements for type-approval in force before 1 September 2020 in a Member State, may continue to be placed on the market and on board an EU ship until 1 September 2023.

Article 4

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 16 July 2020.

For the Commission

The President

Ursula VON DER LEYEN

ANNEX

General note: references to ‘SOLAS’ Regulations refer to the provisions of the International Convention for the Safety of Life at Sea, as amended.

List of acronyms used

A.1, Amendment 1 concerning Standard Documents other than IMO.

A.2, Amendment 2 concerning Standard Documents other than IMO.

AC, Amending Corrigendum concerning Standard Documents other than IMO.

CAT, Category for radar equipment as defined in section 1.3 of IEC 62388 (2007)

Circ., Circular.

COLREG, International Regulations for Preventing Collisions at Sea.

COMSAR, IMO’s Sub-Committee on Radiocommunications and Search and Rescue.

EN, European Standard.

ETSI, European Telecommunication Standardisation Institute.

FSS, International Code for Fire Safety Systems.

FTP, International Code for Application of Fire Test Procedures.

HSC, High Speed Craft Code.

IBC, International Bulk Chemical Code.

ICAO, International Civil Aviation Organization.

IEC, International Electrotechnical Commission.

IGC, International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk.

IMO, International Maritime Organization.

ISO, International Organisation for Standardization.

ITU, International Telecommunication Union.

LSA, Life saving appliance.

MARPOL, International Convention for the Prevention of Pollution from Ships.

MED, Marine Equipment Directive.

MEPC, Marine Environment Protection Committee.

MSC, Maritime Safety Committee.

NO_x, Nitrogen Oxides.

O₂/HC systems: Oxygen Hydro Carbon systems.

SOLAS, International Convention for the Safety of Life at Sea.

SO_x, Sulphur Oxides.

Reg., Regulation.

Res., Resolution.

Notes applicable to the whole of this Annex

- (a) General: In addition to the testing standards specifically referred to in this Annex, type-examination (type approval) requires compliance with the applicable requirements of the international conventions and the relevant resolutions and circulars of the IMO. Such compliance is referred to in the modules for conformity assessment in Directive 2014/90/EU.
- (b) Column 3: Where two sets of testing standards are separated by “or”, each set fulfils all the testing requirements to meet IMO Performance Standards; thus testing to one of those sets is sufficient to demonstrate compliance with the requirements of the relevant international instruments. On the contrary, when other separators (such as comma) are used all the listed references apply.
- (c) Column 6: In order to take into consideration the timeframes for shipbuilding, depending on the characteristics of the specific marine equipment, the term ‘placing on board’ shall be understood as meaning (as indicated in brackets behind the dates):
- | | | |
|-----|---|---|
| I | : | first installation of the equipment in its functional position on board an EU ship; |
| II | : | first installation of the equipment in its functional position or stowing in its functional position on board an EU ship; |
| III | : | delivery of the equipment to the shipyard if this takes place within 30 months before the first installation of the equipment in its functional position. |
- (d) Where there are two rows for one marine equipment entry (e.g. MED/3.12), the second (lower) row contains the updated requirements of the international instruments in respect to the ones shown in the first (upper) row.
- (e) In the situations referred to in point (d) where no date is given in columns 5 and 6, this indicates that there has been no change in the testing standards and that the marine equipment item concerned shall comply with the requirements indicated in the (second) lower row.
- (f) Where there are more than two rows for one marine equipment entry (such as MED/3.51a), the lowest row contains the updated requirements of the international instruments in respect to the ones shown in the upper rows.

1. **Life-saving appliances**

Column 2: IMO MSC/Circular 980 shall apply except when superseded by the specific instruments referred to in Column 2.

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board

1	circulars of the IMO, as applicable	3	4	5	6
MED/1.1 Lifebuoys Row 1 of 1	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res.MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res.MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 8.</p>	—	IMO B+D Res. B+E MSC.81(70), as amended.		

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MED/1.2a Position- indicating lights for life-saving appliances: for survival craft and rescue boats. Row 1 of 3	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res. B+E MSC.81(70), as amended.			13.9.2022 (II)
	Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) II, — IMO Res.MSC.48(66)- (LSA Code) IV, — IMO Res.MSC.97(73)- (2000 HSC Code) 8.					
MED/1.2a Position- indicating lights for life-saving appliances: for survival craft and rescue boats. Row 2 of 3	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res. MSC.81(70), as B+F amended, EN 60945:2002 incl. IEC 60945 Corr. 1:2008.	13.9.2019	12.8.2023 (II)	

	Carriage and performance requirements	Or:	IMO Res.MSC.81(70), as amended, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.		
	— SOLAS 74 Reg. III/34,	—			
	— IMO Res.MSC.36(63) (1994 HSC Code) 8,	—			
	— IMO Res.MSC.48(66)-(LSA Code) I,	—			
	— IMO Res.MSC.48(66)-(LSA Code) IV,	—			
	— IMO Res.MSC.97(73)-(2000 HSC Code) 8.	—			
MED/1.2a Position-indicating lights for life-saving appliances: for survival craft and rescue boats. Row 3 of 3 (NEW ROW)	Type approval requirements	—	IMO B+D Res.MSC.81(70), as B+F amended, EN 60945:2002 incl. IEC 60945 Corr. 1:2008,	12.8.2020	
	— SOLAS 74 Reg. III/4,	—			
	— SOLAS 74 Reg. X/3.	—			
	Carriage and performance requirements	Or:	ISO 24408:2005.		
	— SOLAS 74 Reg. III/34,	—			
	— IMO Res.MSC.36(63) (1994 HSC	—	IMO Res.MSC.81(70), as amended, IEC 60945:2002 incl. IEC		

Status: This is the original version (as it was originally adopted).

	—	Code) 8, IMO Res.MSC.48(66)- (LSA Code)			
	—	I, IMO Res.MSC.48(66)- (LSA Code)			
	—	II, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.2c Position- indicating lights for life-saving appliances: for lifejackets. Row 1 of 3	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO Res. MSC as amended.	B+D B+E B+F),	13.9.2022 (II)
	Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22, — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/32, — SOLAS 74 Reg. III/34,				

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,				
	—	IMO Res.MSC.48(66)-(LSA Code) I,				
	—	IMO Res.MSC.48(66)-(LSA Code) II,				
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8.				
MED/1.2c Position- indicating lights for life-saving appliances: for lifejackets. Row 2 of 3	Type approval requirements	— SOLAS 74 Reg. III/4,	—	IMO B+D Res. B+E MSC.81(70), as amended, EN 60945:2002 incl. IEC 60945 Corr. 1:2008.	13.9.2019	12.8.2023 (II)
	Carriage and performance requirements	— SOLAS 74 Reg. III/7,	Or: —	IMO Res.MSC.81(70), as amended, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.		
		— SOLAS 74 Reg. III/22,				
		— SOLAS 74 Reg. III/26,				
		— SOLAS 74 Reg. III/32,				

	—	SOLAS 74 Reg. III/34,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)- (LSA Code) I,			
	—	IMO Res.MSC.48(66)- (LSA Code) II,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.2c Position- indicating lights for life-saving appliances: for lifejackets. Row 3 of 3 (NEW ROW)	Type approval requirements	—	IMO Res. MSC. 81(70), as amended, EN 60945:2002 incl. IEC 60945 Corr. 1:2008, ISO 24408: 2005.	B+D B+E	12.8.2020
	—	SOLAS 74 Reg. III/4,			
	—	SOLAS 74 Reg. X/3.			
	Carriage and performance requirements	—			
	—	SOLAS 74 Reg. III/7,	Or: IMO Res.MSC.81(70), as amended, IEC 60945:2002 incl. IEC 60945		
	—	SOLAS 74 Reg. III/22,			
	—	SOLAS 74 Reg. III/26,			

	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA Code) II,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8.			
MED/1.3 Lifebuoys self-activating smoke signals Row 2 of 2 (NEW ROW)	Type approval requirements	— SOLAS 74 Reg. III/4,	—	IMO B+D Res. B+E MSC.81(70), as amended, ISO 15736: 2006.	12.8.2020
	Carriage and performance requirements	— SOLAS 74 Reg. III/7,			
		— SOLAS 74 Reg. III/34,			
		— IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
		— IMO Res.MSC.48(66)-			

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		(LSA Code) I, IMO Res.MSC.48(66)- (LSA Code) II, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.4 Lifejackets Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I,	—	IMO Res. MSC.48(66) as amended.	B+D B+E B+F),	

	—	IMO Res.MSC.48(66)-(LSA Code)			
	—	IMO Res.MSC.97(73)-(2000 HSC Code)			
	—	8, IMO MSC/Circ.922,			
	—	IMO MSC.1/Circ.1304,			
	—	IMO MSC.1/Circ.1470.			
MED/1.5a Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: immersion suit without inherent insulation. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22, — SOLAS 74 Reg. III/32, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)-	—	IMO Res. MSC.81(70), as amended.	B+D B+E B+F)	

		(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I, IMO Res.MSC.48(66)-(LSA Code) II, IMO Res.MSC.97(73)-(2000 HSC Code) 8, IMO MSC/Circ.1046.			
MED/1.5b Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: immersion suit with inherent insulation. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22, — SOLAS 74 Reg. III/32,	—	IMO Res. MSC.81(70), as amended.	B+D B+E B+F),	

	—	Reg. III/34, IMO Res.MSC.36(63)-(1994 HSC Code)			
	—	8, IMO Res.MSC.48(66)-(LSA Code)			
	—	I, IMO Res.MSC.48(66)-(LSA Code)			
	—	II, IMO Res.MSC.97(73)-(2000 HSC Code)			
	—	8, IMO MSC/Circ.1046.			
MED/1.5c Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: anti-exposure suits. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22, — SOLAS 74	—	IMO Res. MSC.81(70), as amended.	B+D B+E B+F)	

Status: This is the original version (as it was originally adopted).

	—	Reg. III/32, SOLAS 74			
	—	Reg. III/34, IMO Res.MSC.36(63)-(1994 HSC Code)			
	—	8, IMO Res.MSC.48(66)-(LSA Code)			
	—	I, IMO Res.MSC.48(66)-(LSA Code)			
	—	II, IMO Res.MSC.97(73)-(2000 HSC Code)			
	—	8, IMO MSC/Circ.1046.			
MED/1.6a Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket: immersion suit without inherent insulation. Row 1 of 1	Type approval requirements — — — Carriage and performance requirements — —	— SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3. SOLAS 74 SOLAS 74	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F),	

	—	Reg. III/22, SOLAS 74			
	—	Reg. III/32, SOLAS 74			
	—	Reg. III/34, IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA Code) II,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8,			
	—	IMO MSC/Circ.1046.			
MED/1.6b Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket: immersion suit with inherent insulation. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74	—	IMO Res. MSC.81(70), as amended.	B+D B+E B+F)	

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	—	Reg. III/7, SOLAS 74			
	—	Reg. III/22, SOLAS 74			
	—	Reg. III/32, SOLAS 74			
	—	Reg. III/34, IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA Code) II,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8,			
	—	IMO MSC/Circ.1046.			
MED/1.6c Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket: anti-exposure suits. Row 1 of 1	Type approval requirements — — —	SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3.	—	IMO Res. MSC.81(70), as amended.	B+D B+E B+F)

	Carriage and performance requirements	—	SOLAS 74 Reg. III/7,		
		—	SOLAS 74 Reg. III/22,		
		—	SOLAS 74 Reg. III/32,		
		—	SOLAS 74 Reg. III/34,		
		—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,		
		—	IMO Res.MSC.48(66)-(LSA Code) I,		
		—	IMO Res.MSC.48(66)-(LSA Code) II,		
		—	IMO Res.MSC.97(73)-(2000 HSC Code) 8,		
		—	IMO MSC/ Circ.1046.		
MED/1.7 Thermal protective aids Row 1 of 1	Type approval requirements	—	SOLAS 74 Reg. III/4,	IMO Res. MSC.81(70), as amended.	B+D B+E

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	— SOLAS 74 Reg. X/3.				
	Carriage and performance requirements				
	— SOLAS 74 Reg. III/22,				
	— SOLAS 74 Reg. III/32,				
	— SOLAS 74 Reg. III/34,				
	— IMO Res.MSC.36(63)-(1994 HSC Code) 8,				
	— IMO Res.MSC.48(66)-(LSA Code) I,				
	— IMO Res.MSC.48(66)-(LSA Code) II,				
	— IMO Res.MSC.97(73)-(2000 HSC Code) 8,				
	— IMO MSC/Circ.1046.				
MED/1.8 Rocket parachute flares (pyrotechnics) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4,	—	IMO Res. MSC.81(70), as amended.	B+D B+E	12.8.2023 (II)

	— SOLAS 74 Reg. X/3.				
	Carriage and performance requirements				
	— SOLAS 74 Reg. III/6,				
	— SOLAS 74 Reg. III/34,				
	— IMO Res.MSC.36(63)-(1994 HSC Code) 8,				
	— IMO Res.MSC.48(66)-(LSA Code) I,				
	— IMO Res.MSC.48(66)-(LSA Code) III,				
	— IMO Res.MSC.97(73)-(2000 HSC Code) 8.				
MED/1.8 Rocket parachute flares (pyrotechnics) Row 2 of 2 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO Res. MSC.81(70), as amended, ISO 15736: 2006.	B+D B+E	12.8.2020
	Carriage and performance requirements				

Status: This is the original version (as it was originally adopted).

	— SOLAS 74 Reg. III/6,				
	— SOLAS 74 Reg. III/34,				
	— IMO Res.MSC.36(63)-(1994 HSC Code) 8,				
	— IMO Res.MSC.48(66)-(LSA Code) I,				
	— IMO Res.MSC.48(66)-(LSA Code) III,				
	— IMO Res.MSC.97(73)-(2000 HSC Code) 8.				
MED/1.9 Hand flares (pyrotechnics) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F),as		12.8.2023 (II)
	Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)-(1994 HSC				

		Code) 8, IMO Res.MSC.48(66)- (LSA Code) I, IMO Res.MSC.48(66)- (LSA Code) III, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.9 Hand flares (pyrotechnics) Row 2 of 2 (NEW ROW)	Type approval requirements — SOLAS 74 — Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO Res. MSC.81(70),as amended, ISO 15736: 2006.	B+D B+E B+F),as	12.8.2020
	Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) III,				

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	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8.			
MED/1.10 Buoyant smoke signals (pyrotechnics) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO Res. MSC.81(70), as amended.	B+D B+E B+D	12.8.2023 (II)
	Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.MSC.48(66)-(LSA Code) I, — IMO Res.MSC.48(66)-(LSA Code) III.				
MED/1.10 Buoyant smoke signals (pyrotechnics) Row 2 of 2 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO Res. MSC.81(70), as amended, ISO 15736: 2006.	B+D B+E B+D	12.8.2020
	Carriage and performance requirements — SOLAS 74				

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	—	Reg. III/34, IMO Res.MSC.48(66)-(LSA Code)			
	—	I, IMO Res.MSC.48(66)-(LSA Code) III.			
MED/1.11 Line-throwing appliances Row 1 of 2	Type approval requirements	— SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3.	IMO Res. MSC.81(70), as amended.	B+D B+E B+F),	12.8.2023 (II)
	Carriage and performance requirements	— SOLAS 74 Reg. III/18, SOLAS 74 Reg. III/34, IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I, IMO Res.MSC.48(66)-(LSA Code) VII, IMO Res.MSC.97(73)-			

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	(2000 HSC Code) 8.				
MED/1.11 Line- throwing appliances Row 2 of 2 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. — III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res. B+E MSC.81(70), as amended, ISO 15736: 2006.		12.8.2020
	Carriage and performance requirements — SOLAS 74 Reg. III/18, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) VII, — IMO Res.MSC.97(73)- (2000 HSC Code) 8.				
MED/1.12 Inflatable liferrafts	Type approval requirements	—	IMO B+D Res.MSC.81(70), B+F		

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Row 1 of 1	—	SOLAS 74 Reg. III/4, extended	as amended.		
	—	SOLAS 74 Reg. X/3.	Service intervals: IMO MSC.1/Circ.1328.		
		Carriage and performance requirements			
	—	SOLAS 74 Reg. III/13,			
	—	SOLAS 74 Reg. III/21,			
	—	SOLAS 74 Reg. III/26,			
	—	SOLAS 74 Reg. III/31,			
	—	SOLAS 74 Reg. III/34,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA Code) IV,			
	—	IMO Res.MSC.97(73)-(2000 HSC			

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		Code) 8, — IMO MSC/ — Circ.811, IMO MSC.1/ Circ.1328.			
MED/1.13 Rigid liferafts Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO Res. MSC.36(63)- as amended,	B+D B+E B+(70),	
	Carriage and performance requirements — SOLAS 74 Reg. III/21, — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/31, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA				

		Code) IV, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.14a Automatically self-righting liferafts: inflatable. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	— And for extended Service intervals: — IMO MSC.1/ Circ.1328.	IMO Res. B+D B+E MSC.81(70), as amended.		
	Carriage and performance requirements — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) IV, — IMO Res.MSC.97(73)- (2000 HSC Code) 8,				

Status: This is the original version (as it was originally adopted).

	—	IMO MSC/ Circ.809,			
	—	IMO MSC/ Circ.811,			
	—	IMO MSC.1/ Circ.1328.			
MED/1.14b Automatically self-righting liferafts: rigid. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) IV, — IMO Res.MSC.97(73)- (2000 HSC	— IMO Res. MSC.81(70), as amended. And for extended Service intervals: — IMO MSC.1/ Circ.1328.	B+D B+E B+F),		

		Code) 8, — IMO MSC/ Circ.809, — IMO MSC/ Circ.811, — IMO MSC.1/ Circ.1328.			
MED/1.15 Canopied reversible liferrafts Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	— And for extended service intervals: — IMO MSC.1/ Circ.1328.	IMO B+D Res.MSC.81(70), as B+F amended.		
	Carriage and performance requirements — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) IV, — IMO Res.MSC.97(73)- (2000				

Status: This is the original version (as it was originally adopted).

		HSC Code) 8, IMO MSC/ Circ.809, IMO MSC/ Circ.811, IMO MSC.1/ Circ.1328.			
MED/1.16 Float-free arrangements for liferafts (hydrostatic release units) Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/13, — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA	—	IMO B+D Res.MSC.81(70), as B+F amended.		

		Code) IV, IMO Res.MSC.97(73)- (2000 HSC Code) 8, IMO MSC.1/ Circ.1423.			
MED/1.18 Rigid rescue boats Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.81(70), as G amended, IMO MSC/ Circ.1006.		
	Carriage and performance requirements — SOLAS 74 Reg. III/21, — SOLAS 74 Reg. III/31, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA				

Status: This is the original version (as it was originally adopted).

		Code) V, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.19 Inflated rescue boats Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.81(70), as G amended, ISO 15372:2000.		
	Carriage and performance requirements — SOLAS 74 Reg. III/21, — SOLAS 74 Reg. III/31, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) V, — IMO Res.MSC.97(73)-				

	(2000 HSC Code) 8.				
MED/1.20a Fast rescue boats: inflated. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4.	—	IMO B+D Res.MSC.81(70), as amended, ISO 15372:2000.		
	Carriage and performance requirements — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34, — IMO Res.MSC.48(66)-(LSA Code) I, — IMO Res.MSC.48(66)-(LSA Code) V, — IMO MSC/Circ.1016, — IMO MSC/Circ.1094.				
MED/1.20b Fast rescue boats: rigid. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4.	—	IMO B+D Res.MSC.81(70), as amended, IMO MSC/Circ.1006.		
	Carriage and performance requirements — SOLAS 74				

Status: This is the original version (as it was originally adopted).

		—	Reg. III/26, SOLAS 74		
		—	Reg. III/34, IMO Res.MSC.48(66)-(LSA Code)		
		—	I, IMO Res.MSC.48(66)-(LSA Code)		
		—	V, IMO MSC/Circ.1016,		
		—	IMO MSC/Circ.1094.		
MED/1.20c Fast rescue boats: rigid-inflated. Row 1 of 1	Type approval requirements	—	SOLAS 74 Reg. III/4.	IMO B+D Res.MSC.81(70), as amended, IMO MSC/Circ.1006, ISO 15372:2000.	
	Carriage and performance requirements	—	SOLAS 74 Reg. III/26, SOLAS 74 Reg. III/34, IMO Res.MSC.48(66)-(LSA Code)		
		—	I, IMO Res.MSC.48(66)-(LSA Code)		
		—	V,		

	—	IMO MSC/ Circ.1016,			
	—	IMO MSC/ Circ.1094.			
MED/1.21 Launching appliances using falls (davits) Row 1 of 1	Type approval requirements	—	IMO B+D Res.MSC.81(70), as B+F amended.		
	—	SOLAS 74 Reg. III/4,			
	—	SOLAS 74 Reg. X/3.			
	Carriage and performance requirements				
	—	SOLAS 74 Reg. III/23,			
	—	SOLAS 74 Reg. III/33,			
	—	SOLAS 74 Reg. III/34,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)- (LSA Code) I,			
	—	IMO Res.MSC.48(66)- (LSA Code) VI,			
	—	IMO Res.MSC.97(73)- (2000 HSC			

Status: This is the original version (as it was originally adopted).

	Code)			
Item MED/1.22, Float-free launching appliances for survival craft, - moved to MED /9/1.3.				
MED/1.23 Launching appliances for free-fall lifeboats Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.81(70), as B+F amended.	
	Carriage and performance requirements — SOLAS 74 Reg. III/16, — SOLAS 74 Reg. III/23, — SOLAS 74 Reg. III/33, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) VI, — IMO Res.MSC.97(73)-			

	(2000 HSC Code) 8.			
MED/1.24 Liferaft launching appliances (Davits) Row 1 of 1	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/12,</p> <p>— SOLAS 74 Reg. III/16,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res.MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res.MSC.48(66)-(LSA Code) VI,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC</p>	—	IMO B+D Res.MSC.81(70), as amended.	

Status: This is the original version (as it was originally adopted).

	Code)				
MED/1.25 Fast rescue boat launching appliances (Davits) Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4.	—	IMO B+D Res.MSC.81(70), as B+F amended.		
	Carriage and performance requirements — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) VI.				
MED/1.26a Release mechanism for: lifeboats and rescue boats (launched by a fall or falls). Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.81(70), as B+F amended.		
	Carriage and performance requirements — SOLAS 74 Reg. III/16, — SOLAS 74				

	—	Reg. III/34, IMO Res.MSC.36(63)-(1994 HSC Code)			
	—	8, IMO Res.MSC.48(66)-(LSA Code)			
	—	I, IMO Res.MSC.48(66)-(LSA Code)			
	—	IV, IMO Res.MSC.97(73)-(2000 HSC Code)			
	—	8, IMO MSC.1/Circ.1419.			
MED/1.26b Release mechanism for: liferafts (launched by a fall or falls). Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/16, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)-(1994	—	IMO B+D Res.MSC.81(70), as B+F amended.		

Status: This is the original version (as it was originally adopted).

	—	HSC Code) 8, IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA Code) IV,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8,			
MED/1.26c Release mechanism for: free fall lifeboats. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/16, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)-(1994 HSC Code) 8, — IMO Res.MSC.48(66)-(LSA Code) I,	—	IMO B+D Res.MSC.81(70), as B+F amended.		

	—	IMO Res.MSC.48(66)-(LSA Code) IV,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8.			
MED/1.27 Marine evacuation systems Row 1 of 1	Type approval requirements	—	IMO Res.MSC.81(70), as amended.	B+D B+C G	
	—	SOLAS 74 Reg. III/4,			
	—	SOLAS 74 Reg. X/3.			
	Carriage and performance requirements				
	—	SOLAS 74 Reg. III/15,			
	—	SOLAS 74 Reg. III/26,			
	—	SOLAS 74 Reg. III/34,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA			

Status: This is the original version (as it was originally adopted).

		Code) VI, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.28 Means of rescue Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4.	—	IMO B+D Res.MSC.81(70), as amended, IMO MSC/ Circ.810.		
	Carriage and performance requirements — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) VI.				
MED/1.29 Embarkation ladders Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. III/11, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.81(70), as amended, ISO 5489:2008.		

	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/11,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code),</p> <p>— IMO Res.MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res.MSC.48(66)-(LSA Code) VI,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code),</p> <p>— IMO MSC.1/Circ.1285.</p>			
MED/1.30 Retro-reflective materials Row 1 of 1	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74</p>	—	IMO B+D Res. B+E A.658(B), as amended.	

Status: This is the original version (as it was originally adopted).

—	Reg. III/34, IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
—	IMO Res.MSC.48(66)-(LSA Code) I,			
—	IMO Res.MSC.97(73)-(2000 HSC Code) 8.			

Item MED/1.31, Survival craft two-way VHF radio telephone apparatus, - moved to MED/5.17 and MED/5.18.

Item MED/1.32, 9 GHz SAR transponder (SART), - moved to MED/4.18.

MED/1.33 Radar reflector for lifeboats and rescue boats (passive) Row 1 of 1	Type approval requirements	—	EN ISO 8729:1998, EN 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E		
	Carriage and performance requirements	—	EN ISO 8729:1998, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.			
	—	SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3. Or:	EN ISO 8729:1998, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.			
	—	IMO Res.A.384(X), Or:	EN ISO 8729:1998, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,	EN ISO 8729:1998, EN 60945:2002 incl. IEC 60945			
	—	IMO Res.MSC.48(66)-(LSA	EN ISO 8729:1998, EN 60945:2002 incl. IEC 60945			

	Code)	Corr.		
—	I,	1:2008.		
	IMO Or:			
	Res.MSC.48(66)ISO			
	(LSA	8729-1:2010,		
	Code) —	IEC		
	IV,	60945:2002		
—	IMO	incl.		
	Res.MSC.48(66)IEC			
	(LSA	60945		
	Code)	Corr.		
	V,	1:2008.		
—	IMO			
	Res.MSC.97(73)-			
	(2000			
	HSC			
	Code)			
	8,			
—	IMO			
	Res.MSC.164(78).			

Item MED/1.34, Magnetic compass Class B for lifeboats and rescue boats, - moved to MED/4.23.

Item MED/1.35, Portable fire-extinguishing equipment for lifeboats and rescue boats - moved to MED/3.38.

MED/1.36 Lifeboat/ rescue boat propulsion engine Row 1 of 1	Type approval requirements	—	IMO B+D Res.MSC.81(70), as B+F amended.		
	— SOLAS 74 Reg. III/4,				
	— SOLAS 74 Reg. X/3.				
	Carriage and performance requirements				
	— SOLAS 74 Reg. III/34,				
	— IMO Res.MSC.48(66)- (LSA Code)				
	— IV, IMO Res.MSC.48(66)- (LSA				

Status: This is the original version (as it was originally adopted).

	Code) V.				
MED/1.37 Rescue boat propulsion engine - outboard motor Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.MSC.48(66)- (LSA Code) V.	—	IMO B+D Res.MSC.48(66)- as B+F amended.		
MED/1.38 Searchlights for use in lifeboats and rescue boats Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)-	—	IMO B+D Res.MSC.48(66)- as B+F amended.		13.9.2022 (II)

		(LSA Code) I, IMO Res.MSC.48(66)- (LSA Code) IV, IMO Res.MSC.48(66)- (LSA Code) V, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.38 Searchlights for use in lifeboats and rescue boats Row 2 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63) (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA	— — — Or: — — — —	IMO B+D Res.MSC.81(70), as B+F amended, EN 60945:2002 incl. IEC 60945 Corr. 1:2008. IMO Res.MSC.81(70), as amended, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008. IMO Res.MSC.81(70), as amended, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008. IMO Res.MSC.48(66)- (LSA Code) I, IMO Res.MSC.48(66)- (LSA	13.9.2019	

	—	IMO Res.MSC.97(73)-(2000 HSC Code) Annex 11,			
	—	IMO MSC.1/Circ.1328.			
Item MED/1.40, Mechanical pilot hoist, - moved to MED/4.48.					
MED/1.41a Winches for survival craft and rescue boats: davit launched lifeboats. Row 1 of 1	Type approval requirements	— SOLAS 74 Reg. III/4,	IMO B+D Res.MSC.81(70), as amended.		
	— SOLAS 74 Reg. X/3.				
	Carriage and performance requirements	— SOLAS 74 Reg. III/16,			
	— SOLAS 74 Reg. III/23,				
	— SOLAS 74 Reg. III/24,				
	— SOLAS 74 Reg. III/34,				
	— IMO Res.MSC.36(63)-(1994 HSC Code) 8,				
	— IMO Res.MSC.48(66)-(LSA				

Status: This is the original version (as it was originally adopted).

		Code) I, IMO Res.MSC.48(66)- (LSA Code) VI, IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
MED/1.41b Winches for survival craft and rescue boats: free-fall lifeboats. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/16, — SOLAS 74 Reg. III/23, — SOLAS 74 Reg. III/24, — SOLAS 74 Reg. III/34, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA	— IMO Res.MSC.48(66)- as amend	B+D BCE B+F Cd.		

	Code)				
	VI.				
MED/1.41c Winches for survival craft and rescue boats: liferafts. Row 1 of 1	— Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.81(70), as B+F amended.		
	Carriage and performance requirements — SOLAS 74 Reg. III/16, — SOLAS 74 Reg. III/17, — SOLAS 74 Reg. III/23, — SOLAS 74 Reg. III/24, — SOLAS 74 Reg. III/34, — IMO Res.MSC.36(63)- (1994 HSC Code) 8, — IMO Res.MSC.48(66)- (LSA Code) I, — IMO Res.MSC.48(66)- (LSA Code) VI,				

	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8.			
MED/1.41e Winches for survival craft and rescue boats: fast rescue boats. Row 1 of 1	Type approval requirements	— SOLAS 74 Reg. III/4,	—	IMO B+D Res.MSC.81(70), as B+F amended.	
	—	SOLAS 74 Reg. X/3.			
	Carriage and performance requirements	— SOLAS 74 Reg. III/16,			
	—	SOLAS 74 Reg. III/17,			
	—	SOLAS 74 Reg. III/23,			
	—	SOLAS 74 Reg. III/34,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA Code) VI,			

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.97(73)- (2000 HSC Code) 8.			
Item MED/1.42, Pilot ladder, - moved to MED/4.49.					
MED/1.43 Rigid/inflated rescue boats Row 1 of 1	Type approval requirements	—	IMO B+D Res.MSC.81(70), as G amended, IMO MSC/ Circ.1006, ISO 15372:2000.		
	—	SOLAS 74 Reg. III/4, SOLAS- 74 Reg. X/3.			
	Carriage and performance requirements	—			
	—	SOLAS 74 Reg. III/21, SOLAS 74 Reg. III/31, SOLAS 74 Reg. III/34, IMO Res.MSC.36(63)- (1994 HSC Code) 8, IMO Res.MSC.48(66)- (LSA Code) I, IMO Res.MSC.48(66)- (LSA Code) V, IMO Res.MSC.97(73)-			

	(2000 HSC Code) 8.			
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2. Marine pollution prevention

Number and item designation	Regulations of Marpol 73/78, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
1	2	3	4	5	6
MED/2.1 Oil-filtering equipment (for an oil content of the effluent not exceeding 15 p.p.m.) Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 14. Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 14, IMO MEPC.1/ Circ. 643.	—	IMO B+D Res.MEPC.107(49), as amended, IMO MEPC.1/ Circ. 643.		
MED/2.2 Oil/water interface detectors Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 32.	—	IMO B+D Res.MEPC.5(XIII), B+F		

Status: This is the original version (as it was originally adopted).

MED/2.3 Oil-content meters Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 14.	—	IMO B+D Res.MEPC.107(49), as B+F amended, IMO MEPC.1/ Circ. 643.		
	Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 14, IMO MEPC.1/ Circ. 643.				
Item MED/2.4, Process units intended for attachment to existing oil/water separating equipment (for an oil content of the effluent not exceeding 15 p.p.m., - has been deliberately left blank.					
MED/2.5 Oil discharge monitoring and control system for oil tankers Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 31, IMO MEPC.1/ Circ.858.	—	IMO B+D Res. B+E MEPC.108(49), as amended.		
	Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 31.				
MED/2.6 Sewage systems Row 1 of 2	Type approval requirements — MARPOL 73/78	—	IMO B+D Res.MEPC.227(64). B+F		1.1.2018 (III)

		Annex IV, Reg. 9. Carriage and performance requirements MARPOL 73/78 Annex IV, Reg. 9.			
MED/2.6 Sewage systems Row 2 of 2	Type approval requirements —	MARPOL 73/78 Annex IV, Reg. 9.	IMO B+D Res.MEPC.227(64), as amended.	16.3.2017	
	Carriage and performance requirements —	MARPOL 73/78 Annex IV, Reg. 9.	(a) including section 4.2 (for use by passenger ships in all areas, including a MARPOL Annex IV special area), (b) not including section 4.2 (for use by ships, other than passenger ships, in all areas and by		

Status: This is the original version (as it was originally adopted).

			passenger ships outside MARPOL Annex IV special areas).		
MED/2.7 Shipboard incinerators Row 1 of 2	Type approval requirements — MARPOL 73/78 Annex VI, Reg. 16. Carriage and performance requirements — MARPOL 73/78 Annex VI, Reg. 16. — IMO MEPC.1/Circ.793.	—	IMO Res.MEPC.76(40)	B+D B+E B+F G	1.1.2018 (III)
MED/2.7 Shipboard incinerators (Incinerator plants with capacities up to 4 000 kW) Row 2 of 2	Type approval requirements — MARPOL 73/78 Annex VI, Reg. 16. Carriage and performance requirements — MARPOL 73/78 Annex VI, Reg. 16.	—	IMO Res. MEPC.74(66)	B+D B+E G	16.3.2017
MED/2.8 NOx analyser permanently	Type approval requirements	—	IMO Res. MEPC.77(58)	B+D B+E	

<p>placed on board and for use on board as per NOx Technical Code 2008 Row 1 of 1</p>	<p>— IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 13).</p>	<p>- (NOx Technical code 2008), as amended.</p>	<p>G</p>	
<p>Carriage and performance requirements</p>	<p>— IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 13),</p>			
<p>—</p>	<p>IMO Res. MEPC.177(58)</p>			
<p>—</p>	<p>(NOx Technical Code 2008),</p>			
<p>—</p>	<p>IMO Res. MEPC.198(62).</p>			

Item MED/2.9, Equipment using technological methods to limit SOx emissions, - moved to MED/9/2.4.

<p>MED/2.10 On board exhaust gas cleaning systems Row 1 of 2</p>	<p>Type approval requirements</p>	<p>— IMO Res. MEPC.184(59).</p>	<p>B+D B+F G</p>	<p>15.5.2018 (III)</p>
<p>— IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 4),</p>				
<p>— IMO Res. MEPC.184(59).</p>				

Status: This is the original version (as it was originally adopted).

	Carriage and performance requirements — IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 4).				
MED/2.10 On board exhaust gas cleaning systems Row 2 of 2	Type approval requirements — IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 4), — IMO Res. MEPC.259 (68). Carriage and performance requirements — IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 4).	— IMO Res. MEPC.259 (68).	Scheme A: G Scheme B: G	19.6.2018	

3. Fire protection equipment

Number and item designation	Regulation SOLAS 74 as amended, and the	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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1	relevant resolutions and circulars of the IMO, as applicable	3	4	5	6
MED/3.1 Primary decks covering Row 1 of 1	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7.</p>	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		
MED/3.2 Portable fire extinguishers Row 1 of 1	<p>Type approval requirements</p> <p>— SOLAS 74</p>	—	EN B+D 3-7:2004 incl. B+F A1:2007,		

Status: This is the original version (as it was originally adopted).

—	Reg. II-2/10, SOLAS 74	—	EN 3-8:2006 incl. AC:2007,
—	Reg. X/3, IMO Res.MSC.98(73) (FSS Code) 4.	—	EN 3-9:2006 incl. AC:2007, EN 3-10:2009.
	Carriage and performance requirements		
—	SOLAS 74		
—	Reg. II-2/4, SOLAS 74		
—	Reg. II-2/10, SOLAS 74		
—	Reg. II-2/18, SOLAS 74		
—	Reg. II-2/19, SOLAS 74		
—	Reg. II-2/20, IMO Res.A.951(23), IMO Res.MSC.36(63)-(1994 HSC Code) 7,		
—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,		
—	IMO Res.MSC.98(73)-(FSS		

	Code) 4, — IMO Res.MSC.391(95)- (IGF Code) 11, — IMO MSC/ Circ.1239, — IMO MSC/ Circ.1275.			
MED/3.3a Fire-fighter's outfit: protective clothing (close proximity clothing): Protective non reflective clothing for firefighting. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)- (FSS Code) 3.	—	EN 469:2005 incl. A1:2006 and AC:2006.	B+D B+E B+F
	Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.98(73)- (FSS			

Status: This is the original version (as it was originally adopted).

	Code) 3.				
MED/3.3b Fire-fighter's outfit: protective clothing (close proximity clothing): Protective clothing for firefighting: Reflective clothing for specialised fire-fighting. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)- (FSS Code) 3. Carriage and performance requirements — SOLAS 74 Reg. II-2/10, IMO Res.MSC.36(63)- (1994 HSC Code) 7, IMO Res.MSC.97(73)- (2000 HSC Code) 7, IMO Res.MSC.98(73)- (FSS Code) 3.	—	EN 1486	B+D B+E B+F	
MED/3.3c Fire-fighter's outfit: protective clothing (close proximity clothing):	Type approval requirements — SOLAS 74 Reg. II-2/10, SOLAS 74	—	ISO 15538	B+D B+E B+F	

Protective clothing for firefighting: Protective clothing with a reflective outer surface. Row 1 of 1	— Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 3.				
	Carriage and performance requirements — SOLAS 74 — Reg. II-2/10, IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7, — IMO Res.MSC.98(73)-(FSS Code) 3.				
MED/3.4 Fire-fighter's outfit: boots Row 1 of 1	Type approval requirements — SOLAS 74 — Reg. II-2/10, SOLAS 74 — Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 3. Carriage and performance requirements	— EN 15090	B+D B+E2. B+F		

Status: This is the original version (as it was originally adopted).

	—	SOLAS 74 Reg. II-2/10,			
	—	SOLAS 74 Reg. II-2/15,			
	—	IMO Res.MSC.4(48)- (IBC Code) 11,			
	—	IMO Res.MSC.5(48)- (IGC Code) 11			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 7,			
	—	IMO Res.MSC.98(73)- (FSS Code) 3.			
MED/3.5 Fire-fighter's outfit: gloves Row 1 of 1	Type approval requirements	—	EN 659:2008 incl. A1:2008 and AC:2009.	B+D B+E B+F	
	—	SOLAS 74 Reg. II-2/10,			
	—	SOLAS 74 Reg. X/3,			
	—	IMO Res.MSC.98(73)- (FSS Code) 3.			

Status: This is the original version (as it was originally adopted).

	Carriage and performance requirements	—			
	— SOLAS 74 Reg. II-2/10,				
	— SOLAS 74 Reg. II-2/15,				
	— IMO Res.MSC.4(48)-(IBC Code) 11,				
	— IMO Res.MSC.5(48)-(IGC Code) 11,				
	— IMO Res.MSC.36(63)-(1994 HSC Code) 7,				
	— IMO Res.MSC.97(73)-(2000 HSC Code) 7,				
	— IMO Res.MSC.98(73)-(FSS Code) 3.				
MED/3.6 Fire-fighter's outfit: helmet Row 1 of 1	Type approval requirements	—	EN 443:2008	B+D B+E B+F	
	— SOLAS 74 Reg. II-2/10,				
	— SOLAS 74 Reg. X/3,				
	— IMO Res.MSC.98(73)-(FSS				

Status: This is the original version (as it was originally adopted).

	Code) 3.			
	Carriage and performance requirements			
	— SOLAS 74 Reg. II-2/10,			
	— SOLAS 74 Reg. II-2/15,			
	— IMO Res.MSC.4(48)- (IBC Code) 11,			
	— IMO Res.MSC.5(48)- (IGC Code) 11,			
	— IMO Res.MSC.36(63)- (1994 HSC Code) 7,			
	— IMO Res.MSC.97(73)- (2000 HSC Code) 7,			
	— IMO Res.MSC.98(73)- (FSS Code) 3.			
MED/3.7 Self-contained compressed-air-operated breathing apparatus Note: For use in accidents involving dangerous goods a	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3,	ISO 23269-2:2011 (firefighting - maritime use only). Type 1 mask shall not be used in either MED/3.7 or MED/7.1. Note: Associated	B+D B+E B+F	

<p>positive pressure type mask is required. (Refer to item 7.1) Row 1 of 1</p>	<p>— IMO Res.MSC.98(73)-(FSS Code) 3.</p>	<p>fireproof lifeline requested by ISO 23269 § 4.28 shall be MED certified as item MED 3.44 and used in conjunction with the breathing apparatus and capable of being attached by means of a snap-hook to the harness of the apparatus or to a separate belt in order to prevent the breathing apparatus becoming detached when the lifeline is operated. The breathing apparatus module B shall indicate the MED fireproof lifeline as mandatory combined component.</p>			
	<p>Carriage and performance requirements</p>	<p>— SOLAS 74 Reg. II-2/10</p>			
		<p>— SOLAS 74 Reg. II-2/15</p>	<p>breathing apparatus</p>		
		<p>— SOLAS 74 Reg. II-2/19</p>	<p>breathing apparatus or to a separate belt in order to prevent the breathing apparatus becoming detached when the lifeline is operated.</p>		
		<p>— IMO Res.MSC.5(48)-(IGC Code) 11,</p>	<p>breathing apparatus becoming detached when the lifeline is operated.</p>		
		<p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p>	<p>breathing apparatus module B shall indicate the MED fireproof lifeline as mandatory combined component.</p>		
		<p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p>	<p>breathing apparatus module B shall indicate the MED fireproof lifeline as mandatory combined component.</p>		
		<p>— IMO Res.MSC.98(73)-(FSS Code) 3,</p>	<p>breathing apparatus module B shall indicate the MED fireproof lifeline as mandatory combined component.</p>		
		<p>— IMO MSC.1/Circ.1499,</p>	<p>breathing apparatus module B shall indicate the MED fireproof lifeline as mandatory combined component.</p>		

		(1994 HSC Code) 7, Note: This equipment is only for high speed craft built under provisions of the 1994 HSC Code.			
	Carriage and performance requirements	— IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
MED/3.9 Sprinkler systems components for accommodation spaces, service spaces and control stations equivalent to that referred to in SOLAS 74 Reg. II-2/12 (limited to nozzles and their performance). (Nozzles for fixed sprinkler	Type approval requirements	— SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 8.	— IMO Res. A.800(B-97) amended.	B+D B+E B+E, as amended.	

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<p>systems, for high speed craft (HSC) are included under this item). Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>Carriage and performance requirements</p>	<p>—</p>	<p>SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. II-2/9, SOLAS 74 Reg. II-2/10, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.44(65), IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 8, IMO MSC/Circ.912, IMO MSC/Circ. 1556.</p>			
<p>MED/3.10 Nozzles for fixed pressure water spraying fire extinguishing systems for machinery spaces and cargo pump-rooms</p>	<p>Type approval requirements</p>	<p>—</p>	<p>IMO B+D MSC/B+E Circ. 1556 as amended.</p>			
	<p>— SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3,</p>					

<p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>— IMO Res.MSC.98(73)-(FSS Code) 7.</p>				
	<p>Carriage and performance requirements</p>				
	<p>— SOLAS 74 Reg. II-2/10,</p>				
	<p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p>				
	<p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p>				
	<p>— IMO Res.MSC.98(73)-(FSS Code) 7,</p>				
	<p>— IMO Res.MSC.391(95)-(IGF Code) 11),</p>				
	<p>— IMO MSC.1/Circ.1313.</p>				
<p>MED/3.11a 'A' & 'B' Class divisions fire integrity: 'A' class divisions. Row 1 of 1</p>	<p>Type approval requirements</p>	<p>—</p>	<p>IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code),</p>		
	<p>— SOLAS 74 Reg. II-2/3.2,</p>		<p>as amended,</p>		
	<p>— IMO MSC/Circ.1120.</p>		<p>IMO MSC.1/Circ.1435.</p>		
	<p>Carriage and performance requirements</p>				

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	—	SOLAS 74 Reg. II-2/3.2.			
	—	SOLAS 74 Reg. II-2/9,			
	—	IMO MSC/ Circ.1120,			
	—	IMO MSC.1/ Circ.1434.			
MED/3.11b 'A' & 'B' Class divisions fire integrity: 'B' class divisions. Note: Excludes restricted B-Class divisions/ doors. Row 1 of 1	Type approval requirements — — — Carriage and performance requirements — — — — —	— SOLAS 74 Reg. II-2/3.4, IMO MSC/ Circ.1120. SOLAS 74 Reg. II-2/3.4, SOLAS 74 Reg. II-2/9, IMO MSC/ Circ.1120, IMO MSC.1/ Circ.1581.	IMO B+D Res.MSC.307(88)- (2010 B+F FTP Code), as amended.		
MED/3.12 Devices to prevent the passage of flame into the cargo tanks in tankers Row 1 of 2	Type approval requirements — — —	(a) SOLAS 74 Reg. II-2/4, SOLAS 74	P/V valves — —	For equipment other than valves: IMO MSC/ Circ.677, B+D as amended, For valves: IMO FSO 16852:2010,	23.5.2019 (III)

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	Reg. II-2/16.	—	ISO 15364:2016.		
	Carriage and performance requirements	(b)	Flame arresters:		
	— SOLAS 74 Reg. II-2/4,	—	IMO MSC/Circ.677, as amended,		
	— SOLAS 74 Reg. II-2/16,	—	EN ISO 16852:2010.		
	— IMO Res.MSC.98(73)- (FSS Code) 15.	(c)	Detonation flame arresters:		
			— IMO MSC/Circ.677, as amended.		
			— EN ISO 16852:2010.		
		(d)	High velocity vent valves:		
			— IMO MSC/Circ.677, as amended,		
			— EN ISO 16852:2010,		
			— ISO 15364:2016.		
MED/3.12 Devices to prevent the passage of flame into the cargo tanks in tankers Row 2 of 2	Type approval requirements	(a)	P/V valves	For equipment other than valves	19.6.2018
	— SOLAS 74 Reg. II-2/4,	—		IMO MSC/Circ.677, as amended,	
	— SOLAS 74 Reg. II-2/16.	—		EN ISO 16852:2016,	
				ISO 15364:2016.	
	Carriage and performance requirements	(b)	Flame arresters:		

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	— SOLAS 74 Reg. II-2/4,	—	IMO MSC/ Circ.677, as amended,	
	— SOLAS 74 Reg. II-2/16.	—	EN ISO 16852:2016.	
	— IMO (c) Res.MSC.98(73) (FSS Code) 15.	Detonation flame arresters:	— IMO MSC/ Circ.677, as amended, EN ISO 16852:2016.	
	(d)	High velocity vent valves:	— IMO MSC/ Circ.677, as amended, EN ISO 16852:2016, ISO 15364:2016.	
MED/3.13 Non-combustible materials Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.	
	Carriage and performance requirements — SOLAS 74 Reg. II-2/3,			

—	SOLAS 74 Reg. II-2/5,			
—	SOLAS 74 Reg. II-2/9,			
—	IMO Res.MSC.36(63)- (1994 HSC Code) 7,			
—	IMO Res.MSC.97(73)- (2000 HSC Code) 7.			

MED/3.14, Materials other than steel for pipes penetrating “A” and “B” Class divisions –
Item included in MED/3.26 and MED/3.27.

MED/3.15a Materials other than steel for pipes conveying oil or fuel oil: plastic pipes and fittings. Row 1 of 1	Type approval requirements	—	IMO B+D Res.A55E(18), as B+F amended, IMO Res.MSC.307(88)- (2010 FTP Code), as amended.		
	Carriage and performance requirements	—			
	—	SOLAS 74 Reg. II-2/4,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 7,			
	—	IMO Res.MSC.36(63)- (1994 HSC			

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	Code) 10, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 10, — IMO MSC/ Circ.1120.			
MED/3.15b Materials other than steel for pipes conveying oil or fuel oil: valves. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/4, — SOLAS 74 Reg. X/3.	— EN ISO 10497	B+D B+E B+E B+E	
	Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.36(63)- (1994 HSC Code) 10, — IMO Res.MSC.97(73)- (2000 HSC			

	Code) 7, IMO Res.MSC.97(73)- (2000 HSC Code) 10, IMO MSC/ Circ.1120.			
MED/3.15c Materials other than steel for pipes conveying oil or fuel oil: flexible pipe assemblies and compensators. Row 1 of 2	Type approval requirements — SOLAS 74 Reg. II-2/4, — SOLAS 74 Reg. X/3.	Flexible pipe assemblies: — EN ISO 15540:2001, — EN ISO 15541:2001.	B+D B+E B+F	1.7.2019 (III)
	Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.36(63)- (1994 HSC Code) 10, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC			

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		Code) 10, IMO MSC/ Circ.1120.			
MED/3.15c Materials other than steel for pipes conveying oil or fuel oil: flexible pipe assemblies and compensators. Row 2 of 2	Type approval requirements	— SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. X/3.	ISO 15540:2016, ISO 15541:2016.	B+D B+E, B+F	19.6.2018
	Carriage and performance requirements	— SOLAS 74 Reg. II-2/4, IMO Res.MSC.36(63)- (1994 HSC Code) 7, IMO Res.MSC.36(63)- (1994 HSC Code) 10, IMO Res.MSC.97(73)- (2000 HSC Code) 7, IMO Res.MSC.97(73)- (2000 HSC Code) 10, IMO MSC/ Circ.1120.			

<p>MED/3.15d Materials other than steel for pipes conveying oil or fuel oil: metallic pipe components with resilient and elastomeric seals. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.36(63)- (1994 HSC Code) 10, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 10, — IMO MSC/ Circ.1120, — IMO MSC/ Circ.1527.</p>	<p>— ISO 1992 — ISO 1992:2005.</p>	<p>B+D B+D, B+F</p>		
<p>MED/3.16 Fire Doors</p>	<p>Type approval requirements</p>	<p>— IMO Res.MSC.307(88)- (2010</p>	<p>B+D B+F</p>		

<p>MED/3.18a Surface materials and floor coverings with low flame-spread characteristics: decorative veneers. Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— SOLAS 74 Reg. X/3.</p>	<p>—</p>	<p>IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.</p>		
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO MSC/ Circ.1120.</p>				

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<p>MED/3.18b Surface materials and floor coverings with low flame-spread characteristics: paint systems. Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— SOLAS 74 Reg. X/3.</p>	<p>—</p>	<p>IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.</p>		
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO MSC/Circ.1120.</p>				

<p>MED/3.18c Surface materials and floor coverings with low flame-spread characteristics: floor coverings. Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— SOLAS 74 Reg. X/3.</p>	<p>—</p>	<p>IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.</p>		
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/6,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO MSC/Circ.1120.</p>				

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MED/3.18d Surface materials and floor coverings with low flame-spread characteristics: pipe insulation covers. Row 1 of 1	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. X/3.</p>	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO MSC/Circ.1120.</p>				
MED/3.18e Surface materials and floor coverings with low flame-spread characteristics: adhesives used in the	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74</p>	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		

<p>construction of 'A', 'B' & 'C' class divisions. Row 1 of 1</p>	<p>— Reg. II-2/5, SOLAS 74 — Reg. II-2/9, SOLAS 74 — Reg. X/3.</p>				
	<p>Carriage and performance requirements — SOLAS 74 — Reg. II-2/3, SOLAS 74 — Reg. II-2/5, SOLAS 74 — Reg. II-2/9, IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7, — IMO MSC/Circ.1120.</p>				
<p>MED/3.18f Surface materials and floor coverings with low flame-spread characteristics: combustible ducts membrane. Row 1 of 1</p>	<p>Type approval requirements — SOLAS 74 — Reg. II-2/3, SOLAS 74 — Reg. II-2/5,</p>	<p>—</p>	<p>IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.</p>		

Status: This is the original version (as it was originally adopted).

	— SOLAS 74 Reg. II-2/9,			
	— SOLAS 74 Reg. X/3.			
	Carriage and performance requirements			
	— SOLAS 74 Reg. II-2/3,			
	— SOLAS 74 Reg. II-2/5,			
	— SOLAS 74 Reg. II-2/9,			
	— IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
	— IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
	— IMO MSC/Circ.1120.			
MED/3.19 Draperies, curtains and other suspended textile materials and films Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. II-2/9, — SOLAS 74	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended, IMO MSC.1/Circ.1456, as amended.	

		Reg. X/3.			
		Carriage and performance requirements			
		— SOLAS 74			
		— Reg. II-2/3, SOLAS 74			
		— Reg. II-2/9, IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
		— IMO Res.MSC.97(73)-(2000 HSC Code) 7.			
MED/3.20	Type	—	IMO B+D		12.8.2023
—	Upholstery approval requirements		Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		(I)
Row 1 of 1	—	SOLAS 74			
	—	Reg. II-2/3, SOLAS 74			
	—	Reg. II-2/5, SOLAS 74			
	—	Reg. II-2/9, SOLAS 74			
	—	Reg. X/3.			
		Carriage and performance requirements			
		— SOLAS 74			
		— Reg. II-2/3,			

Status: This is the original version (as it was originally adopted).

	—	SOLAS 74 Reg. II-2/5,			
	—	SOLAS 74 Reg. II-2/9,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7.			
MED/3.20a Upholstered furniture: complete piece of furniture (including cover material, filling material and non-flammable rack). Row 1 of 1 (NEW ROW)	Type approval requirements	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.	12.8.2020	
	—	SOLAS 74 Reg. II-2/3,			
	—	SOLAS 74 Reg. II-2/5,			
	—	SOLAS 74 Reg. II-2/9,			
	—	SOLAS 74 Reg. X/3.			
	Carriage and performance requirements	—			
	—	SOLAS 74 Reg. II-2/3,			
	—	SOLAS 74 Reg. II-2/5,			
	—	SOLAS 74			

	—	Reg. II-2/9, IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7.			
MED/3.20b Upholstered furniture: cover material for any filling material. Row 1 of 1 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. II-2/3, SOLAS 74 Reg. II-2/5, SOLAS 74 Reg. II-2/9, SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. II-2/3, SOLAS 74 Reg. II-2/5, SOLAS 74 Reg. II-2/9, IMO Res.MSC.36(63)-(1994 HSC	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), Annex 1 Part 8 Appendix 3, as amended.	12.8.2020	

	Code)				
MED/3.20d Upholstered furniture: flame-retardant filling material. Row 1 of 1 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. II-2/5, — SOLAS 74 Reg. II-2/9, — SOLAS 74 Reg. X/3.	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), Annex 1 Part 8 Appendix 3, as amended.	12.8.2020	
	Carriage and performance requirements — SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. II-2/5, — SOLAS 74 Reg. II-2/9, — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7.				
MED/3.21 Bedding components	Type approval requirements	—	IMO B+D Res.MSC.307(88)-(2010 B+F		

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<p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>— SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. II-2/9, — SOLAS 74 Reg. X/3.</p>	<p>FTP Code), as amended.</p>			
	<p>Carriage and performance requirements — SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. II-2/9, — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7.</p>				
<p>MED/3.22 Fire dampers Row 1 of 1</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9.</p>	<p>— IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.</p>			

Item MED/3.23, Non-combustible duct penetrations through 'A' class divisions - Item deliberately left blank.

Item MED/3.24, Electric cable transits through 'A' class divisions — Item deliberately left blank.

MED/3.25 "A" and "B" class fire proof windows and side scuttles Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9.	—	IMO B+D Res.MSC.307(88)- (2010 B+F FTP Code), as amended.		
	Carriage and performance requirements — SOLAS 74 Reg. II-2/9, — IMO Res.MSC.5(48)- (IGC Code) 3, — IMO MSC/ Circ.1120.				
MED/3.26a Penetrations through 'A' class divisions: electric cable transits. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9.	—	IMO B+D Res.MSC.307(88)- (2010 B+F FTP Code), as amended, IMO Res.MSC.1/ Circ. 1488.		
MED/3.26b Penetrations through 'A' class divisions: pipe, duct, trunk, etc. penetrations. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9.	—	IMO B+D Res.MSC.307(88)- (2010 B+F FTP Code), as amended,		

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	Carriage and performance requirements — SOLAS 74 Reg. II-2/9, — IMO MSC.1/Circ. 1276.	—	IMO MSC.1/Circ. 1488.		
MED/3.27a Penetrations through 'B' class divisions: electric cable transits, Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9.	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		
MED/3.27b Penetrations through 'B' class divisions: pipe, duct, trunk, etc. penetrations, Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9.	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		
MED/3.28 Sprinkler systems (limited to sprinkler heads). (Nozzles for fixed sprinkler systems, for high speed craft (HSC))	Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. II-2/10,	— Or:	ISO 6182-2:2014, EN 12259-1:1999 incl. A1:2001, A2:2004 and A3:2006.		

<p>are included under this item). Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.44(65),</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res.MSC.98(73)-(FSS Code) 8,</p> <p>— IMO MSC/Circ.912,</p> <p>— MSC.1/Circ.1556.</p>				
<p>MED/3.29 Fire-fighting hoses: Non-percolating lay flat firefighting hoses (range of the inside diameter from 25 mm to 52 mm). Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p>	<p>— EN 14540</p>	<p>B+D B+E4. B+F</p>		

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	Carriage and performance requirements	—	SOLAS 74 Reg. II-2/10,			
		—	IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
		—	IMO Res.MSC.97(73)-(2000 HSC Code) 7.			
MED/3.30 Portable oxygen analysis and gas detection equipment Row 1 of 4	Type approval requirements	—	EN 60945:2002 incl. B+F	B+D	16.3.2017	28.2.2020 (II)
		—	SOLAS 74 Reg. II-2/4,	IEC 60945 Corr. 1:2008,		
		—	SOLAS 74 Reg. VI/3,	or IEC 60945:2002 incl.		
		—	SOLAS 74 Reg. XI-1/7.	IEC 60945 Corr. 1:2008,		
	Carriage and performance requirements	—	IEC 60092-504:2016,			
		—	IEC 60533:2015.			
		—	SOLAS 74 Reg. II-2/4,	And as applicable to: Category 1: (safe area);		
		—	SOLAS 74 Reg. VI/3,	—	EN 50104:2010,	
		—	SOLAS 74 Reg. XI-1/7.	—	EN 60079-29-1:2016.	
		—	IMO Res.MSC.98(73)-	Category 2: (explosive		

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	(FSS Code) 15, IMO MSC.1/Circ.1477.	—	gas atmospheres):	EN 50104:2010, EN 60079-29-1:2007, EN 60079-0:2012 incl. A11:2013, EN 60079-1:2014, EN 60079-10-1:2015, EN 60079-11:2012, EN 60079-15:2010, EN 60079-26:2015.		
MED/3.30 Portable oxygen analysis and gas detection equipment Row 2 of 4	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 60092-504:2016, IEC 60533:2015, And as applicable to:	B+D B0B2 B+F	19.6.2018	6.7.2021 (II)
	SOLAS 74 Reg. II-2/4,	—	IEC 60945 Corr. 1:2008,			
	SOLAS 74 Reg. VI/3,	—	or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,			
	SOLAS 74 Reg. XI-1/7.	—	IEC 60092-504:2016, IEC 60533:2015,			
	Carriage and performance requirements	—	IEC 60092-504:2016, IEC 60533:2015,			
	SOLAS 74 Reg. II-2/4,	—	(a) Category 1: (safe area):			
	SOLAS 74 Reg. VI/3,	—	EN 50104:2010,			
	SOLAS 74 Reg. XI-1/7.	—	EN 60079-29-1:2016,			
	IMO Res. MSC.98(73)	—	(b) Category 2: (explosive			

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	(FSS Code)	15, IMO MSC.1/Circ.1477.	gas atmospheres):	EN 50104:2010, EN 60079-29-1:2016, EN 60079-0:2012 incl. A11:2013, EN 60079-1:2014, EN 60079-10-1:2015, EN 60079-11:2012, EN 60079-15:2010, EN 60079-26:2015.	
MED/3.30 Portable oxygen analysis and gas detection equipment Row 3 of 4	Type approval requirements	— SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. VI/3, SOLAS 74 Reg. XI-1/7.	EN 60945 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 60092-504:2016, IEC 60533:2015.	B+D B+E B+F	6.7.2021 (II)
	Carriage and performance requirements	— SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. VI/3, SOLAS 74 Reg. XI-1/7.	EN 60945 incl. IEC 60945 Corr. 1:2008, IEC 60092-504:2016, IEC 60533:2015.		
		— SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. VI/3, SOLAS 74 Reg. XI-1/7.	EN 60945 incl. IEC 60945 Corr. 1:2008, IEC 60092-504:2016, IEC 60533:2015.		
		— SOLAS 74 Reg. XI-1/7.	EN 60945 incl. IEC 60945 Corr. 1:2008, IEC 60092-504:2016, IEC 60533:2015.		
		— IMO Res.MSC.98(73)	EN 60945 incl. IEC 60945 Corr. 1:2008, IEC 60092-504:2016, IEC 60533:2015.		

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	(FSS Code) 15, IMO MSC.1/Circ.1477, IMO MSC.1/Circ.1581.	—	gas atmospheres):	EN 50104:2010, EN 60079-29-1:2016, EN 60079-0:2012 incl. A11:2013, EN 60079-1:2014, EN 60079-10-1:2015, EN 60079-11:2012, EN 60079-15:2010, EN 60079-26:2015.	
MED/3.30 Portable oxygen analysis and gas detection equipment Row 4 of 4 (NEW ROW)	Type approval requirements	—	EN 60945-1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+F	12.8.2020
	SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. VI/3, SOLAS 74 Reg. XI-1/7.	—	IEC 60945 Corr. 1:2008, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	Carriage and performance requirements	—	IEC 60092-504:2016, IEC 60533:2015.		
	SOLAS 74 Reg. II-2/4, SOLAS 74 Reg. VI/3, SOLAS 74 Reg. XI-1/7.	—	And as applicable to: Category 1: (safe area);		
	SOLAS 74 Reg. XI-1/7.	—	EN 50104:2010, EN 60079-29-1:2016.		
	IMO Res.MSC.98(73)	—	Category 2: (explosive		

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	(FSS Code)	15, IMO MSC.1/Circ.1477, IMO MSC.1/Circ.1581.	gas atmospheres):	EN 50104:2010, EN 60079-29-1:2016, EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-10-1:2015, EN 60079-11:2012, EN 60079-15:2010, EN 60079-26:2015.		
Item MED/3.31, Nozzles for fixed sprinkler systems for high speed craft ((HSC), deleted as it is covered by MED/3.9 and MED/3.28.						
MED/3.32 Fire restricting materials (except furniture) for high speed craft Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3. Carriage and performance requirements — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7, — IMO MSC.1/Circ.1457.	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.			
MED/3.33 Fire restricting materials for furniture for	Type approval requirements — SOLAS 74	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code),			

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high speed craft Row 1 of 1	Reg. X/3. Carriage and performance requirements — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7.	as amended.			
MED/3.34 Fire resisting divisions for high speed craft Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3. Carriage and performance requirements — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7, — IMO MSC.1/Circ.1457.	— IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.			
MED/3.35 Fire doors on high speed craft Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3.	— IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.			

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	Carriage and performance requirements — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7.				
MED/3.36 Fire dampers on high speed craft Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3. Carriage and performance requirements — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7.	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		
MED/3.37a Penetrations through fire resisting divisions on high speed craft: electric cable transits. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3. Carriage and performance requirements — IMO Res.MSC.36(63)-(1994	—	IMO B+D Res.MSC.307(88)-(2010 B+F FTP Code), as amended.		

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		HSC Code) 7, IMO Res.MSC.97(73)- (2000 HSC Code) 7.			
MED/3.37b Penetrations through fire resisting divisions on high speed craft: pipe, duct, trunk etc. penetrations. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3. Carriage and performance requirements — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7.	—	IMO B+D Res.MSC.307(88)- (2010 B+F FTP Code), as amended.		
MED/3.38 Portable fire- extinguishing equipment for lifeboats and rescue boats Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res.A.951(23),	— — — —	EN B+D 3-7:2004 incl. B+F A1:2007, EN 3-8:2006 incl. AC:2007, EN 3-9:2006 incl. AC:2007, EN 3-10:2009.		

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	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.48(66)-(LSA Code) I,			
	—	IMO Res.MSC.48(66)-(LSA Code) IV,			
	—	IMO Res.MSC.48(66)-(LSA Code) V,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8.			
MED/3.39 Nozzles for equivalent water-mist fire extinguishing systems for machinery spaces and cargo pump rooms Row 1 of 1	Type approval requirements — — — —	SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 7.	—	IMO B+D MSC/B+E Circ.166F as amended.	
	Carriage and performance requirements — —	SOLAS 74 Reg. II-2/10, IMO Res.MSC.36(63)-			

		(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 7, IMO MSC.1/Circ.1313, IMO MSC.1/Circ.1458.			
MED/3.40 Low-location lighting systems (components only) Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/13, — IMO Res.MSC.98(73)-(FSS Code) 11. Carriage and performance requirements — SOLAS 74 Reg. II-2/13, — IMO Res.A.752(18), — IMO Res.MSC.98(73)-(FSS Code) 11.	— —	IMO B+D Res.A.752(18), ISO B+F 15370:2010.		
MED/3.41 Emergency escape breathing	Type approval requirements	— and alternatively:	ISO B+D 23269:2008, B+F		

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devices (EEBD) Row 1 of 1	—	SOLAS 74 Reg. II-2/13.	For self- contained:		
	Carriage and performance requirements	—	open- circuit compressed air breathing apparatus with full mask or mouthed piece assembly for escape: EN 402:2003.		
	—	SOLAS 74 Reg. II-2/13, IMO Res.MSC.98(73)- (FSS Code) 3, IMO MSC/ Circ.849.	breathing apparatus with full mask or mouthed piece assembly for escape: EN 402:2003.		
	—		For self- contained open- circuit compressed air breathing apparatus with a hood for escape: EN 1146:2005.		
	—		For self- contained: closed- circuit compressed air breathing apparatus: EN 13794:2002.		
MED/3.42a Inert gas systems:	Type approval requirements	—	IMO G MSC/ Circ.353,		12.8.2020

<p>Whole system. Row 1 of 1 (NEW ITEM)</p>	<p>— SOLAS 74 Reg. II-2/4.</p>	<p>as amended.</p>			
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— IMO Res.A.567(14),</p> <p>— IMO Res.MSC.98(73)-(FSS Code) 15,</p> <p>— IMO MSC/Circ.353,</p> <p>— IMO MSC/Circ.485,</p> <p>— IMO MSC/Circ.731,</p> <p>— IMO MSC/Circ.1120.</p>				
<p>MED/3.42b Inert gas system: Single components. Note: Equipment regarded as inert gas system components under MED/3.42b are in general:</p> <p>— Inert gas fans/blowers</p> <p>— Inert gas generator</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— IMO Res.A.567(14),</p> <p>— IMO Res.MSC.98(73)-(FSS Code) 15,</p>	<p>— IMO B+D MSC/B+E Circ.353,F as amended.</p>			

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<p>— Sea water pumps for scrubber</p> <p>— Deck water seal</p> <p>— Non-return valves</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>— IMO MSC/Circ.353,</p> <p>— IMO MSC/Circ.485,</p> <p>— IMO MSC/Circ.731,</p> <p>— IMO MSC/Circ.1120.</p>				
<p>MED/3.43 Nozzles for deep fat cooking equipment fire extinguishing systems (automatic or manual type). Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/1,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/1,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res.MSC.97(73)-(2000</p>	<p>— ISO 15371</p>	<p>B+D B+B9. B+F</p>		<p>15.11.2018 (III)</p>

		—	HSC Code) 7, IMO MSC.1/ Circ.1433.			
MED/3.43 Nozzles for deep fat cooking equipment fire extinguishing systems (automatic or manual type). Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 2	Type approval requirements — SOLAS 74 Reg. II-2/1, SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3.	—	ISO 1537	B+D B+E. B+F	16.3.2017	
	Carriage and performance requirements — SOLAS 74 Reg. II-2/1, SOLAS 74 Reg. II-2/10, IMO Res.MSC.97(73)- (2000 HSC Code) 7, IMO MSC.1/ Circ.1433.					
MED/3.44 Fire-fighters outfit – lifeline Row 1 of 2	Type approval requirements — SOLAS 74 Reg. II-2/10, SOLAS 74	—	IMO Res.MSC.98(73)- (FSS Code) 3, as amended, IMO Res.MSC.307(88)- (2010 FTP	B+D B+E B+F		3.9.2022 (II)

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	—	Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 3.	Code), as amended.		
		Carriage and performance requirements			
	—	SOLAS 74 Reg. II-2/10, IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
	—	IMO Res.MSC.98(73)-(FSS Code) 3.			
MED/3.44 Fire-fighters outfit – lifeline Lifelines for breathing apparatus approved under item MED/3.7 and item MED/7.1 Row 2 of 2	Type approval requirements	—	IMO B+D Res.MSC.98(73)-(FSS B+F Code) 3, as amended,		13.9.2019
	—	SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 3.	IMO B+F Res.MSC.307(88)-(2010 FTP Code), as amended, ISO 23269-2:2011.		
		Carriage and performance requirements			

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		— SOLAS 74 Reg. II-2/10,			
		— IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
		— IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
		— IMO Res.MSC.98(73)-(FSS Code) 3.			
MED/3.45 Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1	Type approval requirements	— SOLAS 74 Reg. II-2/10,	IMO B+D MSC/B+E Circ. 848,F as amended.		
		— SOLAS 74 Reg. X/3,			
		— IMO Res.MSC.98(73)-(FSS Code) 5.			
	Carriage and performance requirements	— SOLAS 74 Reg. II-2/10,			
		— IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
		— IMO Res.MSC.97(73)-			

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		(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 5, IMO MSC/Circ.848, IMO MSC.1/Circ.1313.			
MED/3.46 Equivalent fixed gas fire extinguishing systems for machinery spaces (aerosol systems) Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)-(FSS Code) 5. Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7, — IMO Res.MSC.98(73)-	—	IMO B+D MSC/B+E Circ.177F incl. Corr.1, as amended.		

		(FSS Code) 5, IMO MSC/Circ.1270 incl. Corr.1, IMO MSC.1/Circ.1313.			
MED/3.47 Concentrate for fixed high expansion foam fire extinguishing systems for machinery spaces and cargo pump rooms. Note: The fixed high expansion foam fire extinguishing system (including those systems which use inside air from their working spaces for their intended performance), for machinery spaces and cargo pump rooms must still be tested with the approved concentrate to the satisfaction of the Administration. Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10. Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.98(73)-(FSS Code) 6.	—	IMO MSC/Circ.600	B+D B+E B+F	

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<p>MED/3.48 Fixed water based local application fire-fighting systems components for use in category A machinery spaces (Nozzles and performance tests). Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7.</p>	<p>—</p>	<p>IMO MSC.1/Circ.1</p>	<p>B+D B+E B+F</p>		
<p>MED/3.49a Fixed water-based fire-fighting systems for ro-ro spaces, vehicle spaces and special category spaces: Prescriptive-based systems as per IMO MSC.1/Circ.1430. Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res.MSC.98(73)-(FSS Code) 7.</p>	<p>—</p>	<p>IMO MSC.1/Circ.1</p>	<p>B+D B+E B+F</p>		<p>1.1.2024 (III)</p>

	Carriage and performance requirements	—	SOLAS 74 Reg. II-2/19,			
		—	SOLAS 74 Reg. II-2/20,			
		—	IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
		—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
		—	IMO Res.MSC.98(73)-(FSS Code) 7.			
MED/3.49a Fixed water-based fire-fighting systems for ro-ro spaces, vehicle spaces and special category spaces: Prescriptive-based systems as per IMO MSC.1/Circ.1430, Revision 1. Row 2 of 2 (NEW ROW)	Type approval requirements	—	IMO MSC.1/Circ.1430, Revision 1.	B+D B+E B+C	12.8.2020	
		—	SOLAS 74 Reg. II-2/19,			
		—	SOLAS 74 Reg. II-2/20,			
		—	SOLAS 74 Reg. X/3,			
		—	IMO Res.MSC.98(73)-(FSS Code) 7.			
	Carriage and performance requirements					

Status: This is the original version (as it was originally adopted).

	—	SOLAS 74 Reg. II-2/19,			
	—	SOLAS 74 Reg. II-2/20,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
	—	IMO Res.MSC.98(73)-(FSS Code) 7.			
MED/3.49b Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces: Performance-based systems as per IMO MSC.1/Circ. 1430, Row 1 of 2	Type approval requirements	—	IMO MSC.1430	B+D B+E B+C	1.1.2021 (III)
	—	SOLAS 74 Reg. II-2/19,			
	—	SOLAS 74 Reg. II-2/20,			
	—	SOLAS 74 Reg. X/3,			
	—	IMO Res.MSC.98(73)-(FSS Code) 7.			
	Carriage and performance requirements				
	—	SOLAS 74 Reg. II-2/19,			

	—	SOLAS 74 Reg. II-2/20,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
	—	IMO Res.MSC.98(73)-(FSS Code) 7.			
MED/3.49b Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces: Performance-based systems as per IMO MSC.1/Circ. 1430, Revision 1. Row 2 of 2 (NEW ROW)	Type approval requirements	—	IMO MSC.1/Circ. 1430, Revision 1.	B+D B+E B+C	12.8.2020
	—	SOLAS 74 Reg. II-2/19,			
	—	SOLAS 74 Reg. II-2/20,			
	—	SOLAS 74 Reg. X/3,			
	—	IMO Res.MSC.98(73)-(FSS Code) 7.			
	Carriage and performance requirements				
	—	SOLAS 74 Reg. II-2/19,			
	—	SOLAS 74 Reg. II-2/20,			

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—	IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
—	IMO Res.MSC.98(73)-(FSS Code) 7.			

MED/3.50, Protective clothing resistant to chemical attack, - item moved to MED/9/3.9.

MED/3.51a Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Control and indicating equipment Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 3	Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)-(FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC	Electrical installations in ships: EN 54-2:1997 incl. AC:1999 and A1:2006. And, as applicable, electrical and installations in ships: — IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.	B+D B+E B+F		1.6.2019 (III)
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	Code) 7, — IMO Res.MSC.98(73)- (FSS Code) 9, — IMO MSC.1/ Circ.1242.				
MED/3.51a Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Control and indicating equipment Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 3	Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)- (FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.98(73)- (FSS Code) 9,	Electrical installations in ships: — EN 54-2:1997 incl. AC:1999 and A1:2006. And, as applicable, electrical and installations in ships: — IEC 60092-504:2016, IEC 60533:2015. —	B+D B+E B+F	16.3.2017	1.1.2020 (III)

<p>components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Power supply equipment. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 3</p>	<p>— Reg. II-2/7, SOLAS 74 — Reg. X/3, IMO Res.MSC.98(73)- (FSS Code) 9. Carriage and performance requirements — SOLAS 74 — Reg. II-2/7, IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.98(73)- (FSS Code) 9, — IMO Res.MSC.391(95)- (IGF Code) 11, — IMO MSC.1/ Circ.1242, — IMO MSC.1/ Circ.1554.</p>	<p>and A2:2006. And, as applicable, electrical and electronic installations IEC 60092-504:2016, IEC 60533:2015.</p>			
<p>MED/3.51c Fixed fire detection and fire alarm systems components</p>	<p>Type approval requirements — SOLAS 74</p>	<p>— EN 54-5:2000 incl. A1:2002. And, as applicable,</p>	<p>B+D B+F</p>		<p>1.6.2019 (III)</p>

Status: This is the original version (as it was originally adopted).

<p>for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Heat detectors - Point detectors. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 4</p>	<p>— Reg. II-2/7, SOLAS 74 X/3, IMO Res.MSC.98(73) (FSS Code) 9.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)- (1994 HSC Code) 7, IMO Res.MSC.97(73)- (2000 HSC Code) 7, IMO Res.MSC.98(73)- (FSS Code) 9, IMO MSC.1/ Circ.1242.</p>	<p>Reg. II-2/7, SOLAS 74 X/3, IMO Res.MSC.98(73) (FSS Code) 9.</p> <p>—</p> <p>—</p> <p>—</p> <p>—</p> <p>—</p> <p>—</p> <p>—</p>	<p>electrical and electronic installations in ships:</p> <p>IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.</p>		
<p>MED/3.51c Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7, SOLAS 74 X/3, IMO Res.MSC.98(73) (FSS Code) 9, IMO MSC.1/ Circ.1242.</p>	<p>— EN 54-5:2000 incl. A1:2002. And, as applicable, electrical and electronic installations in ships:</p> <p>IEC 60092-504:2016, IEC 60533:2015.</p>	<p>B+D B+C B+F</p>	<p>16.3.2017</p>	<p>28.2.2020 (III)</p>

<p>unattended machinery spaces: Heat detectors - Point detectors. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 4</p>	<p>Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242.</p>				
<p>MED/3.51c Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Heat detectors - Point detectors.</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/7, IMO Res.MSC.98(73)-(FSS Code) 9. Carriage and performance requirements — SOLAS 74</p>	<p>— EN 54-5:2014 And, as applicable, electrical and electronic installations on ships: — IEC 60092-504:2016, — IEC 60533:2015.</p>	<p>B+D B+E B+F</p>	<p>19.6.2018</p>	<p>12.8.2023 (III)</p>

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<p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 4</p>	<p>— Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) — IMO Res.MSC.97(73)-(2000 HSC Code) — IMO Res.MSC.98(73)-(FSS Code) 9, — IMO MSC.1/Circ.1242.</p>				
<p>MED/3.51c Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Heat detectors - Point detectors. Note: For products used as spare parts of existing installations the relevant standards at the time of</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)(FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p>	<p>— EN 54-5:2018. And, as applicable, electronic installations in ships: — IEC 60092-504:2016, IEC 60533:2015.</p>	<p>B+D B+E B+F</p>	<p>12.8.2020</p>	

placing on board can still be applied. Row 4 of 4 (NEW ROW)	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
	—	IMO Res.MSC.98(73)-(FSS Code) 9,			
	—	IMO MSC.1/Circ.1242.			
MED/3.51d Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Smoke detectors: Point detectors using scattered light, transmitted light or ionization. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on	Type approval requirements	—	EN 54-7:2004 incl. A1:2002 and A2:2006.	B+D B+F	31.8.2022 (III)
	—	SOLAS 74 Reg. II-2/7, And, as applicable, electrical and electronic installations in ships:	60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.		
	Carriage and performance requirements	—			
	—	SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,			
	—	IMO Res.MSC.98(73)-(FSS			

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board can still be applied. Row 1 of 2	—	Code) 9, IMO MSC.1/ Circ.1242.			
MED/3.51d Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: (d) Smoke detectors: Point detectors using scattered light, transmitted light or ionization. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 2	Type approval requirements	— EN 54-7: 2014 And, as Applicable, electrical and electronic installations on ships: — IEC 60092-504:2016, — IEC 60533:2015. MSC.98(73)- (FSS Code) 9. Carriage and performance requirements	— EN 54-7: 2014 B+D B+E B+F		13.9.2019
	—	SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)- (FSS Code) 9.			
	—	SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)- (1994 HSC Code) 7, IMO Res.MSC.97(73)- (2000 HSC Code) 7, IMO Res.MSC.98(73)- (FSS Code) 9, IMO Res.MSC.391(95)- (IGF Code) 11,			

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<p>components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Flame detectors: Point detectors. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 3</p>	<p>— — — — — — — — —</p> <p>Carriage and performance requirements</p> <p>SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242.</p>	<p>And, as applicable, electrical and electronic installations in ships: — IEC 60092-504:2016, — IEC 60533:2015.</p>			
<p>MED/3.51e Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS</p>	<p>— EN 54-1010 incl. A1:2005, And, as applicable, electrical and electronic installations in ships: — IEC 60092-504:2016, IEC 60533:2015.</p>	<p>B+D B+F</p>	<p>19.6.2018</p>	

<p>spaces and unattended machinery spaces: Flame detectors: Point detectors. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 3</p>	<p>Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO Res.MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242.</p>				
<p>MED/3.51f Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 9. —</p>	<p>— EN 54-11 incl. A1:2005. And, as applicable, electronic installations in ships: — IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.</p>	<p>B+D B00 B+F 2005.</p>		<p>1.6.2019 (III)</p>

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<p>Manual call points. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 3</p>	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res.MSC.98(73)-(FSS Code) 9,</p> <p>— IMO MSC.1/Circ.1242.</p>				
<p>MED/3.51f Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Manual call points. Note: For products used as spare parts of existing installations</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3,</p> <p>— IMO Res.MSC.98(73)(FSS Code) 9.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p>	<p>— EN 54-11 incl. A1:2005.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016, IEC 60533:2015.</p>	<p>B+D B00 B+F</p>	<p>16.3.2017</p>	<p>1.1.2020 (III)</p>

<p>the relevant standards at the time of placing on board can still be applied. Row 2 of 3</p>	<p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7, — IMO Res.MSC.98(73)-(FSS Code) 9, — IMO MSC.1/Circ.1242.</p>				
<p>MED/3.51f Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Manual call points. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 3</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)(FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000</p>	<p>— EN 54-11 incl. A1:2005. And, as applicable, electrical and electronic installations in ships: — IEC 60092-504:2016, IEC 60533:2015.</p>	<p>B+D B0E B+F</p>	<p>19.6.2018</p>	

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		—	HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO Res.MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242.			
MED/3.51g Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Short circuit isolators. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 3	Type approval requirements	—	EN 54-17:2005 incl. AC:2007.	B+D B+F B+F		1.6.2019 (III)
		—	SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73) (FSS Code) 9.	And, as applicable, electrical and electronic installations in ships: IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.		
	Carriage and performance requirements	—	SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7,			

	—	IMO Res.MSC.98(73)-(FSS Code) 9,				
	—	IMO MSC.1/Circ.1242.				
MED/3.51g Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Short circuit isolators. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 3	Type approval requirements	—	EN 54-17	B+D B005 B+F AC:2007.	16.3.2017	1.1.2020 (III)
	—	SOLAS 74 Reg. II-2/7,	And, as applicable, electrical and electronic installations in ships:			
	—	SOLAS 74 Reg. X/3,	—	IEC 60092-504:2016,		
	—	IMO Res.MSC.98(73)-(FSS Code) 9.	—	IEC 60533:2015.		
	Carriage and performance requirements	—				
	—	SOLAS 74 Reg. II-2/7,				
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 7,				
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 7,				
	—	IMO Res.MSC.98(73)-(FSS Code) 9,				
	—	IMO MSC.1/Circ.1242.				

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<p>MED/3.51g Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Short circuit isolators. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73) (FSS Code) 9.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO Res.MSC.391(95)-(IGF Code) 11, IMO MSC.1/ Circ.1242.</p>	<p>— EN 54-17:2005 incl. AC:2007.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016, IEC 60533:2015.</p>	<p>B+D B005 B+F</p>	<p>19.6.2018</p>	
<p>MED/3.51h Fixed fire detection and</p>	<p>Type approval requirements</p>	<p>— EN 54-18:2005</p>	<p>B+D B005 B+F</p>		<p>1.6.2019 (III)</p>

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<p>fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Input/output devices. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 3</p>	<p>— SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73) (FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242.</p>	<p>including AC:2007. And, as applicable, electrical and electronic installations in ships: IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.</p>			
<p>MED/3.51h Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, —</p>	<p>EN 54-18 B05 incl. B+F AC:2007. And, as applicable, electrical and electronic installations in ships: IEC 60092-504:2016,</p>		<p>16.3.2017</p>	<p>1.1.2020 (III)</p>

Status: This is the original version (as it was originally adopted).

<p>balconies, machinery spaces and unattended machinery spaces: Input/output devices. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 3</p>	<p>— IMO Res.MSC.98(73) (FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.98(73)- (FSS Code) 9, — IMO MSC.1/ Circ.1242.</p>	<p>— IEC 60533:2015.</p>			
<p>MED/3.51h Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Input/output devices.</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73) (FSS Code) 9. Carriage and performance requirements</p>	<p>— EN 54-183 incl. AC:2007. And, as applicable, electronic installations in ships: — IEC 60092-504:2016, — IEC 60533:2015.</p>	<p>B+D B05 B+F</p>	<p>19.6.2018</p>	

<p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 3</p>	<p>— SOLAS 74 Reg. II-2/7, — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7, — IMO Res.MSC.98(73)-(FSS Code) 9, — IMO Res.MSC.391(95)-(IGF Code) 11, — IMO MSC.1/Circ.1242.</p>				
<p>MED/3.51i Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Cables. Note: For products used as spare parts of existing</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)-(FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7,</p>	<p>— EN 60332-1 — IEC 60092-376:2003, And, as applicable, electrical and electronic installations in ships: — IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, — IEC 60533:1999.</p>	<p>B+D B+E:2004, B+F</p>		<p>1.6.2019 (III)</p>

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installations the relevant standards at the time of placing on board can still be applied. Row 1 of 4	— — — —	IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242.			
MED/3.51i Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Cables. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 2 of 4	Type approval requirements — SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)(FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000	— EN 60332-1-2:2004, IEC 60092-376:2003. And, as applicable, electrical and Electronic installations in ships: — IEC 60092-504:2016, IEC 60533:2015.	B+D B+E:2004, B+F B+F	16.3.2017	22.5.2020 (III)

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		HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242.				
MED/3.51i Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Cables. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 4	Type approval requirements — SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 9. Carriage and performance requirements — SOLAS 74 Reg. II-2/7, IMO Res.MSC.36(63) (1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 9,	— EN 60332-1-2:2004 incl. A1:2015, IEC 60092-376:2017. — And, as applicable, electrical and electronic installations in ships: IEC 60092-504:2016, IEC 60533:2015, IEC 60332-1-2:2004 incl. A1:2015. — And/or: Fire Resistant Cables: IEC 60092-376:2017, IEC 60331-1:2009 or IEC 60331-2:2009. — And as applicable, electrical and electronic installations in ships: IEC 60092-504:2016, IEC 60533:2015,	EN B+D 60332-1-2:2004 incl. B+F A1:2015, IEC 60092-376:2017.	B+D B+E:2004 B+F	19.6.2018	28.3.2021 (III)

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	—	IMO Res.MSC.391(95) (IGF Code) 11,	—	IEC 60332-1-2:2004 incl. A1:2015.		
	—	IMO MSC.1/Circ.1242.				
MED/3.51i Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Cables. Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 4 of 4	Type approval requirements	—	EN 60332-1-2:2004 incl. B+D B+E:2004 B+F		13.9.2019	
	—	SOLAS 74 Reg. II-2/7,	—	A1:2015 and A11:2016, IEC 60092-376:2017.		
	—	SOLAS 74 Reg. X/3,	—	And, as applicable, electrical and electronic installations in ships:		
	—	IMO Res.MSC.108(70) (FSS Code) 9.	—	IEC 60092-504:2016, IEC 60533:2015.		
	Carriage and performance requirements	—	—	IEC 60332-1-2:2004 incl. A1:2015.		
	—	SOLAS 74 Reg. II-2/7,	—	And/or: Fire Resistant Cables: IEC 60092-376:2017,		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 7,	—	IEC 60331-1:2018 or IEC 60331-2:2018.		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 7,	—	And, as applicable, electrical and electronic installations in ships:		
	—	IMO Res.MSC.98(73) (FSS Code) 9,	—	IEC 60092-504:2016, IEC 60533:2015,		
	—	IMO Res.MSC.391(95) (IGF	—	IEC 60332-1-2:2004		

	Code) 11, IMO MSC.1/ Circ.1242.	—	incl. A1:2015.		
MED/3.52 Non- portable and transportable fire extinguishers Row 1 of 2	Type approval requirements — SOLAS 74 Or: Reg. — II-2/10, — SOLAS— 74 Reg. Or: X/3. —	— — — — — — —	EN 1866- B2007 , EN 1866-2:2014. EN 1866-1:2007, EN 1866-3:2013. ISO 11601:2008.	B+D B+D B+F 2:2014.	1.7.2020 (III)
	Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7.				
MED/3.52 Non- portable and transportable fire extinguishers Row 2 of 2	Type approval requirements — SOLAS 74 Or: Reg. — II-2/10, — SOLAS— 74 Reg. Or: X/3. —	— — — — — — —	EN 1866- B2007 , EN 1866-2:2014. EN 1866-1:2007, EN 1866-3:2013. ISO 11601:2017.	B+D B+D B+F 2:2014.	13.9.2019

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	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7.</p>			
MED/3.53 Fire alarm devices – Sounders Row 1 of 3	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res.MSC.98(73)(FSS Code) 9.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC</p>	<p>— EN 54-3:2004 incl. A1:2002 and A2:2006, IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.</p>	<p>B+D B+E B+F</p>	<p>1.6.2019 (III)</p>

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		Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7, — IMO Res.MSC.98(73)- (FSS Code) 9. — IMO MSC.1/ Circ.1242.				
MED/3.53 Fire alarm devices – Sounders Row 2 of 3	Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)- (FSS Code) 9.	— EN 54-3: — IEC 60092-504:2016, — IEC 60533:2015.	B+D B+E B+F	16.3.2017	12.8.2023	
	Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IMO Res.MSC.36(63)- (1994 HSC Code) 7, — IMO Res.MSC.97(73)- (2000 HSC Code) 7,					

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	—	IMO Res.MSC.98(73)- (FSS Code) 9.			
	—	IMO MSC.1/ Circ.1242,			
	—	IMO MSC.1/ Circ.1487.			
MED/3.53 Fire alarm devices – Sounders Row 3 of 3 (NEW ROW)	Type approval requirements	—	EN 54-3: incl.	B+D 2B+E B+F	12.8.2020
	—	SOLAS 74 Reg. II-2/7,	—	A1:2019, IEC 60092-504:2016, IEC 60533:2015.	
	—	SOLAS 74 Reg. X/3,			
	—	IMO Res.MSC.98(73)- (FSS Code) 9.			
	Carriage and performance requirements				
	—	SOLAS 74 Reg. II-2/7,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 7,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 7,			
	—	IMO Res.MSC.98(73)- (FSS Code) 9.			

	—	IMO MSC.1/ Circ.1242,				
	—	IMO MSC.1/ Circ.1487.				
MED/3.54 Fixed oxygen analysis and gas detection equipment Row 1 of 4	Type approval requirements	—	IEC 60092-504 incl. B+F	B+D EN 501: 2001		1.6.2019 (III)
	—	SOLAS 74 Reg. II-2/4,	IEC 60092-504 Corr.1:2011, IEC 60533:1999.			
	—	SOLAS 74 Reg. VI/3.	And, as applicable, to: (a)	Category 4: (safe area),		
	Carriage and performance requirements			EN 50104:2010.		
	—	SOLAS 74 Reg. II-2/4,	(b)	Category 3: (explosive gas atmospheres),		
	—	SOLAS 74 Reg. VI/3,		EN 50104:2010,		
	—	IMO Res.MSC.98(73)- (FSS Code)		EN 60079-0:2012 incl. A11:2013,		
	—	15, for combined O ₂ / HC systems, additionally: additionally:		EN 60079-29-1:2007.		
	—	IMO MSC.1/ Circ.1370.	For combined O ₂ /HC systems, additionally: additionally: IMO MSC.1/ Circ.1370.			
MED/3.54 Fixed oxygen analysis and gas detection equipment Row 2 of 4	Type approval requirements	—	IEC 60092-504 incl. B+F	B+D EN 501: 2016,	16.3.2017	3.6.2020 (III)
	—	SOLAS 74Reg	IEC 60533:2015.			
	—	II-2/4, SOLAS 74	And as applicable to: (a)	Category 4:		

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	Reg. VI/3.	(safe area),	—	EN 50104:2010.		
	Carriage and performance requirements	(b)	Category 3: (explosive gas atmospheres),			
	— SOLAS 74		—	EN 50104:2010,		
	Reg. II-2/4, SOLAS 74		—	EN 60079-0:2012		
	Reg. VI/3, IMO Res.MSC.98(73)- (FSS Code)		—	incl. A11:2013, EN 60079-29-1:2007.		
	15, for combined O ₂ /HC systems, additionally:	For combined O ₂ /HC systems, additionally:	—	IMO MSC.1/Circ.1370.		
	IMO MSC.1/Circ.1370.					
MED/3.54 Fixed oxygen analysis and gas detection equipment Row 3 of 4	Type approval requirements	—	IEC 60092-501:2016,		19.6.2018	12.8.2023 (III)
	— SOLAS 74	—	IEC 60533:2015.			
	Reg. II-2/4, SOLAS 74	And as applicable to: Category 4: (safe area),	—	EN 50104:2010.		
	Reg. VI/3.					
	Carriage and performance requirements	(b)	Category 3: (explosive gas atmospheres),			
	— SOLAS 74		—	EN 50104:2010,		
	Reg. II-2/4, SOLAS 74		—	EN 60079-0:2012		
	Reg. VI/3, IMO Res.MSC.98(73)-		—	incl. A11:2013, EN 60079-29-1:2016.		

		(FSS Code) 15, for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370.	For combined O ₂ /HC systems, additionally: IMO MSC.1/Circ.1370.		
MED/3.54 Fixed oxygen analysis and gas detection equipment Row 4 of 4 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. II-2/4,(a) — SOLAS 74 Reg. VI/3. Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — SOLAS 74 Reg. VI/3, — IMO Res.MSC 98(73)- (FSS Code) 15, for combined O ₂ /HC systems additionally: — IMO MSC.1/Circ.1370.	— — (b)	IEC 60092-5-04:2016, IEC 60533:2015. And as applicable to: Category 4: (safe area), Category 3: (explosive gas atmospheres), For combined O ₂ /HC systems, additionally: IMO MSC.1/Circ.1370.	B+D B+F EN 50104:2010, EN 50104:2010, EN IEC 60079-0:2018, EN 60079-29-1:2016.	12.8.2020
MED/3.55 Dual purpose type nozzles	Type approval requirements	—	Hand-held branch	B+D B+E B+F	12.8.2023 (III)

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(spray/jet type) Row 1 of 2	—	SOLAS 74 Reg. II-2/10,	pipes for fire service use		
	—	SOLAS 74 Reg. X/3.	- Combination branch pipes PN 16: EN 15182-1:2007 incl. A1:2009,		
	Carriage and performance requirements				
	—	SOLAS 74 Reg. II-2/10,	EN 15182-1:2007 incl. A1:2009,		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 7,	EN 15182-2:2007 incl. A1:2009. Hand-held branch pipes for fire service use		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 7.	- Smooth bore jet and/or one fixed spray jet angle branch pipes PN 16: EN 15182-1:2007 incl. A1:2009,		
			EN 15182-3:2007 incl. A1:2009.		

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<p>Row 1 of 1</p>	<p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res.MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res.MSC.97(73)-(2000 HSC Code) 7.</p>				
<p>MED/3.57 Medium Expansion Foam Fire Extinguishing Systems components - Fixed Deck Foam for Tankers Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10.8.1,</p> <p>— IMO Res.MSC.98(73)-(FSS Code) 14,</p> <p>— IMO MSC/Circ.1239,</p> <p>— IMO MSC.1/Circ.1276.</p>	<p>— IMO MSC/Circ.788</p>	<p>B+D B+E B+F</p>		
<p>MED/3.58 Fixed Low Expansion</p>	<p>Type approval requirements</p>	<p>— IMO MSC/Circ.1</p>	<p>B+D B+E B+F</p>		

<p>Foam Fire Extinguishing Systems Components for Machinery Spaces and Tanker Deck Protection Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>— SOLAS-74 Reg. II-2/10. Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.98(73)-(FSS Code) 6, — IMO Res.MSC.98(73)-(FSS Code) 14, — IMO MSC/Circ.1239, — IMO MSC.1/Circ.1276.</p>	<p>— IMO MSC.1/Circ.1312/Corr.1.</p>			
<p>MED/3.59 Expansion Foam for Fixed Fire Extinguishing Systems for Chemical Tankers Row 1 of 1</p>	<p>Type approval requirements — SOLAS-74 Reg. II-2/1, — IMO Res.MSC.4(48)-(IBC Code) 11. Carriage and performance requirements — IMO Res.MSC.4(48)-(IBC Code) 11, — IMO MSC/Circ.553.</p>	<p>— IMO MSC.1/Circ.1312/Corr.1.</p>	<p>IMO B+D MSC B+E Circ.1 B+E IMO MSC.1/Circ.1312/Corr.1.</p>		

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MED/3.60 Nozzles for fixed pressure water- spraying fire- extinguishing systems for cabin balconies Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.98(73)- (FSS Code) 7.	—	IMO B+D MSC B+E Circ. 1313			
	Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.98(73)- (FSS Code) 7, — IMO MSC.1/ Circ.1313.					
MED/3.61a Inside air high expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and ro-ro spaces, special category spaces and cargo spaces Note: Inside/ Outside air high expansion foam systems for the protection of machinery	Type approval requirements — SOLAS 74 Reg. II-2/10.	—	IMO B+D MSC B+E Circ. 1528			
	Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.98(73)- (FSS Code) 6, — IMO MSC.1/ Circ.1528.					

<p>spaces, cargo pump rooms, vehicle and ro-ro spaces, special category spaces and cargo spaces shall be tested with the approved concentrate to the satisfaction of the Administration.</p> <p>Row 1 of 1</p>					
<p>MED/3.61b Outside air high expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and ro-ro spaces, special category spaces and cargo spaces Note: Inside/ Outside air high expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and ro-ro spaces, special category spaces and cargo spaces shall be tested with the approved</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/10.</p> <p>Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.98(73)-(FSS Code) 6, — IMO MSC.1/Circ.1528.</p>	<p>—</p>	<p>IMO B+D MSC B+E Circ.1528</p>		

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concentrate to the satisfaction of the Administration. Row 1 of 1					
MED/3.62 Dry chemical powder extinguishing systems Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/1. Carriage and performance requirements — SOLAS 74 Reg. II-2/1. — IMO Res.MSC.5(48)-(IGC Code) 11, — IMO Res.MSC.391(95)-(IGF Code) 11.	—	IMO MSC.1 Circ.1	B+D B+E B+F	
MED/3.63 Sample extraction smoke detection systems components Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 3	Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. II-2/19, — SOLAS 74 Reg. II-2/20. Carriage and performance requirements — SOLAS 74	— — —	IMO Res.MSC.108(73)-(FSS Code) 10. And for: — —	B+D BCE98(73)- B+F Control and indicating equipment. Electrical installations in ships: —	1.6.2019 (III)
				EN 54-2:1997 incl. AC:1999 and A1:2006.	

	—	Reg. II-2/7, SOLAS 74	—	Power supply equipment:		
	—	Reg. II-2/19, SOLAS 74		EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.		
	—	Reg. II-2/20, IMO Res.MSC.98(73) (FSS Code) 10.	—	Aspirating smoke detectors:		
			—	EN 54-20:2006 incl. AC:2008.		
			And, as applicable, electrical and electronic installations in ships:			
	—		—	IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.		
			And, as applicable for explosive atmospheres:			
	—		—	EN 60079-0:2012 incl. A11:2013.		
MED/3.63 Sample extraction smoke detection systems components Note: For products used as spare parts of existing installations the relevant	Type approval requirements	— SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. II-2/19, SOLAS 74	— — — — —	IMO B+D Res.MSC.98(73)-(FSS B+F Code) 10. And for: Control and indicating equipment. Electrical installations	19.6.2018	12.8.2023 (III)

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standards at the time of placing on board can still be applied. Row 2 of 3	Reg. II-2/20. Carriage and performance requirements	in ships: —	EN 54-2:1997 incl. AC:1999 and A1:2006.		
	— SOLAS 74 Reg. II-2/7, SOLAS 74	— Power supply equipment:	EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.		
	— Reg. II-2/19, SOLAS 74	—	EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.		
	— Reg. II-2/20, IMO Res.MSC.98(73) (FSS Code) 10.	— Aspiring smoke detectors:	EN 54-20:2006 incl. AC:2008.		
	—	And, as applicable, electrical and electronic installations in ships:	IEC 60092-504:2016, IEC 60533:2015.		
	—	And, as applicable for explosive atmospheres:	EN 60079-0:2012 incl. A11:2013.		
MED/3.63 Sample extraction smoke detection systems components Note: For products used	Type approval requirements — SOLAS 74 Reg. II-2/7, SOLAS 74	— And for: Control and indicating	IMO B+D Res.MSC.98(73)-(FSS B+F Code) 10.	12.8.2020	

as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 3 (NEW ROW)	<p>— Reg. II-2/19, SOLAS 74</p> <p>— Carriage and performance requirements SOLAS 74</p> <p>— Reg. II-2/7, SOLAS 74</p> <p>— Reg. II-2/19, SOLAS 74</p> <p>— Reg. II-2/20, IMO Res.MSC.98(73) (FSS Code) 10.</p>	<p>equipment.</p> <p>Electrical installations in ships:</p> <p>— EN 54-2:1997 incl. AC:1999 and A1:2006.</p> <p>Power supply equipment:</p> <p>— EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.</p> <p>Aspiring smoke detectors:</p> <p>— EN 54-20:2006 incl. AC:2008.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>And, as applicable for explosive atmospheres:</p> <p>— EN IEC 60079-0:2018.</p>			
MED/3.64 C class divisions Row 1 of 1	<p>— Type approval requirements SOLAS 74</p> <p>— Reg. II-2/3.10.</p>	<p>—</p>	<p>IMO B+D</p>	<p>Res.MSC.307(88)-(2010 B+F FTP Code), as amended.</p>	

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	Carriage and performance requirements	—	SOLAS 74 Reg. II-2/3.10,			
		—	SOLAS 74 Reg. II-2/3.33,			
		—	SOLAS 74 Reg. II-2/9,			
		—	IMO MSC/ Circ.1120.			
MED/3.65 Fixed hydrocarbon gas detection system Row 1 of 4	Type approval requirements	—	IMO B+D MSC B+E Circ.1707			1.6.2019 (III)
		—	SOLAS 74 Reg. II-2/4.	EN 60079-0:2012 incl. A11:2013, EN 60079-29-1:2007, IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, IEC 60533:1999.		
	Carriage and performance requirements	—	IMO Res.MSC.98(73) (FSS Code) 16,			
		—	IMO MSC.1/ Circ.1370.			
MED/3.65 Fixed hydrocarbon gas detection system Row 2 of 4	Type approval requirements	—	IMO B+D MSC B+E Circ.1707	16.3.2017		21.7.2019 (III)
		—	SOLAS 74 Reg. II-2/4.			
	Carriage and performance requirements	—	EN 60079-29-1:2007, IEC 60092-504:2016,			

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	—	IMO Res.MSC.98(73)-(FSS Code) 16,				
	—	IMO MSC.1/Circ.1370,				
	—	IMO MSC.1/Circ.1527.				
MED/3.66 Evacuation guidance systems used as an alternative to low-location lighting systems Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/13. Carriage and performance requirements — SOLAS 74 Reg. II-2/13, — IMO MSC.1/Circ.1168.	—	IMO MSC.1/Circ.1168.	B+D B+E B+F		
MED/3.67 Helicopter facility foam fire-fighting appliances Row 1 of 2	Type approval requirements — SOLAS 74 Reg. II-2/18. Carriage and performance requirements — SOLAS 74 Reg. II-2/18, — IMO MSC.1/Circ.1431.	—	EN 13565-1 incl. A1:2007.	B+D B+E B+F	16.3.2017	12.8.2023 (II)
MED/3.67 Helicopter facility foam fire-fighting appliances	Type approval requirements — SOLAS 74	—	EN 13565-1	B+D B+E B+F	12.8.2020	

Row 2 of 2 (NEW ROW)	Reg. II-2/18.				
	Carriage and performance requirements — SOLAS 74 Reg. II-2/18, — IMO Res.MSC.98(73)-(FSS Code) 17.				
MED/3.68 Galley Exhaust Duct Fixed Fire Extinguishing Systems components Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 2	Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9.	—	ISO 15371	B+D B+D B+F	30.4.2018 (III)
MED/3.68 Galley Exhaust Duct Fixed Fire Extinguishing Systems components Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.	Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9.	—	ISO 15371	B+D B+D B+F	16.3.2017

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Row 2 of 2					
MED/3.69 Mobile water monitor for ships constructed on or after 1 January 2016 designed to carry five or more tiers of containers on or above the weather deck Row 1 of 2	Type approval requirements — SOLAS 74 Reg.II-2/10. Carriage and performance requirements — SOLAS 74 Reg.II-2/10, SOLAS 74 Reg.II-2/19, IMO MSC.1/ Circ.1472, — IMO MSC.1/ Circ.1550.	—	IMO MSC Circ.1472	B+D B+E B7E	
MED/3.69 Mobile water monitor for ships constructed on or after 1 January 2016 designed to carry five or more tiers of containers on or above the weather deck Row 2 of 2	Type approval requirements — SOLAS 74 Reg.II-2/10. Carriage and performance requirements — SOLAS 74 Reg.II-2/10, SOLAS 74 Reg.II-2/19, IMO Res.MSC.98(73)- (FSS Code) 12, — IMO MSC.1/ Circ.1472, — IMO MSC.1/ Circ.1550.	—	IMO MSC Circ.1472	B+D B+E B7E	

MED/3.70 Fire-fighting hoses (Semi-rigid hoses for fixed systems) Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3.	—	EN	694:2014 B+D B+E B+F		
	Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.36(63)-(1994 HSC Code) 7, — IMO Res.MSC.97(73)-(2000 HSC Code) 7.					
MED/3.71 Fixed firefighting hose systems — Hose systems with lay-flat hose Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3.	—	EN	671:2012 B+D B+E B+F	16.3.2017	
	Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res.MSC.36(63)-(1994					

		—	EN IEC 62923-1:2018,		
		—	EN IEC 62923-2:2018.		
		Or:			
		—	IEC 61162 series:		
			IEC 61162-1:2016		
			IEC 61162-2 Ed.1.0:1998-09		
			IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07		
			IEC 61162-450:2018,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
			End of Note on IMO Res.MSC.302(87)		
MED/4.1 Magnetic compass Class A for ships Note: IMO Res.MSC.302(87) only applies when the equipment can raise and electronically send (an) alert(s) to a third piece of equipment.	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, Carriage and performance requirements — SOLAS 74	— — Or: — —	ISO B+D 1069:1973, ISO B+F 25862:2019, EN 60945:2002 incl. IEC 60945 Corr. 1:2008. ISO 1069:1973, ISO 25862:2019,		12.8.2020

Row 3 of 3 (NEW ROW)	—	Reg. V/19, IMO Res.A.382(X), IMO Res.A.694(17), Corr. IMO Res.MSC.36(61)- (1994 where IMO HSC Code) 13, IMO Res.MSC.302(87).	—	IEC 60945:2002 incl. IEC 60945 1:2008.	
	—	Res.MSC.302(87): Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13, IMO Res.MSC.302(87).	—	EN 61162 series:	
	—		—	EN 61162-1:2016	
	—		—	EN 61162-2:1998	
	—		—	EN 61162-3:2008	
	—		—	+A1:2010+A2:2014	
	—		—	EN 61162-450:2018,	
	—		—	EN IEC 62923-1:2018,	
	—		—	EN IEC 62923-2:2018.	
	—	Or:	—	IEC 61162 series:	
				IEC 61162-1:2016	
				IEC 61162-2 Ed.1.0:1998-09	
				IEC 61162-3 Ed.1.2	
				Consol. with A1 Ed. 1.0:2010-11	
				and A2 Ed. 1.0:2014-07	
				IEC 61162-450:2018,	

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		— IEC 62923-1:2018, — IEC 62923-2:2018. End of Note on IMO Res.MSC.302(87)			
MED/4.2 Transmitting heading device THD (magnetic method) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. V/19, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)- (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.694(17), — IMO Res.MSC.36(63)- (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000	— ISO B+D 22090-1:2014, — EN B+F 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011 +A1:2016, EN 62288:2014. — ISO 22090-2:2014, — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2		19.6.2018	29.8.2021 (I)

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	—	IMO Res.A.694(17), 60945:2002	—	IEC incl. IEC 60945		
	—	HSC Code) 13,	—	IEC 1:2008,		
	—	IMO Res.MSC.97(73) (2000	—	IEC series: 61162-1:2016		
	—	HSC Code) 13,	—	IEC 61162-2 Ed.1.0:1998-09		
	—	IMO Res.MSC.116(73),	—	IEC 61162-3		
	—	IMO Res.MSC.191(79),	—	Ed.1.2		
	—	IMO Res.MSC.302(87).	—	Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
	—		—	IEC 62288 Ed. 2.0:2014-07,		
	—		—	IEC 62923-1:2018,		
	—		—	IEC 62923-2:2018.		
MED/4.3 Gyro compass Row 1 of 2	Type approval requirements	— SOLAS 74 Reg. V/18.	—	ISO B+D 8728:2014, EN B+F 60945:2002	19.6.2018	29.8.2021 (I)
	Carriage and performance requirements	— SOLAS 74 Reg. V/19,	—	IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016		

Status: This is the original version (as it was originally adopted).

	—	IMO Res.A.424(XI),	EN 61162-2:1998		
	—	IMO Res.A.694(17),	EN 61162-3:2008		
	—	IMO Res.MSC.191(79),	+A1:2010+A2:2014		
	—	IMO Res.MSC.302(87)	EN 61162-450:2011+A1:2016,		
		Or:	62288:2014.		
	—	ISO 8728:2014,			
	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,			
	—	IEC 61162 series:			
			IEC 61162-1:2016		
			IEC 61162-2 Ed.1.0:1998-09		
			IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07		
			IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
	—	IEC 62288 Ed. 2.0:2014-07.			
MED/4.3 Gyro compass Row 2 of 2	Type approval requirements	— ISO 8728:2014, — EN 60945:2002	B+D B+E, B+F	13.9.2019	

Status: This is the original version (as it was originally adopted).

—	SOLAS 74 Reg. V/18.	incl. IEC 60945 Corr. 1:2008, EN 61162 series:	
	Carriage and performance requirements		
—	SOLAS 74 Reg. V/19,	EN 61162-1:2016 EN 61162-2:1998	
—	IMO Res.A.424(XI),	EN 61162-3:2008	
—	IMO Res.A.694(17),	+A1:2010+A2:2014	
—	IMO Res.MSC.191(79),	EN IEC 61162-450:2018,	
—	IMO Res.MSC.302(87)	EN 62288:2014,	
—		EN IEC 62923-1:2018,	
—		EN IEC 62923-2:2018.	
	Or:		
—		ISO 8728:2014,	
—		IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,	
—		IEC 61162 series:	
		IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11	

Status: This is the original version (as it was originally adopted).

				and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
		—	IEC 62288 Ed. 2.0:2014-07,			
		—	IEC 62923-1:2018,			
		—	IEC 62923-2:2018.			
MED/4.4, Radar equipment – item moved to MED/4.34, MED/4.35 and MED/4.36.						
MED/4.5, Automatic radar plotting aid (ARPA) – item moved to MED/4.34.						
MED/4.6 Echo-sounding equipment Row 1 of 2	Type approval requirements	—	EN ISO 9875:2000 incl. G ISO Technical Corr. 1:2006, EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+E	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—				
	Carriage and performance requirements			EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,		
	— SOLAS 74 Reg. V/19, IMO Res.A.224(VII) IMO Res.A.694(17),	—	EN 62288:2014. Or: ISO 9875:2000 incl. ISO Technical			

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.36(63):2006, (1994 HSC Code) 13,	Corr. IEC 60945:2002 incl. IEC 60945		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 13,	Corr. IEC 61162 series:		
	—	IMO Res.MSC.191(79),	IEC 61162-1:2016		
	—	IMO Res.MSC.74(69) Annex 4,	IEC 61162-2 Ed.1.0:1998-09		
	—	IMO Res.MSC.302(87).	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
	—		IEC 62288 Ed. 2.0:2014-07.		
MED/4.6 Echo-sounding equipment Row 2 of 2	Type approval requirements	—	EN ISO 9875:2007 incl. ISO Technical Corr. 1:2006, EN 60945:2002 incl. IEC 60945	B+D B+E G	13.9.2019
	—	SOLAS 74 Reg. V/18,			
	—	SOLAS 74 Reg. X/3,			
	—	IMO Res.MSC.36(63) (1994			

	HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13.	Corr. 1:2008, EN 61162 series:	
—	Carriage and performance requirements		EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014
—	SOLAS 74 Reg. V/19, IMO Res.A.224(VII) IMO Res.A.694(17), IMO Res.MSC.36(63) (1994 Or: HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13, IMO Res.MSC.191(79) IMO Res.MSC.74(69) Annex 4, IMO Res.MSC.302(87)	EN 62288:2014, EN IEC 62923-1:2018, EN IEC 62923-2:2018. Or: ISO 9875:2000 incl. ISO Technical Corr. 1:2006, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series:	EN 61162-450:2018, IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed.

Status: This is the original version (as it was originally adopted).

				1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 62288 Ed. 2.0:2014-07, IEC 62923-1:2018, IEC 62923-2:2018.		
MED/4.7 Speed and distance measuring equipment (SDME) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)- (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13. Or: Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.694(17), — IMO Res.A.824(19), — IMO Res.MSC.36(63)- (1994	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61023:2007, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, EN 62288:2014. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61023:2007, IEC 61162 series:	B+D B+E2 B+F G	19.6.2018	29.8.2021 (I)

		<p>HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.302(87).</p>		<p>IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016, IEC 62288 Ed. 2.0:2014-07.</p>	
MED/4.7 Speed and distance measuring equipment (SDME) Row 2 of 2	Type approval requirements	<p>— SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13.</p>	<p>EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61023:2007, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, EN 62288:2014,</p>	<p>B+D B+B2 B+F G</p>	<p>13.9.2019</p>
	Carriage and performance requirements				

Status: This is the original version (as it was originally adopted).

—	SOLAS- 74 Reg. V/19, —	EN IEC 62923-1:2018, EN			
—	IMO Res.A.694(17),	IEC 62923-2:2018.			
—	IMO Or: Res.A.824(19),	IEC			
—	IMO Res.MSC.36(63)incl. (1994 HSC Code) 13,	60945:2002 IEC 60945 Corr. 1:2008,			
—	IMO — Res.MSC.97(73) (2000 — HSC Code) 13,	IEC 61023:2007, IEC 61162 series: IEC 61162-1:2016			
—	IMO Res.MSC.191(79),	IEC 61162-2			
—	IMO Res.MSC.302(87).	Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,			
—		IEC 62288 Ed. 2.0:2014-07,			
—		IEC 62923-1:2018,			
—		IEC 62923-2:2018.			

MED/4.8, Rudder angle, rpm, pitch indicator – item moved to MED/4.20, MED/4.21 and MED/4.22.

MED/4.9 Rate-of-turn indicator Row 1 of 2	Type approval requirements	—	EN 60945 incl. IEC	B+D B+F G	19.6.2018	29.8.2021 (I)
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—	SOLAS 74 Reg. V/18,	60945 Corr. 1:2008, EN	
—	SOLAS 74	61162 series:	
—	Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13.	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,	
	Carriage and performance requirements	Or: EN 62288:2014.	
—	SOLAS 74 Reg. V/19, IMO Res.A.526(13), IMO Res.A.694(17), IMO Res.MSC.36(63)- (1994 HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.302(87).	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450	

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				Ed.1.0:2011-06 with A1:2016,	
		—	ISO 20672:2007 incl. Corr 1.:2008,		
		—	IEC 62288 Ed. 2.0:2014-07.		
MED/4.9 Rate-of-turn indicator Row 2 of 2	Type approval requirements	—	EN 60945:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+F G	13.9.2019
	— SOLAS 74 Reg. V/18,	—	EN 61162 series:		
	— SOLAS 74 Reg. X/3,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+		A2:2014
	— IMO Res.MSC.36(63)- (1994 HSC Code) 13,	—	EN 61162-450:2018,		
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	ISO 20672:2007 incl. Corr. 1:2008,		
	Carriage and performance requirements	—	EN 62288:2014,		
	— SOLAS 74 Reg. V/19,	—	EN 62923-1:2018,		
	— IMO Res.A.526(13),	—	EN 62923-2:2018.		
	— IMO Res.A.694(17),	Or	IEC 60945:2002		
	— IMO Res.MSC.36(63)- (1994 HSC Code) 13,	—	incl. IEC 60945		

—	IMO Res.MSC.97(73):2008, (2000 HSC Code) 13,	Corr. IEC 61162 series:		
—	IMO Res.MSC.191(79),		IEC 61162-1:2016	
—	IMO Res.MSC.302(87).		IEC 61162-2 Ed.1.0:1998-09	
			IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
			IEC 61162-450:2018,	
		ISO 20672:2007 incl Corr 1:2008,		
		IEC 62288 Ed. 2.0:2014-07,		
		IEC 62923-1:2018,		
		IEC 62923-2:2018.		

Item MED/4.10, Direction finder, - Item deliberately left blank.

Item MED/4.11, Loran equipment, – Item deliberately left blank.

Item MED/4.12, Chaika equipment, – Item deliberately left blank.

Item MED/4.13, Decca navigator equipment, - Item deliberately left blank.

MED/4.14 GPS equipment Row 1 of 2	Type approval requirements	—	EN 60945:2002 incl. B+F	B+D	19.6.2018	29.8.2021 (I)
	SOLAS 74 Reg. V/18,	—	IEC 60945 Corr. 1:2008,	G		
	SOLAS 74	—	EN 61108-1:2003,			

Status: This is the original version (as it was originally adopted).

—	Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13.	—	EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,
—	Carriage and performance requirements SOLAS 74 Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13, IMO Res.MSC.112(73), IMO Res.MSC.191(79), IMO Res.MSC.302(87).	Or: IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-1 Ed. 2:2003, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
—		—	IEC 62288

			Ed. 2.0:2014-07.		
MED/4.14 GPS equipment Row 2 of 2	Type approval requirements	—	EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61108-1:2003, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2018,	B+D B+F G	13.9.2019
	— SOLAS 74 Reg. V/18,	—	EN 62288:2014, EN IEC 62923-1:2018, EN IEC 62923-2:2018.		
	— SOLAS 74 Reg. X/3,	—	Or: IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-1 Ed. 2.0:2003, IEC 61162 series: IEC 61162-1:2016		
	— IMO Res.MSC.36(63)-(1994 HSC Code) 13,	—			
	— IMO Res.MSC.97(73)-(2000 HSC Code) 13.	—			
	Carriage and performance requirements	—			
	— SOLAS 74 Reg. V/19,	—			
	— IMO Res.A.694(17),	—			
	— IMO Res.MSC.36(63)-(1994 HSC Code) 13,	—			
	— IMO Res.MSC.97(73)-(2000 HSC Code) 13,	—			
	— IMO Res.MSC.112(73),	—			
	— IMO Res.MSC.191(79),	—			
	— IMO Res.MSC.302(87).	—			

	—	SOLAS 74 Reg. V/19, IMO — Res.A.694(17), IMO Res.MSC.36(63)-0:1998, (1994 — HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13, IMO Res.MSC.113(73), IMO Res.MSC.191(79), IMO Res.MSC.302(87).	IEC 60945 Corr. 1:2008, IEC 61108-2 Ed. IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016, IEC 62288 Ed. 2.0:2014-07.		
MED/4.15 GLONASS equipment Row 2 of 2	Type approval requirements — — — — —	— SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61108-2:1998, EN 61162 series: EN 61162-1:2016	B+D B+F G	13.9.2019

Status: This is the original version (as it was originally adopted).

	Code)		EN	
—	13,		61162-2:1998	
	IMO		EN	
	Res.MSC.97(73)-		61162-3:2008	
	(2000		+A1:2010+A2:2014	
	HSC		EN	
	Code)		IEC	
	13.		61162-450:2018,	
	Carriage and	—	EN	
	performance		62288:2014,	
	requirements	—	EN	
	SOLAS		IEC	
—	74		62923-1:2018,	
	Reg.	—	EN	
	V/19,		IEC	
	IMO		62923-2:2018.	
	Res.A.694(17),	Or	IEC	
—	IMO		60945:2002	
	Res.MSC.36(63)-		incl.	
	(1994		IEC	
	HSC		60945	
	Code)		Corr.	
	13,		1:2008,	
—	IMO		IEC	
	Res.MSC.97(73)		61108-2	
	(2000		Ed.	
	HSC		1.0:1998,	
	Code)	—	IEC	
	13,		61162	
—	IMO		series:	
	Res.MSC.113(73),		IEC	
—	IMO		61162-1:2016	
	Res.MSC.191(79),		IEC	
—	IMO		61162-2	
	Res.MSC.302(87).		Ed.1.0:1998-09	
			IEC	
			61162-3	
			Ed.1.2	
			Consol.	
			with	
			A1	
			Ed.	
			1.0:2010-11	
			and	
			A2	
			Ed.	
			1.0:2014-07	
			IEC	
			61162-450:2018,	
		—	IEC	
			62288	

		—	Ed. 2.0:2014-07, IEC 62923-1:2018, — IEC 62923-2:2018.		
MED/4.16 Heading control system (HCS) Row 1 of 3	Type approval requirements	— — SOLAS 74 Reg. V/18.	ISO B+D 11674:2006, EN B+F 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	19.6.2018	29.8.2021 (I)
	Carriage and performance requirements	— — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. V/19, — IMO Res.A.342(IX), — IMO Res.A.694(17), — IMO Res.MSC.191(79), — IMO Res.MSC.64(67), Annex 3, — IMO Res.MSC.302(87)	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, EN 62288:2014. Or ISO 11674:2006, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with		

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		—	IEC 60945 Corr. 1:2008, IEC 61162 series:	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.16 Heading control system (HCS) Row 3 of 3 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. V/18.	— — —	ISO B+D 11674:2009, EN B+F 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	EN 61162-1:2016 EN 61162-2:1998	12.8.2020
	Carriage and performance requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. V/19,	— — —			

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—	IMO	EN	
	Res.A.342(IX),	61162-3:2008	
—	IMO	+A1:2010+A2:2014	
	Res.A.694(17),	EN	
—	IMO	IEC	
	Res.MSC.191(79),	61162-450:2018,	
—	IMO —	EN	
	Res.MSC.64(67)2288:2014,		
	Annex —	EN	
	3,	IEC	
—	IMO	62923-1:2018,	
	Res.MSC.302(87)	EN	
		IEC	
		62923-2:2018.	
	Or:		
—		ISO	
		11674:2019,	
—		IEC	
		60945:2002	
		incl.	
		IEC	
		60945	
		Corr.	
		1:2008,	
—		IEC	
		61162	
		series:	
		IEC	
		61162-1:2016	
		IEC	
		61162-2	
		Ed.1.0:1998-09	
		IEC	
		61162-3	
		Ed.1.2	
		Consol.	
		with	
		A1	
		Ed.	
		1.0:2010-11	
		and	
		A2	
		Ed.	
		1.0:2014-07	
		IEC	
		61162-450:2018,	
—		IEC	
		62288	
		Ed.	
		2.0:2014-07,	
—		IEC	
		62923-1:2018,	

		—	IEC 62923-2:2018.		
Item MED/4.17, Mechanical pilot hoist, - moved to MED/1.40.					
MED/4.18 Search and rescue locating devices (SRLD): 9 GHz SAR transponder (SART) Row 1 of 1	Type approval requirements	—	EN 60945:2002 incl. B+D B+F G		
	— SOLAS 74 Reg. III/4,	—	IEC 60945 Corr. 1:2008, EN 61097-1:2007.		
	— SOLAS 74 Reg. Or: IV/14,	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	— SOLAS 74 Reg. V/18,	—	IEC 60945 Corr. 1:2008, IEC 61097-1: 2007.		
	— SOLAS 74 Reg. — X/3,	—	IEC 61097-1: 2007.		
	— IMO Res.MSC.36(63)- (1994 HSC Code) 13,	—			
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—			
	Carriage and performance requirements				
	— SOLAS 74 Reg. III/6,				
	— SOLAS 74 Reg. IV/7,				
	— SOLAS 74 Reg. III/26,				
	— IMO Res.A.530(13),				

Status: This is the original version (as it was originally adopted).

—	IMO Res.A.802(19),				
—	IMO Res.A.694(17),				
—	IMO Res.MSC.36(63)- (1994 HSC Code) 8,				
—	IMO Res.MSC.36(63)- (1994 HSC Code) 14,				
—	IMO Res.MSC.97(73)- (2000 HSC Code) 8,				
—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,				
—	ITU- R M.628-5 (03/2012).				

Item MED/4.19, Radar equipment for high speed craft, - moved to MED /4.37.

MED/4.20 Rudder angle indicator Row 1 of 2	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B0B2 B+F G EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,	19.6.2018	29.8.2021 (I)
	—	SOLAS 74 Reg. V/18,				
	—	SOLAS- 74 Reg. X/3,				
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 13,				
	—	IMO Res.MSC.97(73)-				

	(2000 HSC Code) 13.	—	EN 62288:2014, ISO 20673:2007.		
	Carriage and performance requirements	Or:	IEC 60945:2002		
	— SOLAS 74 Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.302(87).	—	incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
		—	IEC 62288 Ed. 2.0:2014-07, ISO 20673:2007.		
MED/4.20 Rudder angle indicator Row 2 of 2	Type approval requirements	—	EN 60945:2002	B+D B+F G	13.9.2019
	— SOLAS 74 Reg. V/18, SOLAS 74	—	incl. IEC 60945 Corr. 1:2008,		

Status: This is the original version (as it was originally adopted).

	Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13.	—	EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	
Carriage and performance requirements	SOLAS 74 Reg. V/19, IMO Res.A.694(17), Or: IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.302(87).	—	EN 62288:2014, EN IEC 62923-1:2018, EN IEC 62923-2:2018, ISO 20673:2007. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	

		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018,		
		—	ISO 20673:2007.		
MED/4.21 Propeller revolution indicator Row 1 of 2	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008,	B+D B0B2 B+F G	19.6.2018
	— SOLAS 74 Reg. V/18,	—	EN 61162 series:		29.8.2021 (I)
	— SOLAS 74 Reg. X/3,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014		
	— IMO Res.MSC.36(63)- (1994 HSC Code) 13,	—	EN 61162-450:2011+A1:2016,		
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 62288:2014, ISO 22554:2015.		
	Or:	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	— SOLAS 74 Reg. V/19,	—	IEC 61162 series:		
	— IMO Res.A.694(17),	—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09		
	— IMO Res.MSC.36(63)- (1994 HSC Code) 13,	—	IEC 61162-3 Ed.1.2		
	— IMO Res.MSC.97(73)- (2000 HSC	—			

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 13,	—	IEC 61162 series: IEC 61162-1:2016		
	—	IMO Res.MSC.191(79),	—	IEC 61162-2 Ed.1.0:1998-09		
	—	IMO Res.MSC.302(87).	—	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
	—		—	IEC 62288 Ed. 2.0:2014-07,		
	—		—	IEC 62923-1:2018,		
	—		—	IEC 62923-2:2018,		
	—		—	ISO 22554:2015.		
MED/4.22 Pitch indicator Row 1 of 2	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008,	B+D B+F G	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. V/18,	—	EN 61162 series:	EN 61162-1:2016		
	— SOLAS 74 Reg. X/3,	—				
	— IMO Res.MSC.36(63)-	—				

Status: This is the original version (as it was originally adopted).

—	(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13.	EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,
—	Carriage and performance requirements Or: SOLAS 74 Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63)- (1994 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.302(87).	EN 62288:2014, ISO 22555:2007. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,
—	—	ISO 22555:2007, IEC 62288 Ed. 2.0:2014-07.

Status: This is the original version (as it was originally adopted).

MED/4.22 Pitch indicator Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)- (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13.	— EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, EN 62288:2014, EN IEC 62923-1:2018, EN IEC 62923-2:2018, ISO 22555:2007. Or: — IMO Res.A.694(17), — IMO Res.MSC.36(63) (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13, — IMO Res.MSC.191(79), — IMO Res.MSC.302(87).	B+D B+F G EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, EN 62288:2014, EN IEC 62923-1:2018, EN IEC 62923-2:2018, ISO 22555:2007. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed.	13.9.2019	
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Status: This is the original version (as it was originally adopted).

				1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018,		
		—	ISO 22555:2007.		
MED/4.23 Magnetic compass Class B for lifeboats and rescue boats Row 1 of 2	Type approval requirements	—	ISO 10691-1:2017,	B+D	12.8.2023 (II)
	— SOLAS 74 Reg. III/4,	—	ISO 25862:2009,	B+F	
	— SOLAS 74 Reg. X/3,	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.		
	— IMO Res.MSC.36(63)- (1994 HSC Code) 13,				
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.				
	Carriage and performance requirements	—	SOLAS 74 Reg. III/34,		
	—	—	IMO Res.MSC.48(66)- (LSA Code) IV,		

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.48(66)- (LSA Code) V,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 8,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 13,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 8,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.			
MED/4.23 Magnetic compass Class B for lifeboats and rescue boats Row 2 of 2 (NEW ROW)	Type approval requirements	—	ISO 1069: B+E , ISO 25862:2019, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E , B+F	12.8.2020
	—	SOLAS 74 Reg. III/4,			
	—	SOLAS 74 Reg. X/3,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 13,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.			

Status: This is the original version (as it was originally adopted).

Carriage and performance requirements				
— SOLAS 74 Reg. III/34,				
— IMO Res.MSC.48(66)-(LSA Code)				
— IMO Res.MSC.48(66)-(LSA Code)				
— IMO Res.MSC.36(63)-(1994 HSC Code)				
— IMO Res.MSC.36(63)-(1994 HSC Code)				
— IMO Res.MSC.97(73)-(2000 HSC Code)				
— IMO Res.MSC.97(73)-(2000 HSC Code)				
13.				

Item MED/4.24, Automatic radar plotting aid (ARPA) for high speed craft, - moved to MED/4.37.

Item MED/4.25, Automatic tracking aid (ATA), - moved to MED/4.35.

Item MED/4.26, Automatic tracking aid (ATA) for high speed craft, - moved to MED/4.38.

Item MED/4.27, Electronic plotting aid, - moved to MED/4.36.

Item MED/4.28, Integrated bridge system, - moved to MED/4.30.

Status: This is the original version (as it was originally adopted).

MED/4.29 Voyage data recorder (VDR) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)-(1994 HSC Code) 13, — IMO Res.MSC.97(73)-(2000 HSC Code) 13.	— EN 60945-1:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, EN 61996-1:2013 incl. IEC 61996-1 Corr. 1:2014, EN 62288:2014. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and	B+D B+F G EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, EN 61996-1:2013 incl. IEC 61996-1 Corr. 1:2014, EN 62288:2014. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and	19.6.2018	29.8.2021 (I)
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Status: This is the original version (as it was originally adopted).

				A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
		—	IEC 61996-1 Ed. 2.0:2013-05 incl. IEC 61996-1 Corr.1:2014,		
		—	IEC 62288 Ed. 2.0:2014-07.		
MED/4.29 Voyage data recorder (VDR) Row 2 of 2	Type approval requirements	—	EN 60945-2002 incl. IEC 60945 Corr. 1:2008,	B+D B+F G	13.9.2019
	— SOLAS 74 Reg. V/18,	—	EN 61162 series:	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+	A2:2014
	— SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 13,	—	EN 61162 series:	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+	A2:2014
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61996-1:2013 incl. IEC 61996-1 Corr. 1:2014,	EN IEC 61162-450:2018,	
	Carriage and performance requirements	—	EN 62288:2014,		
	— SOLAS 74 Reg. V/20,	—	EN IEC 62923-1:2018,		
	— IMO Res.A.694(17),	—	EN IEC 62923-1:2018,		

Status: This is the original version (as it was originally adopted).

—	IMO — EN Res.MSC.36(63)IEC (1994 62923-2:2018. HSC Or: Code) — IEC 13, 60945:2002		
—	IMO incl. Res.MSC.97(73)IEC (2000 60945 HSC Corr. Code) 1:2008, 13, — IEC		
—	IMO 61162 Res.MSC.191(79)series:		
—	IMO IEC Res.MSC.302(87), 61162-1:2016		
—	IMO IEC Res.MSC.333(90). 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
—	IEC 61996-1 Ed. 2.0: 2013-05 incl. IEC 61996-1 Corr. 1:2014,		
—	IEC 62288 Ed. 2.0:2014-07,		
—	IEC 62923-1:2018,		
—	IEC 62923-2:2018.		

Status: This is the original version (as it was originally adopted).

MED/4.30 Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. V/27, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)- (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 Or: HSC Code) 13.	— EN 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — EN 61174:2015, — EN 62288:2014. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450	B+D B+F G	19.6.2018	29.8.2021 (I)
Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.694(17), — IMO Res.MSC.36(63)- (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13, — IMO Res.MSC.191(79), — IMO Res.MSC.232(82),	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450	B+D B+F G	19.6.2018	29.8.2021 (I)	

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.302(87),		Ed.1.0:2011-06 with A1:2016,	
	—	IMO MSC.477(Circ.1503 Rev.1)	IEC 61174 Ed. 4.0:2015,		
	[ECDIS back-up and RCDS are only applicable when this functionality is included in the ECDIS. The module B certificate shall indicate whether these options were tested].	—	IEC 62288 Ed. 2.0:2014-07.		
MED/4.30 Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS) Row 2 of 2	Type approval requirements	—	EN 60945-1:2008, EN 60945-2:2008, EN 61162 series:	B+D B+F G	13.9.2018
	—	SOLAS 74 Reg. V/18,	IEC 60945 Corr. 1:2008,		
	—	SOLAS 74 Reg. V/27,	EN 61162		
	—	SOLAS 74 Reg. X/3,	EN 61162-1:2016		
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 13,	EN 61162-2:1998		
	—	IMO Res.MSC.97(73)(2000 HSC Code) 13.	EN 61162-3:2008 +A1:2010+A2:2014		
	Carriage and performance requirements	—	EN 61174:2015,		
	—	SOLAS 74	EN 62288:2014,		
			EN 62923-1:2018,		
			EN 62923-2:2018.		

Status: This is the original version (as it was originally adopted).

		Reg. — IEC V/19, 60945:2002 — IMO incl. Res.A.694(17), IEC — IMO 60945 Res.MSC.36(63)Corr. (1994 1:2008, HSC — IEC Code) 61162 13, series: — IMO IEC Res.MSC.97(73)- 61162-1:2016 (2000 IEC HSC 61162-2 Code) Ed.1.0:1998-09 13, IEC — IMO 61162-3 Res.MSC.191(79), Ed.1.2 — IMO Consol. Res.MSC.232(82), with — IMO A1 Res.MSC.302(87), Ed. — IMO 1.0:2010-11 MSC.1/ and Circ.1503. A2 Rev.1. Ed. [ECDIS back- 1.0:2014-07 up and RCDS IEC are only 61162-450:2018, applicable — IEC when this 61174 functionality Ed. is included in 4.0: the ECDIS. 2015, The module — IEC B certificate 62288 shall indicate Ed. whether these 2.0:2014-07, options were — IEC tested]. 62923-1:2018, — IEC 62923-2:2018.			
MED/4.31 Gyro compass for high-speed craft Row 1 of 2	Type approval requirements — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63) (1994	— ISO B+D 16328:2014, — EN B+F 60945:2002 incl. IEC 60945 Corr. Res.MSC.36(63):2008, (1994		19.6.2018	29.8.2021 (I)

	HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61162 series:	
—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.			EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,
	Carriage and performance requirements			
—	IMO Res.A.694(17), Or:	—	EN 62288:2014.	
—	IMO Res.A.821(19),		ISO 16328:2014,	
—	IMO Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.302(87), IMO MSC.1/ Circ.1349.	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
—		—	IEC 62288 Ed. 2.0:2014-07.	

Status: This is the original version (as it was originally adopted).

MED/4.31 Gyro compass for high-speed craft Row 2 of 2	Type approval requirements — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63):2008, (1994 — HSC Code) 13, — IMO Res.MSC.97(73)- (2000 — HSC Code) 13.	— ISO 16328:2014, — EN 60945:2002 incl. IEC 60945 Corr. EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	B+D B+E4, B+F C2002	13.9.2018	
	Carriage and performance requirements — IMO Res.A.694(17), — IMO Res.A.821(19), — IMO Res.MSC.36(63) (1994 — HSC Code) Or: — ISO 16328:2014, — IMO Res.MSC.97(73) (2000 — HSC Code) 13, — IMO Res.MSC.191(79), — IMO Res.MSC.302(87), — IMO MSC.1/ Circ.1349.	— EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — ISO 16328:2014, — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with			

				A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
		—	IEC 62288 Ed. 2.0:2014-07,			
		—	IEC 62923-1:2018,			
		—	IEC 62923-2:2018.			
MED/4.32 Universal automatic identification system equipment (AIS) Row 1 of 2	Type approval requirements	—	EN 60945:2002 incl. B+F IEC 60945 Corr. 1:2008,	B+D B+F G	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. V/18,	—	EN 61162 series:			
	— SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 13,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+	A2:2014	
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61993-2:2013, EN 62288:2014.	EN 61162-450:2011+A1:2016,		
	Or: Carriage and performance requirements	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,			
	— SOLAS 74 Reg. V/19,	—	IEC 61162 series:			
	— IMO Res.A.694(17),	—				
	— IMO Res.MSC.36(63)- (1994	—				

Status: This is the original version (as it was originally adopted).

		—	HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13, IMO Res.MSC.74(69), IMO Res.MSC.191(79), ITU-RM-1371-5 (02-2014) Note: ITU-RM 1371-5 (02-2014) shall only be applicable in accordance with requirements of IMO Res.MSC.74(69).	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016, IEC 61993-2:2012, IEC 62288 Ed. 2.0:2014-07.		
MED/4.32 Universal automatic identification system equipment (AIS) Row 2 of 2	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+D B+F G EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	13.9.2019	
		—	SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000			

Status: This is the original version (as it was originally adopted).

	HSC Code) 13.	—	IEC 61993-2:2018, EN 62288:2014, EN IEC 62923-1:2018, EN IEC 62923-2:2018.	
	Carriage and performance requirements	—		
	SOLAS 74 Reg. V/19, Or:	—		
	IMO Res.A.694(17),	—	IEC 60945:2002	
	IMO Res.MSC.36(63) (1994)	—	incl. IEC 60945	
	HSC Code) 13,	—	Corr. 1:2008, IEC 61162 series:	
	IMO Res.MSC.97(73) (2000)	—		IEC 61162-1:2016
	HSC Code) 13,	—		IEC 61162-2 Ed.1.0:1998-09
	IMO Res.MSC.74(69),	—		IEC 61162-3 Ed.1.2
	IMO Res.MSC.191(79),	—		Consol. with A1 Ed. 1.0:2010-11
	IMO Res.MSC.302(87),	—		A2 Ed. 1.0:2014-07
	ITU-RM-1371-5 (02-2014)	—		IEC 61162-450:2018,
	Note: ITU-RM 1371-5 (02-2014)	—		
	shall only be applicable in accordance with requirements of IMO Res.MSC.74(69)	—	IEC 61993-2:2018, IEC 62288 Ed. 2.0:2014-07, IEC 62923-1:2018, IEC 62923-2:2018.	

Status: This is the original version (as it was originally adopted).

MED/4.33 Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18.	—	EN 61162 series:	B+D B+E B+F G EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,	19.6.2018	29.8.2021 (I)
	Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.694(17), — IMO Res.MSC.74(69), — IMO Res.MSC.191(79), — IMO Res.MSC.302(87)	—	EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 62065:2014, EN 62288:2014.			
		Or:	— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series:	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450		

Status: This is the original version (as it was originally adopted).

				Ed.1.0:2011-06 with A1:2016,	
		—	IEC 62065 Ed. 2.0:2014-02,		
		—	IEC 62288 Ed. 2.0:2014-07.		
MED/4.33 Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots) Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/18.	—	EN 60945:2002 incl. B+F IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+F G	13.9.2019
	Carriage and performance requirements — SOLAS 74 Reg. V/19,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014		
	— IMO Res.A.694(17),	—	EN 61162-450:2018,		
	— IMO Res.MSC.74(69),	—	EN 62065:2014, EN 62288:2014,		
	— IMO Res.MSC.191(79),	—	EN 62923-1:2018,		
	— IMO Res.MSC.302(87),	—	EN 62923-2:2018.		
	Or:	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series:		

Status: This is the original version (as it was originally adopted).

				IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 62065 Ed. 2.0:2014-02, IEC 62288 Ed. 2.0:2014-07, IEC 62923-1:2018, IEC 62923-2:2018.		
MED/4.34 Radar equipment CAT 1 Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.278(VIII), — IMO Res.A.694(17), — IMO Res.MSC.191(79)	— — — — —	EN 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, EN 62288:2014,	B+D B+F G	19.6.2018	29.8.2021 (I)

	—	IMO —	EN		
	—	Res.MSC.192(78)	62388	:2013.	
	—	IMO Or:			
	—	Res.MSC.302(87)	61162		
	—	ITU-	60945	:2002	
		R	incl.		
		M.1177-4	IEC		
		(04/11).	60945		
			Corr.	1:2008,	
			IEC	61162	
			series:		
				IEC	
				61162-1:2016	
				IEC	
				61162-2	
				Ed.1.0:1998-09	
				IEC	
				61162-3	
				Ed.1.2	
				Consol.	
				with	
				A1	
				Ed.	
				1.0:2010-11	
				and	
				A2	
				Ed.	
				1.0:2014-07	
				IEC	
				61162-450	
				Ed.1.0:2011-06	
				with	
				A1:2016,	
			IEC		
			62288		
			Ed.	2.0:2014-07,	
			IEC		
			62388		
			Ed.	2.0:2013-06.	
MED/4.34 Radar equipment CAT 1 Row 2 of 2	Type approval requirements	—	EN	B+D	13.9.2019
	—	SOLAS	60945	B+F	
		74	incl.	G	
		Reg.	IEC		
		V/18.	60945		
			Corr.		
			1:2008,		

Status: This is the original version (as it was originally adopted).

Carriage and performance requirements	—	EN 61162 series:	
— SOLAS 74 Reg. V/19,		EN 61162-1:2016	
— IMO Res.A.278(VIII),		EN 61162-2:1998	
— IMO Res.A.694(17),		EN 61162-3:2008	
— IMO Res.MSC.191(79),		+A1:2010+A2:2014	
— IMO Res.MSC.192(79),		EN 61162-450:2018,	
— IMO Res.MSC.302(87),		EN 62288:2014,	
— ITU-R M.1177-4 (04/11).		EN 62388:2013,	
		EN 62923-1:2018,	
		EN 62923-2:2018.	
	Or:	IEC 60945:2002	
		incl. IEC 60945 Corr. 1:2008,	
		IEC 61162 series:	
		IEC 61162-1:2016	
		IEC 61162-2 Ed.1.0:1998-09	
		IEC 61162-3 Ed.1.2	
		Consol. with A1 Ed. 1.0:2010-11	
		and A2 Ed. 1.0:2014-07	
		IEC 61162-450:2018,	

Status: This is the original version (as it was originally adopted).

		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62388 Ed. 2.0: 2013-06,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.35 Radar equipment CAT 2 Row 1 of 2	Type approval requirements	—	EN B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008,	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. V/18.	—	EN 61162 series:		
	Carriage and performance requirements	—			
	— SOLAS 74 Reg. V/19,	—	EN 61162-1:2016		
	— IMO Res.A.278(VIII),	—	EN 61162-2:1998		
	— IMO Res.A.694(17),	—	EN 61162-3:2008 +A1:2010+A2:2014		
	— IMO Res.MSC.191(79),	—	EN 61162-450:2011+A1:2016,		
	— IMO Res.MSC.192(79),	—	EN 62388:2013,		
	— IMO Res.MSC.302(87),	—	EN 62288:2014.		
	— ITU- R M.1177-4 (04/11).	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
		—	IEC 61162 series:		
			IEC 61162-1:2016		
			IEC 61162-2 Ed.1.0:1998-09		

Status: This is the original version (as it was originally adopted).

			IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
		—	IEC 62388 Ed. 2.0:2013-06,	
		—	IEC 62288 Ed. 2.0:2014-07.	
MED/4.35 Radar equipment CAT 2 Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/18.	—	EN B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61162 series:	13.9.2018
	Carriage and performance requirements — SOLAS 74 Reg. V/19,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014	
	— IMO Res.A.278(VIII),	—	EN 61162-3:2008 +A1:2010+A2:2014	
	— IMO Res.A.694(17),	—	EN IEC 61162-450:2018,	
	— IMO Res.MSC.191(79)	—	EN 62388:2013,	
	— IMO Res.MSC.192(79)	—	EN 62288:2014,	
	— IMO Res.MSC.302(87)	—	EN IEC 62923-1:2018,	
	— ITU- R	—	IEC 62923-1:2018,	

		M.1177-4 (04/11).	EN IEC 62923-2:2018.		
		Or: —	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
		—	IEC 61162 series:		
				IEC 61162-1:2016	
				IEC 61162-2 Ed.1.0:1998-09	
				IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
				IEC 61162-450:2018,	
		—	IEC 62388 Ed. 2.0: 2013-06,		
		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.36 Radar equipment CAT 3 Row 1 of 2	Type approval requirements — SOLAS 74	—	EN 60945:2002 incl. IEC 60945	B+D B+F G	19.6.2018 29.8.2021 (I)

Status: This is the original version (as it was originally adopted).

Reg. V/18.	Corr. 1:2008,
Carriage and performance requirements	EN 61162 series:
— SOLAS 74	EN 61162-1:2016
— Reg. V/19, IMO Res.A.278(VIII),	EN 61162-2:1998
— IMO Res.A.694(17),	EN 61162-3:2008 +A1:2010+A2:2014
— IMO Res.MSC.191(79)	EN 61162-450:2011+A1:2016,
— IMO Res.MSC.192(79)	EN 62288:2014,
— IMO Res.MSC.302(87)	EN 62388:2013.
— ITU-R M.1177-4 (04/11).	IEC 60945:2002 incl. IEC 60945
—	Corr. 1:2008, IEC 61162 series:
—	IEC 61162-1:2016
—	IEC 61162-2 Ed.1.0:1998-09
—	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07
—	IEC 61162-450 Ed.1.0:2011-06 with A1:2016,
—	IEC 62288

		—	Ed. 2.0:2014-07, IEC 62388 Ed. 2.0:2013-06.		
MED/4.36 Radar equipment CAT 3 Row 2 of 2	Type approval requirements	—	EN B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61162 series:	13.9.2019	
	— SOLAS 74 Reg. V/18.	—			
	Carriage and performance requirements	—			
	— SOLAS 74 Reg. V/19,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014		
	— IMO Res.A.278(VIII),	—	EN 61162-4:2018,		
	— IMO Res.A.694(17),	—	EN 61162-5:2018,		
	— IMO Res.MSC.191(79),	—	EN 62288:2014,		
	— IMO Res.MSC.192(79),	—	EN 62388:2013,		
	— IMO Res.MSC.302(87),	—	EN 62923-1:2018,		
	— ITU- R M.1177-4 (04/11).	—	IEC 62923-2:2018.		
		Or:			
		—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series:		
		—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09		

Status: This is the original version (as it was originally adopted).

				IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
		—	IEC 62288 Ed. 2.0:2014-07,			
		—	IEC 62388 Ed. 2.0: 2013-06,			
		—	IEC 62923-1:2018,			
		—	IEC 62923-2:2018.			
MED/4.37 Radar equipment for high speed craft applications (CAT 1H and CAT 2H) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63) (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,	B+D B+D B+F G	19.6.2018	29.8.2021 (I)
	Carriage and performance requirements — IMO Res.A.278(VIII),	—	EN 62288:2014, — EN 62388:2013.			

Status: This is the original version (as it was originally adopted).

	—	IMO —	IEC		
		Res.A.694(17),	60945:2002		
	—	IMO	incl.		
		Res.MSC.36(63)	IEC		
		(1994	60945		
		HSC	Corr.		
		Code)	1:2008,		
		13,	—	IEC	
	—	IMO	61162		
		Res.MSC.97(73)	series:		
		(2000	IEC		
		HSC	61162-1:2016		
		Code)	IEC		
		13,	61162-2		
	—	IMO	Ed.1.0:1998-09		
		Res.MSC.191(79),	IEC		
	—	IMO	61162-3		
		Res.MSC.192(79),	Ed.1.2		
	—	IMO	Consol.		
		Res.MSC.302(87),	with		
	—	IMO	A1		
		MSC.1/	Ed.		
		Circ.1349,	1.0:2010-11		
	—	ITU-	and		
		R	A2		
		M.1177-4	Ed.		
		(04/11).	1.0:2014-07		
			IEC		
			61162-450		
			Ed.1.0:2011-06		
			with		
			A1:2016,		
		—	IEC		
			62288		
			Ed.		
			2.0:2014-07,		
		—	IEC		
			62388		
			Ed.		
			2.0:2013-06.		
MED/4.37	Type	—	EN	B+D	13.9.2019
Radar	approval		60945:2002	B+E	
equipment	requirements		incl.	B+F	
for high	—	SOLAS	IEC	G	
speed craft		74	60945		
applications		Reg.	Corr.		
(CAT 1H and		X/3,	1:2008,		
CAT 2H)	—	IMO —	EN		
Row 2 of 2		Res.MSC.36(63)	61162		
		(1994	series:		
		HSC		EN	
				61162-1:2016	

Status: This is the original version (as it was originally adopted).

	Code)		EN	
—	13,		61162-2:1998	
	IMO		EN	
	Res.MSC.97(73)-		61162-3:2008	
	(2000		+A1:2010+A2:2014	
	HSC		EN	
	Code)		IEC	
	13.		61162-450:2018,	
	Carriage and	—	EN	
	performance		62288:2014,	
	requirements	—	EN	
			62388:2013,	
—	IMO		EN	
	Res.A.278(VIII)		IEC	
—	IMO		62923-1:2018,	
	Res.A.694(17),		EN	
—	IMO		IEC	
	Res.MSC.36(63)		62923-2:2018.	
	(1994	Or:		
	HSC		IEC	
	Code)		60945:2002	
	13,		incl.	
—	IMO		IEC	
	Res.MSC.97(73)		60945	
	(2000		Corr.	
	HSC		1:2008,	
	Code)		IEC	
	13.		61162	
—	IMO		series:	
	Res.MSC.191(79),		IEC	
—	IMO		61162-1:2016	
	Res.MSC.192(79),		IEC	
—	IMO		61162-2	
	Res.MSC.302(87),		Ed.1.0:1998-09	
—	IMO		IEC	
	MSC.1/		61162-3	
	Circ.1349,		Ed.1.2	
—	ITU-		Consol.	
	R		with	
	M.1177-4		A1	
	(04/11).		Ed.	
			1.0:2010-11	
			and	
			A2	
			Ed.	
			1.0:2014-07	
			IEC	
			61162-450:2018,	
		—	IEC	
			62288	
			Ed.	
			2.0:2014-07,	

Status: This is the original version (as it was originally adopted).

		—	IEC 62388 Ed. 2.0: 2013-06,			
		—	IEC 62923-1:2018,			
		—	IEC 62923-2:2018.			
MED/4.38a Radar equipment approved with a chart option, namely: CAT 1C. Row 1 of 3	Type approval requirements	—	EN 60945:2002 incl. B+D IEC G 60945	B+D B+F G	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. X/3,	—	Corr. 1:2008,			
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	EN 61162 series:			
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011)+A1:2016,			
	Carriage and performance requirements	—	EN 62288:2014,			
	— IMO Res.A.278(VIII)	—	EN 62388:2013.			
	— IMO Res.A.694(17),	—	IEC 60945:2002			
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	incl. IEC 60945 Corr. 1:2008,			
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13,	—	IEC 61162 series:			
	— IMO Res.MSC.191(79),	—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09			
	— IMO Res.MSC.192(79),	—	IEC 61162-3 Ed.1.2 Consol.			

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.302(87),		with A1 Ed. 1.0:2010-11		
	—	ITU-R M.1177-4 (04/11).		and A2 Ed. 1.0:2014-07		
			—	IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
			—	IEC 62288 Ed. 2.0:2014-07,		
			—	IEC 62388 Ed. 2.0:2013-06.		
MED/4.38a Radar equipment approved with a chart option, namely: CAT 1C. Row 2 of 3	Type approval requirements	—	EN 60945-1:2002 incl. B+B	B+D B+F G	13.9.2019	12.8.2023 (I)
	—	SOLAS 74 Reg. X/3,	IEC 60945 Corr. 1:2008,			
	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,	EN 61162 series:	EN 61162-1:2016		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.		EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014		
	Carriage and performance requirements	—	EN 62288:2014,			
	—	IMO Res.A.278(VIII)	EN 62388:2013,			
	—	IMO Res.A.694(17),	IEC 62923-1:2018,			
	—	IMO Res.MSC.36(63) (1994 HSC	IEC 62923-2:2018.			
			Or IEC 60945:2002 incl.			

		Code)	IEC		
	—	13,	60945		
		IMO	Corr.		
		Res.MSC.97(73):2008,			
	—	(2000	IEC		
		HSC	61162		
		Code)	series:		
	—	13,	IEC		
		IMO	61162-1:2016		
		Res.MSC.191(79),	IEC		
	—	IMO	61162-2		
		Res.MSC.192(79),	Ed.1.0:1998-09		
	—	IMO	IEC		
		Res.MSC.302(87),	61162-3		
	—	ITU-	Ed.1.2		
		R	Consol.		
		M.1177-4	with		
		(04/11).	A1		
			Ed.		
			1.0:2010-11		
			and		
			A2		
			Ed.		
			1.0:2014-07		
			IEC		
			61162-450:2018,		
	—		IEC		
			62288		
			Ed.		
			2.0:2014-07,		
	—		IEC		
			62388		
			Ed.		
			2.0:		
			2013-06,		
	—		IEC		
			62923-1:2018,		
	—		IEC		
			62923-2:2018.		
MED/4.38a Radar equipment approved with a chart option, namely: CAT 1C. Row 3 of 3 (NEW ROW)	Type approval requirements	—	EN	B+D	12.8.2020
	—	SOLAS	60945	B+F	
		74	incl. IEC	G	
		Reg.	60945		
		V/18.	Corr.		
			1:2008,		
	Carriage and performance requirements	—	EN		
	—	IMO	61162		
		Res.A.278(VIII),	series:	EN	
				61162-1:2016	

Status: This is the original version (as it was originally adopted).

—	IMO	EN	
	Res.A.694(17),	61162-2:1998	
—	IMO	EN	
	Res.MSC.191(79),	61162-3:2008	
—	IMO	+A1:2010+A2:2014	
	Res.MSC.192(79),	EN	
—	IMO	IEC	
	Res.MSC.302(87),	61162-450:2018,	
—	ITU-	EN	
	R	62288:2014,	
	M.1177-4	EN	
	(04/11).	62388:2013,	
	—	EN	
		IEC	
		62923-1:2018,	
	—	EN	
		IEC	
		62923-2:2018.	
	Or:		
—		IEC	
		60945:2002	
		incl.	
		IEC	
		60945	
		Corr.	
		1:2008,	
—		IEC	
		61162	
		series:	
		IEC	
		61162-1:2016	
		IEC	
		61162-2	
		Ed.1.0:1998-09	
		IEC	
		61162-3	
		Ed.1.2	
		Consol.	
		with	
		A1	
		Ed.	
		1.0:2010-11	
		and	
		A2	
		Ed.	
		1.0:2014-07	
		IEC	
		61162-450:2018,	
—		IEC	
		62288	
		Ed.	
		2.0:2014-07,	

Status: This is the original version (as it was originally adopted).

		—	IEC 62388 Ed. 2.0: 2013-06,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.38b Radar equipment approved with a chart option, namely: CAT 2C. Row 1 of 3	Type approval requirements	—	EN 60945:2002 incl. B+D IEC G 60945 Corr. 1:2008,	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. X/3,	—	EN 61162 series:		
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,		
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 62288:2014, EN 62388:2013.		
	— IMO Res.A.278(VIII) QF	—	IEC 60945:2002		
	— IMO Res.A.694(17),	—	incl. IEC 60945		
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	IEC 60945 Corr. 1:2008,		
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13,	—	IEC 61162 series:		
	— IMO Res.MSC.191(79),	—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol.		
	— IMO Res.MSC.192(79),	—			

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.302(87),		with A1 Ed. 1.0:2010-11		
	—	ITU-R M.1177-4 (04/11).		and A2 Ed. 1.0:2014-07		
			—	IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
			—	IEC 62288 Ed. 2.0:2014-07,		
			—	IEC 62388 Ed. 2.0:2013-06.		
MED/4.38b Radar equipment approved with a chart option, namely: CAT 2C. Row 2 of 3	Type approval requirements	—	EN 60945-1:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+F G	13.9.2019	12.8.2023 (I)
	—	SOLAS 74 Reg. X/3,	EN 61162 series:	EN 61162-1:2016		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,	EN 61162-2:1998	EN 61162-3:2008 +A1:2010+A2:2014		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.	EN 61162-450:2018,			
	Carriage and performance requirements	—	EN 62288:2014,			
	—	IMO Res.A.278(VIII)	EN 62388:2013,			
	—	IMO Res.A.694(17),	IEC 62923-1:2018,			
	—	IMO Res.MSC.36(63) (1994 HSC	IEC 62923-2:2018.			
			Or IEC 60945:2002 incl.			

		Code)	IEC		
		13,	60945		
	—	IMO	Corr.		
		Res.MSC.97(73):2008,			
		(2000	IEC		
		HSC	61162		
		Code)	series:		
		13,		IEC	
	—	IMO		61162-1:2016	
		Res.MSC.191(79),		IEC	
	—	IMO		61162-2	
		Res.MSC.192(79),		Ed.1.0:1998-09	
	—	IMO		IEC	
		Res.MSC.302(87),		61162-3	
	—	ITU-		Ed.1.2	
		R		Consol.	
		M.1177-4		with	
		(04/11).		A1	
				Ed.	
				1.0:2010-11	
				and	
				A2	
				Ed.	
				1.0:2014-07	
				IEC	
				61162-450:2018,	
		—	IEC		
			62288		
			Ed.		
			2.0:2014-07,		
		—	IEC		
			62388		
			Ed.		
			2.0:		
			2013-06,		
		—	IEC		
			62923-1:2018,		
		—	IEC		
			62923-2:2018.		
MED/4.38b Radar equipment approved with a chart option, namely: CAT 2C. Row 3 of 3 (NEW ROW)	Type approval requirements	—	EN	B+D	12.8.2020
	—	SOLAS	60945	B+F	
		74	incl. IEC	G	
		Reg.	60945		
		V/18.	Corr.		
			1:2008,		
	Carriage and performance requirements	—	EN		
	—	IMO	61162		
		Res.A.278(VIII),	series:	EN	
				61162-1:2016	

Status: This is the original version (as it was originally adopted).

—	IMO	EN	
	Res.A.694(17),	61162-2:1998	
—	IMO	EN	
	Res.MSC.191(79),	61162-3:2008	
—	IMO	+A1:2010+A2:2014	
	Res.MSC.192(79),	EN	
—	IMO	IEC	
	Res.MSC.302(87),	61162-450:2018,	
—	ITU-	EN	
	R	62288:2014,	
	M.1177-4	EN	
	(04/11).	62388:2013,	
	—	EN	
		IEC	
		62923-1:2018,	
	—	EN	
		IEC	
		62923-2:2018.	
	Or:		
—		IEC	
		60945:2002	
		incl.	
		IEC	
		60945	
		Corr.	
		1:2008,	
—		IEC	
		61162	
		series:	
		IEC	
		61162-1:2016	
		IEC	
		61162-2	
		Ed.1.0:1998-09	
		IEC	
		61162-3	
		Ed.1.2	
		Consol.	
		with	
		A1	
		Ed.	
		1.0:2010-11	
		and	
		A2	
		Ed.	
		1.0:2014-07	
		IEC	
		61162-450:2018,	
—		IEC	
		62288	
		Ed.	
		2.0:2014-07,	

		—	IEC 62388 Ed. 2.0: 2013-06,			
		—	IEC 62923-1:2018,			
		—	IEC 62923-2:2018.			
MED/4.38c Radar equipment for high speed craft applications approved with a chart option, namely: CAT 1HC. Row 1 of 2	Type approval requirements	—	EN 60945:2002 incl. B+D IEC G 60945	B+D B+F G	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. X/3,	—	Corr. 1:2008,			
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	EN 61162 series:			
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011)+A1:2016,			
	Carriage and performance requirements	—	EN 62288:2014,			
	— IMO Res.A.278(VIII)	—	EN 62388:2013.			
	— IMO Res.A.694(17),	—	IEC 60945:2002			
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	incl. IEC 60945 Corr. 1:2008,			
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13,	—	IEC 61162 series:			
	— IMO Res.MSC.191(79),	—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09			
	— IMO Res.MSC.192(79),	—	IEC 61162-3 Ed.1.2 Consol.			

Status: This is the original version (as it was originally adopted).

	—	ITU-R M.1177-4 (04/11),		with A1 Ed. 1.0:2010-11	
	—	IMO Res.MSC.302(87),		and A2 Ed. 1.0:2014-07	
	—	IMO MSC.1/Circ.1349.		IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
	—		IEC 62288 Ed. 2.0:2014-07,		
	—		IEC 62388 Ed. 2.0:2013-06.		
MED/4.38c Radar equipment for high speed craft applications approved with a chart option, namely: CAT 1HC. Row 2 of 2	Type approval requirements	—	EN 60945-1:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+F G	13.9.2019
	—	SOLAS 74 Reg. X/3,	EN 61162 series:	EN 61162-1:2016	
	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,		EN 61162-2:1998	
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 13.		EN 61162-3:2008 +A1:2010+A2:2014	
	Carriage and performance requirements	—	EN 62288:2014,	EN 61162-450:2018,	
	—	IMO Res.A.278(VIII)	EN 62388:2013,		
	—	IMO Res.A.694(17),	IEC 62923-1:2018,		
	—	IMO Res.MSC.36(63) (1994 HSC Or:	EN 62923-2:2018.		

		Code)	IEC			
	—	13,	60945:2002			
	—	IMO	incl.			
	—	Res.MSC.97(73)	IEC			
	—	(2000	60945			
	—	HSC	Corr.			
	—	Code)	1:2008,			
	—	13,	IEC			
	—	IMO	61162			
	—	Res.MSC.191(78)	series:			
	—	IMO	IEC			
	—	Res.MSC.192(79),	61162-1:2016			
	—	ITU-	IEC			
	—	R	61162-2			
	—	M.1177-4	Ed.1.0:1998-09			
	—	(04/11),	IEC			
	—	IMO	61162-3			
	—	Res.MSC.302(87),	Ed.1.2			
	—	IMO	Consol.			
	—	MSC.1/	with			
	—	Circ.1349.	A1			
	—		Ed.			
	—		1.0:2010-11			
	—		and			
	—		A2			
	—		Ed.			
	—		1.0:2014-07			
	—		IEC			
	—		61162-450:2018,			
	—		IEC			
	—		62288			
	—		Ed.			
	—		2.0:2014-07,			
	—		IEC			
	—		62388			
	—		Ed.			
	—		2.0:			
	—		2013-06,			
	—		IEC			
	—		62923-1:2018,			
	—		IEC			
	—		62923-2:2018.			
MED/4.38d	Type	—	EN	B+D	19.6.2018	29.8.2021
Radar	approval	—	60945:2002	B+F		(I)
equipment	requirements	—	incl.	B+F		
for high	—	SOLAS	IEC	G		
speed craft	74	Reg.	60945			
applications	X/3,	IMO	Corr.			
approved	—	—	1:2008,			
with a chart	—	Res.MSC.36(63)	EN			
option,	—	(1994	61162			
namely:	—	—	series:			

Status: This is the original version (as it was originally adopted).

CAT 2HC. Row 1 of 2	HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13.		EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,
	Carriage and performance requirements	— EN 62288:2014, — IEC 62388 Ed. 2.0:2013-06.	
	IMO Res.A.278(VIII)	Or	
	IMO Res.A.694(17),	IEC	
	IMO Res.MSC.36(63)- (1994 HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.192(79), IMO Res.MSC.302(87), IMO MSC.1/ Circ.1349, ITU- R M.1177-4 (04/11).	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
		— IEC 62288 Ed. 2.0:2014-07,	

		—	EN 62388:2013.		
MED/4.38d Radar equipment for high speed craft applications approved with a chart option, namely: CAT 2HC. Row 2 of 2	Type approval requirements	—	EN 60945:2002 incl. B+D IEC G 60945 Corr. 1:2008, EN 61162 series:	B+D B+F G	13.9.2019
	—	SOLAS 74 Reg. X/3, IMO — Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13.	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,		
	Carriage and performance requirements	—	EN 62288:2014, EN 62388:2013, EN IEC 62923-1:2018, EN IEC 62923-2:2018.		
	—	IMO Res.A.278(VIII)	EN 62388:2013,		
	—	IMO Res.A.694(17),	IEC 62923-1:2018,		
	—	IMO Res.MSC.36(63) (1994 HSC Code) Or: 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13,	EN IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series:		
	—	IMO Res.MSC.191(79),	IEC 61162-1:2016		
	—	IMO Res.MSC.192(79),	IEC 61162-2		
	—	IMO Res.MSC.302(87),	Ed.1.0:1998-09		
	—	MSC.1/ Circ.1349,	IEC 61162-3		
	—	ITU- R	Ed.1.2 Consol.		

Status: This is the original version (as it was originally adopted).

	M.1177-4 (04/11).			with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62388 Ed. 2.0: 2013-06, — IEC 62923-1:2018, — IEC 62923-2:2018.		
MED/4.39 Radar reflector - passive type Row 1 of 1	Type approval requirements	—	ISO 8729- EN 60945 incl. IEC 60945 Corr. 1:2008. Or: —	B+D B+E10, B+F C2002		
	— SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63) (1994 HSC Code) 13, — IMO Res.MSC.97(73) (2000 HSC Code) 13.		ISO 8729-1:2010, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.			
	Carriage and performance requirements	—	SOLAS 74			

Status: This is the original version (as it was originally adopted).

	—	Reg. V/19, IMO Res.MSC.36(63)-(1994 HSC Code) 13,				
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 13,				
	—	IMO Res.MSC.164(78).				
MED/4.40 Heading control system for high speed craft Row 1 of 2	Type approval requirements	— SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13.	— ISO 16329:2003, EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+B3, B+F C2002	19.6.2018	29.8.2021 (I)
	Carriage and performance requirements	—	EN 62288:2014.	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,		
	—	IMO Res.A.694(17), Or	EN 16329:2003,			
	—	IMO Res.A.822(19),	IEC 60945:2002			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC	incl. IEC 60945 Corr. 1:2008, IEC 61162 series:			

Status: This is the original version (as it was originally adopted).

		Code) 13, — IMO Res.MSC.191(79), — IMO Res.MSC.302(87), — IMO MSC.1/ Circ.1349.		IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016, — IEC 62288 Ed. 2.0:2014-07.	
MED/4.40 Heading control system for high speed craft Row 2 of 2	Type approval requirements — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63):2008, (1994— HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13. Carriage and performance requirements — IMO Res.A.694(17), — IMO Res.A.822(19),	— — —	ISO B+D 16329:2003, — EN B+F 60945:2002 incl. IEC 60945 Corr. Res.MSC.36(63):2008, (1994— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2014,	13.9.2019	

	—	IMO — EN Res.MSC.36(63)IEC (1994 62923-1:2018, HSC — EN Code) IEC 13, 62923-2:2018.			
	—	IMO Or: Res.MSC.97(73)ISO (2000 16329:2003, HSC — IEC Code) 60945:2002 13, incl.			
	—	IMO IEC Res.MSC.191(70)945			
	—	IMO Corr. Res.MSC.302(87)2008,			
	—	IMO — IEC MSC.1/ 61162 Circ.1349. series:			
				IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.41 Transmitting heading device THD (GNSS method)	Type approval requirements — SOLAS 74	—	ISO B+D 22090B+E EN B+F 60945G incl. IEC	19.6.2018	29.8.2021 (I)

Status: This is the original version (as it was originally adopted).

Row 1 of 2

—	Reg. V/18, SOLAS 74	60945 Corr. 1:2008, EN 61162 series:	
—	Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13,	EN 61162-1:2016 EN 61162-2:1998 EN 62288:2014.	
—	IMO Or: Res.MSC.97(73) (2000 HSC Code) 13.	ISO 22090-3:2014, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series:	
—	Carriage and performance requirements SOLAS 74	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 62288 Ed. 2.0:2014-07.	
—	Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63)-(1994 HSC Code) 13,	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 62288 Ed. 2.0:2014-07.	
—	IMO Res.MSC.97(73) (2000 HSC Code) 13,	And as applicable: EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016.	
—	IMO Res.MSC.116(73), Or: IMO Res.MSC.191(79), IMO Res.MSC.302(87)	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2	

			Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016.		
MED/4.41 Transmitting heading device THD (GNSS method) Row 2 of 2	Type approval requirements	—	ISO B+D 22090-3:2014, EN B+F 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998, EN 62288:2014, EN 62923-1:2018, EN IEC 62923-2:2018.	13.9.2019	
	— SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	—		
	Carriage and performance requirements	Or:	ISO 22090-3:2014, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09, IEC 62288		
	— SOLAS 74 Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63)- (1994 HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13,	—	—		

Status: This is the original version (as it was originally adopted).

	—	IMO Ed. Res.MSC.116(73):2014-07,		
	—	IMO — IEC Res.MSC.191(76)2023-1:2018,		
	—	IMO — IEC Res.MSC.302(87)2023-2:2018.		
		And as applicable:		
	—	EN 61162 series:		EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018.
	—	IEC 61162 series:		Or: IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018.
MED/4.42 Searchlight for high speed craft Row 1 of 1	Type approval requirements	— SOLAS 74 Reg. X/3, IMO Res.MSC.36(63):2008. (1994 Or: HSC Code) 13, IMO Res.MSC.97(73)incl. (2000 HSC	— ISO 17884:2004, EN B+F 60945:2002 incl. IEC 60945 Corr. Res.MSC.36(63):2008. ISO 17884:2004, IEC 60945:2002 incl. IEC 60945	

Status: This is the original version (as it was originally adopted).

	Code) 13.	Corr. 1:2008.		
	Carriage and performance requirements			
	— IMO Res.A.694(17),			
	— IMO Res.MSC.36(63)-(1994 HSC Code) 13,			
	— IMO Res.MSC.97(73)-(2000 HSC Code) 13.			
MED/4.43 Night vision equipment for high speed craft Row 1 of 1	Type approval requirements	— ISO 16273:2003, EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 62288:2014.	B+D B+F 2002	
	— SOLAS 74 Reg. X/3,			
	— IMO Res.MSC.36(63)-(1994 HSC Code) Or: 13,			
	— IMO Res.MSC.97(73)-(2000 HSC Code) 13.			
	Carriage and performance requirements	— IEC 62288 Ed. 2.0:2014-07.		
	— IMO Res.A.694(17),			
	— IMO Res.MSC.36(63)-(1994 HSC Code) 13,			
	— IMO Res.MSC.94(72),			

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.97(73)-(2000 HSC Code) 13,				
	—	IMO Res.MSC.191(79).				
MED/4.44 Differential beacon receiver for DGPS and DGLONASS Equipment Row 1 of 2	Type approval requirements	—	EN 60945-1:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-4:2004, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016.	B+D B+F G	19.6.2018	7.5.2021 (I)
	—	SOLAS 74 Reg. V/18,				
	—	SOLAS 74 Reg. X/3,				
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 13,				
	—	IMO Res.MSC.97(73)-(2000 HSC Code) Or: 13.				
	Carriage and performance requirements	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-4:2004, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with			
	—	SOLAS 74 Reg. V/19,				
	—	IMO Res.A.694(17),				
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 13,				
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 13,				

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.114(73).		A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016.	
MED/4.44 Differential beacon receiver for DGPS and DGLONASS Equipment Row 2 of 2	Type approval requirements	—	EN 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-4: 2004, EN 61162 series:	B+D B+B2 B+F G	13.9.2019
	—	SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3,	—		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014	
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018.	
	Carriage and performance requirements	Or: —	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-4: 2004, IEC 61162 series:		
	—	SOLAS 74 Reg. V/19,	—		
	—	IMO Res.A.694(17),	—		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	IEC 61162-1:2016	
	—	IMO Res.MSC.97(73)-	—		

Status: This is the original version (as it was originally adopted).

		(2000 HSC Code) 13, IMO Res.MSC.114(73).		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018.		
Item MED/4.45, Chart facilities for shipborne radar, - item deleted, as it is covered by MED/4.38.						
MED/4.46 Transmitting heading device THD (Gyroscopic method) Row 1 of 2	Type approval requirements	—	ISO 22090 B+B, EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011)+A1:2016,	B+B, EN 60945:2002	19.6.2018	29.8.2021 (I)
	Carriage and performance requirements	—	Or: ISO 22090-1:2014, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,			
		SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13.				

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	IEC 61162 series:		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13,		IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
	—	IMO Res.MSC.116(73),		IEC 62288 Ed. 2.0:2014-07.		
	—	IMO Res.MSC.191(79),				
	—	IMO Res.MSC.302(87).				
MED/4.46 Transmitting heading device THD (Gyroscopic method) Row 2 of 2	Type approval requirements	— SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)- (1994 HSC Code) 13, — IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	ISO 22090 B+B, EN 60945-2:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	13.9.2019	

Status: This is the original version (as it was originally adopted).

	Carriage and performance requirements	—	EN 62288:2014,		
		—	EN		
	SOLAS 74	—	IEC 62923-1:2018,		
	Reg. V/19,	—	EN		
	IMO	—	IEC 62923-2:2018.		
	Res.A.954(17),	—	ISO		
	IMO	—	ISO 22090-1:2014,		
	Res.MSC.36(63) (1994	—	IEC 60945:2002		
	HSC Code)	—	incl. IEC 60945		
	13,	—	IMO		
	IMO	—	Res.MSC.97(73) (2000		
	HSC Code)	—	IEC 61162 series:		
	13,	—	IMO		
	Res.MSC.116(73),	—	IEC 61162-1:2016		
	IMO	—	IEC 61162-2		
	Res.MSC.191(79),	—	Ed.1.0:1998-09		
	IMO	—	IEC 61162-3		
	Res.MSC.302(87).	—	Ed.1.2		
		—	Consol. with A1		
		—	Ed. 1.0:2010-11		
		—	and A2		
		—	Ed. 1.0:2014-07		
		—	IEC 61162-450:2018,		
		—	IEC 62288		
		—	Ed. 2.0:2014-07,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.47 Simplified voyage data	Type approval requirements	—	EN 60945-2002 incl. IEC	B+D B+F G	19.6.2018 29.8.2021 (I)

recorder (S-VDR) Row 1 of 2	—	SOLAS 74 Reg. V/20.	60945 Corr. 1:2008, EN 61162 series:	
		Carriage and performance requirements		EN 61162-1:2016
	—	SOLAS 74 Reg. V/20.	EN 61162-2:1998 EN 61162-3:2008	
	—	IMO Res.A.694(17),	+A1:2010+A2:2014	
	—	IMO Res.MSC.163(78)	EN 61162-450:2011+A1:2016,	
	—	IMO Res.MSC.191(79)	EN 61996-2:2008,	
	—	IMO Res.MSC.302(87).	EN 62288:2014.	
	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	—	IEC 61162 series:		IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,

Status: This is the original version (as it was originally adopted).

		—	IEC 61996-2:2007, — IEC 62288 Ed. 2.0:2014-07.		
MED/4.47 Simplified voyage data recorder (S- VDR) Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/20.	—	EN B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61162 series:	13.9.2019	
	Carriage and performance requirements — SOLAS 74 Reg. V/20, — IMO Res.A.694(17), — IMO Res.MSC.163(78), — IMO Res.MSC.191(79), — IMO Res.MSC.302(87),	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, EN 61996-2:2008, EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.		
	Or: —	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series:		
			IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09		

			IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
		—	IEC 61996-2: 2007,	
		—	IEC 62288 Ed. 2.0:2014-07,	
		—	IEC 62923-1:2018,	
		—	IEC 62923-2:2018.	

Item MED/4.48 “Mechanical pilot hoist” is deliberately left blank (as IMO Res.MSC.308(88), in force on 1 July 2012, quotes: “Mechanical pilot hoists shall not be used”).

MED/4.49 Pilot ladder Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/23, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. V/23, — IMO Res. A.1045(27),	— — — —	IMO B+D Res. B+E A.1045(27), as amended, ISO 799:2004.		12.8.2023 (II)
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Status: This is the original version (as it was originally adopted).

	—	IMO MSC/ Circ.1428.				
MED/4.49 Pilot ladder Row 2 of 2 (NEW ROW)	Type approval requirements	—	IMO Res. A.1045(27), as amended, ISO 799-1:2019.	B+D B+E G	12.8.2020	
	—	SOLAS 74 Reg. V/23,				
	—	SOLAS 74 Reg. X/3.				
	Carriage and performance requirements					
	—	SOLAS 74 Reg. V/23,				
	—	IMO Res. A.1045(27),				
	—	IMO MSC/ Circ.1428.				
MED/4.50 DGPS Equipment Row 1 of 2	Type approval requirements	—	EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61108-1:2003, EN 61108-4:2004, EN MSC.36(63) 162 series:	B+D B+F G	19.6.2018	29.8.2021 (I)
	—	SOLAS 74 Reg. V/18,				
	—	SOLAS 74 Reg. X/3,				
	—	IMO Res.MSC.36(63) (1994 HSC Code) 13,		EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.				

	Carriage and performance requirements	—	EN 62288:2014.		
		Or:			
	— SOLAS 74 Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13, IMO Res.MSC.112(73), IMO Res.MSC.114(73), IMO Res.MSC.191(79), IMO Res.MSC.302(87).	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-1:2003, IEC 61108-4:2004, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
		—	IEC 62288 Ed. 2.0:2014-07.		
MED/4.50 DGPS Equipment Row 2 of 2	Type approval requirements	—	EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61108-1:2003,	B+D B+F G	13.9.2019
	— SOLAS 74 Reg. V/18, SOLAS 74	—	EN 61108-1:2003,		

Status: This is the original version (as it was originally adopted).

—	Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	EN 61108-4:2004, EN 61162 series:	
—	IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	
—	Carriage and performance requirements SOLAS 74 Reg. V/19, IMO Res.A.694(17), Or: IMO Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13,	—	EN 62288:2014, EN IEC 62923-1:2018, EN IEC 62923-2:2018. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-1:2003, IEC 61108-4:2004, IEC 61162 series:	
—	IMO Res.MSC.112(73), IMO Res.MSC.114(73), IMO Res.MSC.191(79), IMO Res.MSC.302(87).	—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11	

				and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.51 DGLONASS Equipment Row 1 of 2	Type approval requirements	—	EN B+D 60945:2002 incl. B+F IEC G 60945	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. V/18,	—	EN 61108-2:1998,		
	— SOLAS 74 Reg. X/3,	—	EN 61108-4:2004,		
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	EN 61162-1:2016 EN 61162-2:1998		
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,		
	Carriage and performance requirements	—	EN 62288:2014.		
	— SOLAS 74 Reg. V/19,	Or: —	IEC 60945:2002 incl. IEC 60945		
	— IMO Res.A.694(17),	—	Corr. 1:2008,		
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	IEC 61108-2 Ed. 1.0:1998,		

Status: This is the original version (as it was originally adopted).

	—	IMO Res.MSC.97(73) (2000 HSC Code) 13,	—	IEC 61108-4:2004, IEC 61162 series:		
	—	IMO Res.MSC.113(73),		IEC 61162-1:2016		
	—	IMO Res.MSC.114(73),		IEC 61162-2 Ed.1.0:1998-09		
	—	IMO Res.MSC.191(79),		IEC 61162-3 Ed.1.2		
	—	IMO Res.MSC.302(87).		Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,		
			—	IEC 62288 Ed. 2.0:2014-07.		
MED/4.51 DGLONASS Equipment Row 2 of 2	Type approval requirements	— SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 13,	— EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61108-2:1998, EN 61108-4:2004, EN 61162 series:	B+D B+F G		13.9.2019
	—	IMO Res.MSC.97(73)- (2000 HSC		EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014		

	Code) 13.		EN IEC 61162-450:2018,
—	Carriage and performance requirements	EN 62288:2014,	
—	SOLAS 74 Reg. V/19, IMO Res.A.694(17), Or: IMO Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13, IMO Res.MSC.113(73) 2004, IMO Res.MSC.114(73), IMO Res.MSC.191(79), IMO Res.MSC.302(87).	EN IEC 62923-1:2018, EN IEC 62923-2:2018. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61108-2 Ed. 1.0:1998, IEC 61108-4: 2004, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
—		IEC 62288 Ed. 2.0:2014-07,	

Status: This is the original version (as it was originally adopted).

		—	IEC 62923-1:2018, — IEC 62923-2:2018.		
MED/4.52 Daylight signalling lamp Row 1 of 1	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. Or: X/3, — — IMO Res.MSC.36(63) (1994 HSC Code), — IMO Res.MSC.97(73) (2000 HSC Code).	—	EN 60945:2002 incl. B+D IEC 60945 Corr. 1:2008, ISO 25861:2007. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, ISO 25861:2007.	B+D B+F	
	Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.694(17), — IMO Res.MSC.36(63)- (1994 HSC Code), — IMO Res.MSC.95(72), — IMO Res.MSC.97(73)- (2000 HSC Code).				
MED/4.53 Radar target enhancer Row 1 of 1	Type approval requirements — SOLAS 74	—	ISO 8729-2:2009, — EN 60945:2002 incl.	B+D B+F	

Status: This is the original version (as it was originally adopted).

	—	Reg. V/18, SOLAS 74	IEC 60945 Corr. 1:2008.		
	—	Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 13,	Or: — ISO 8729-2:2009, IEC 60945:2002 incl. IEC 60945		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 13.	Corr. 1:2008.		
		Carriage and performance requirements			
	—	SOLAS 74			
	—	Reg. V/19, IMO Res.A.694(17),			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 13,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 13,			
	—	IMO Res.MSC.164(78),			
	—	ITU-R M.1176-1 (02/13).			
MED/4.54 Compass Bearing Device Row 1 of 2	Type approval requirements	— SOLAS 74	ISO 25862:2009, EN 60945:2002 incl. IEC	B+D B+F	12.8.2023 (I)

Status: This is the original version (as it was originally adopted).

	Reg. V/18.	—	60945 Corr. 1:2008.		
	Carriage and performance requirements	Or: —	ISO 25862:2009, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.		
	— SOLAS 74 Reg. V/19.	—			
MED/4.54 Compass Bearing Device Row 2 of 2 (NEW ROW)	Type approval requirements	—	ISO B+D 25862:2009, EN B+F 60945:2002 incl. IEC 60945 Corr. 1:2008.	12.8.2020	
	— SOLAS 74 Reg. V/18.	—			
	Carriage and performance requirements	Or: —	ISO 25862:2019, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.		
	— SOLAS 74 Reg. V/19.	—			
MED/4.55 Search and rescue locating devices (SRLD): AIS SART equipment Row 1 of 1	Type approval requirements	—	EN B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61097-14:2010.		
	— SOLAS 74 Reg. III/4, SOLAS 74 Reg. IV/14.	Or: —	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-14:2010.		
	Carriage and performance requirements	—			
	— SOLAS 74 Reg. III/6,	—			

	—	SOLAS 74 Reg. III/26,				
	—	SOLAS 74 Reg. IV/7,				
	—	IMO Res.MSC.246(83),				
	—	ITU-R M.1371-5:2014.				
MED/4.56 Galileo Equipment Row 1 of 2	Type approval requirements	—	EN 60945:2002 incl. IEC 60945	B+D B+F G	19.6.2018	29.8.2021 (I)
	—	SOLAS 74 Reg. V/18,	Corr. 1:2008,			
	—	SOLAS 74 Reg. X/3,	EN 61108-3:2010,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 13,	EN 61162 series:			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 13.	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,			
	Or:	—	EN 62288:2014.			
	Carriage and performance requirements	—	IEC 60945:2002 incl. IEC 60945			
	—	SOLAS 74 Reg. V/19,	Corr. 1:2008,			
	—	IMO Res.A.694(17),	IEC 61108-3:2010,			
	—	IMO Res.A.813(19),	IEC 61162			
	—	IMO Res.MSC.36(63)-(1994 HSC	series: IEC 61162-1:2016			

Status: This is the original version (as it was originally adopted).

		Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.233(82), IMO Res.MSC.302(87).		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016, IEC 62288 Ed. 2.0:2014-07.	
MED/4.56 Galileo Equipment Row 2 of 2	Type approval requirements	—	EN	B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61108-3:2010, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, EN 62288:2014, IEC 62923-1:2018, IEC 62923-2:2018.	13.9.2019
	—	SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—		
	Carriage and performance requirements	—	—		
	—	SOLAS 74	—		

Status: This is the original version (as it was originally adopted).

		Reg. Or: V/19, — IEC — IMO 60945:2002 Res.A.694(17), incl. — IMO IEC Res.A.813(19), 60945 — IMO Corr. Res.MSC.36(63):2008, (1994 — IEC HSC 61108-3:2010, Code) — IEC 13, 61162 — IMO series: Res.MSC.97(73)- IEC (2000 61162-1:2016 HSC IEC Code) 61162-2 13, Ed.1.0:1998-09 — IMO IEC Res.MSC.191(79), 61162-3 — IMO Ed.1.2 Res.MSC.233(82), Consol. — IMO with Res.MSC.302(87). A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/4.57 Bridge Navigational Watch Alarm System (BNWAS) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18.	—	EN B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016	19.6.2018	29.8.2021 (I)
	Carriage and performance requirements — SOLAS 74	—			

Status: This is the original version (as it was originally adopted).

	Reg. V/19,	EN 61162-2:1998
—	IMO Res.A.694(17),	EN 61162-3:2008
—	IMO Res.MSC.128(75),	+A1:2010+A2:2014
—	IMO Res.MSC.191(79),	EN 61162-450:2011+A1:2016,
—	IMO Res.MSC.302(81),	IEC 62288:2014,
—	IMO MSC.1/	IEC 62616:2010
	Circ.1474.	incl. IEC 62616 Corr. 1:2012.
	Or:	
—		IEC 60945:2002
		incl. IEC 60945
—		Corr. 1:2008,
		IEC 61162 series:
		IEC 61162-1:2016
		IEC 61162-2 Ed.1.0:1998-09
		IEC 61162-3 Ed.1.2
		Consol. with A1 Ed. 1.0:2010-11
		and A2 Ed. 1.0:2014-07
		IEC 61162-450 Ed.1.0:2011-06
		with A1:2016,
—		IEC 62288 Ed. 2.0:2014-07,

Status: This is the original version (as it was originally adopted).

		—	IEC 62616:2010 incl. IEC 62616 Corr. 1:2012.		
MED/4.57 Bridge Navigational Watch Alarm System (BNWAS) Row 2 of 2	Type approval requirements	—	EN 60945:2002 incl. B+D B+F IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+F G	13.9.2019
	— SOLAS 74 Reg. V/18.	—	EN 61162 series:		
	Carriage and performance requirements	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,		
	— SOLAS 74 Reg. V/19,	—	EN 62288:2014, EN 62616:2010 incl. IEC 62616 Corr. 1:2012,		
	— IMO Res.A.694(17),	—	EN 62923-1:2018,		
	— IMO Res.MSC.128(75),	—	EN IEC 62923-2:2018.		
	— IMO Res.MSC.191(79),	Or:	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	— IMO Res.MSC.302(87),	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	— IMO MSC.1/ Circ.1474.	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		

Status: This is the original version (as it was originally adopted).

		—	IEC 61162 series:	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
		—	IEC 62288 Ed. 2.0:2014-07,			
		—	IEC 62616:2010 incl. IEC 62616 Corr. 1:2012,			
		—	IEC 62923-1:2018,			
		—	IEC 62923-2:2018.			
MED/4.58 Sound reception system Row 1 of 2	Type approval requirements	—	EN 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008,	B+D B+F G	19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. V/18,	—	EN 61162 series:	EN 61162-1:2016 EN 61162-2:1998		
	— SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994					

Status: This is the original version (as it was originally adopted).

		—	HSC Code), IMO Res.MSC.97(73)-(2000 HSC Code).	EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,	
	Carriage and performance requirements	—	EN 62288:2014, ISO 14859:2012. Or: IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series:		
		—	SOLAS 74 Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63) (1994 HSC Code), IMO Res.MSC.86(70), IMO Res.MSC.97(73)-(2000 HSC Code).	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
		—	IMO Res.MSC.191(79), IMO Res.MSC.302(87).		
		—	IEC 62288 Ed. 2.0:2014-07, ISO 14859:2012.		
MED/4.58 Sound reception system	Type approval requirements	—	EN 60945:2002 incl. IEC B+D B+F G	13.9.2019	

Status: This is the original version (as it was originally adopted).

Row 2 of 2	—	SOLAS 74 Reg. V/18,	60945 Corr. 1:2008, EN	
	—	SOLAS 74	61162 series:	
	—	Reg. X/3, IMO	EN 61162-1:2016 EN	
	—	Res.MSC.36(63)- (1994 HSC Code),	61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014	
	—	IMO Res.MSC.97(73)- (2000 HSC Code).	EN IEC 61162-450:2018, EN 62288:2014,	
		Carriage and performance requirements	EN IEC 62923-1:2018,	
	—	SOLAS 74 Reg. V/19,	EN IEC 62923-2:2018, ISO 14859:2012.	
	—	IMO Res.A.694(17),	Or IEC 60945:2002	
	—	IMO Res.MSC.36(63)- (1994 HSC Code),	incl. IEC 60945 Corr. 1:2008,	
	—	IMO Res.MSC.86(70),	IEC	
	—	IMO Res.MSC.97(73)- (2000 HSC Code),	61162 series: IEC 61162-1:2016 IEC	
	—	IMO Res.MSC.191(79),	61162-2 Ed.1.0:1998-09	
	—	IMO Res.MSC.302(87).	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2	

				Ed. 1.0:2014-07 IEC 61162-450:2018,		
		—	IEC 62288			
		—	Ed. 2.0:2014-07,			
		—	IEC 62923-1:2018,			
		—	IEC 62923-2:2018,			
		—	ISO 14859:2012.			
MED/4.59 Integrated navigation system Row 1 of 3	Type approval requirements	—	EN 60945:2002 incl. B+D B+F G		19.6.2018	29.8.2021 (I)
	— SOLAS 74 Reg. V/15,	—	IEC 60945 Corr. 1:2008,			
	— SOLAS 74 Reg. V/18,	—	EN 61162 series:			
	— SOLAS 74 Reg. X/3,	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014			
	— IMO Res.MSC.36(63)- (1994 HSC Code)	—	EN 61162-450:2011+A1:2016,			
	— 13, IMO Res.MSC.97(73) (2000 HSC Code)Or: 13.	—	EN 62288:2014, IEC 61924-2 Ed. 1.0:2012-12.			
	Carriage and performance requirements	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,			
	— SOLAS 74 Reg. V/19,	—	IEC 61162 series:			
	— IMO Res.A.694(17),	—	IEC 61162-1:2016			
	— IMO Res.MSC.36(63)-	—				

Status: This is the original version (as it was originally adopted).

		(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.252(83), IMO Res. MSC.302(87).		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016, IEC 62288 Ed. 2.0:2014-07, IEC 61924-2 Ed. 1.0:2012-12.		
MED/4.59 Integrated navigation system Row 2 of 3	Type approval requirements	— SOLAS 74 Reg. V/15, SOLAS 74 Reg. V/18, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+ EN 62288:2014, IEC 61924-2 Ed.	B+D B+F G	13.9.2019	12.8.2023 (I)

	HSC Code) 13.	1.0: 2012-12, IEC 62923-1:2018, IEC 62923-2:2018.			
	Carriage and performance requirements	Or: SOLAS 74 Reg. V/19, IMO Res.A.694(17), IMO Res.MSC.36(63) (1994)	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series:		
	HSC Code) 13, IMO Res.MSC.97(73)-(2000)	HSC Code) 13, IMO Res.MSC.191(79), IMO Res.MSC.252(83), IMO Res. MSC.302(87).	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,		
			IEC 62288 Ed. 2.0:2014-07, IEC 61924-2 Ed. 1.0: 2012-12, IEC 62923-1:2018, IEC 62923-2:2018.		
MED/4.59	Type approval requirements		EN 60945-1:2002 incl. B+D B+F	12.8.2020	

Status: This is the original version (as it was originally adopted).

Integrated navigation system Row 3 of 3 (NEW ROW)	—	SOLAS 74 Reg. V/15,	IEC 60945 Corr. 1:2008,	G	
	—	SOLAS 74 Reg. V/18,	EN 61162 series:		
	—	SOLAS 74 Reg. X/3,	EN 61162-1:2016		
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 13,	EN 61162-2:1998		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 13.	EN 61162-3:2008 +A1:2010+A2:2014		
	—	Carriage and performance requirements	EN 61162-4:2018,		
	—	SOLAS 74 Reg. V/19,	IEC 62923-1:2018,		
	—	IMO Res.A.694(17),	EN 62923-2:2018.		
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 13,	IEC 60945:2002		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 13,	IEC 61162 series:		
	—	IMO Res.MSC.191(79),	IEC 61162-1:2016		
	—	IMO Res.MSC.252(83),	IEC 61162-2 Ed.1.0:1998-09		
	—	IMO Res. MSC.302(87).	IEC 61162-3 Ed.1.2 Consol. with		

Status: This is the original version (as it was originally adopted).

		—	EN IEC 62923-2:2018.		
		Or:			
		—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
		—	IEC 61162 series:		
				IEC 61162-1:2016	
				IEC 61162-2 Ed.1.0:1998-09	
				IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
				IEC 61162-450:2018,	
		—	IEC 62288 Ed. 2.0:2014-07,		
		—	IEC 62388 Ed. 2.0: 2013-06,		
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/4.61 Radar equipment for high speed craft applications	Type approval requirements — SOLAS 74	—	EN 60945:2002 incl. IEC 60945	B+D B+F G	12.8.2020

Status: This is the original version (as it was originally adopted).

CAT 3H Row 1 of 1 New item inserted by Implementing Regulation (EU) 2020/1170	— Reg. X/3, IMO — Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73)- (2000 HSC Code) 13.	Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	
	Carriage and performance requirements	— EN 62288:2014, — EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.	
	— IMO Res.A.278(VIII)	— EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.	
	— IMO Res.A.694(17),	— EN IEC 62923-1:2018, — EN IEC 62923-2:2018.	
	— IMO Res.MSC.36(63) (1994 HSC Code) 13, IMO Res.MSC.97(73) (2000 HSC Code) 13.	— Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
	— IMO Res.MSC.191(79),	— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
	— IMO Res.MSC.192(79),	— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
	— IMO Res.MSC.302(87),	— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
	— MSC.1/ Circ.1349, ITU- R M.1177-4 (04/11).	— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	

Status: This is the original version (as it was originally adopted).

		—	IEC 61162-450:2018,	
		—	IEC 62288 Ed. 2.0:2014-07,	
		—	IEC 62388 Ed. 2.0: 2013-06,	
		—	IEC 62923-1:2018,	
		—	IEC 62923-2:2018.	
MED/4.62 Radar equipment for high speed craft applications approved with a chart option, namely: CAT 3HC. Row 1 of 1 New item inserted by Implementing Regulation (EU) 2020/1170	Type approval requirements	—	EN B+D 60945:2002 incl. B+F IEC G 60945 Corr. 1:2008,	12.8.2020
	— SOLAS 74 Reg. X/3,	—	EN 61162-1:2016	
	— IMO Res.MSC.36(63) (1994 HSC Code) 13,	—	EN 61162-2:1998	
	— IMO Res.MSC.97(73)- (2000 HSC Code) 13.	—	EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	
	Carriage and performance requirements	—	EN 62288:2014,	
	— IMO Res.A.278(VIII)	—	EN 62388:2013,	
	— IMO Res.A.694(17),	—	IEC 62923-1:2018,	
	— IMO Res.MSC.36(63) (1994 HSC Code) Or: 13,	—	EN IEC 62923-2:2018.	
	— IMO Res.MSC.97(73) (2000 HSC	—	IEC 60945:2002 incl. IEC 60945	

—	Code) 13, IMO — Res.MSC.191(79), IMO Res.MSC.192(79), IMO Res.MSC.302(87), IMO MSC.1/ Circ.1349, ITU- R M.1177-4 (04/11).	Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 62288 Ed. 2.0:2014-07, IEC 62388 Ed. 2.0: 2013-06, IEC 62923-1:2018, IEC 62923-2:2018.		
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5. Radio-communication equipment

Notes applicable to section 5: Radio-communication equipment.

Column 3: In case of conflicting requirements between IMO MSC/Circ.862 and the product testing standards, the IMO MSC/Circ.862 requirements shall take precedence.

Column 3: In case of conflicting conditions, requirements and tests between Table 5 and Table 6 of IEC 60945 and other listed standards (i.e. ETSI standards), the IEC 60945 conditions, requirements and tests shall take precedence.

Number and item designation	Regulation SOLAS 74, as amended,	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	—	IMO Res.MSC.36(63)-(1994 HSC Code) 14,				
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 14,				
	—	IMO MSC/Circ.862,				
	—	IMO MSC.1/Circ.1460,				
	—	IMO COMSAR/Circ.32,				
	—	ITU-R M.489-2 (10/95),				
	—	ITU-R M.493-13 (10/09),				
	—	ITU-R M.541-9 (05/04),				
	—	ITU-R M.689-3 (03/12).				
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 2 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2011	16.3.2017	1.2.2020 (III)	
	—	SOLAS 74 Reg. IV/14,				
	—	SOLAS 74 Reg. X/3,				
	—	IMO Res.MSC.36(63)-(1994 HSC				

Status: This is the original version (as it was originally adopted).

	Code)		EN	
—	14,		61162-2:1998	
	IMO		EN	
	Res.MSC.97(73)-		61162-3:2008	
	(2000		EN	
	HSC		61162-450:2011,	
	Code)	ETSI		
	14.	EN		
		300		
	Carriage and	338-1		
	performance	V1.3.1:2010-02,		
	requirements	ETSI		
—	SOLAS	EN		
	74	300		
	Reg.	338-2		
	IV/7,	V1.3.1:2010-02,		
—	SOLAS	ETSI		
	74	EN		
	Reg.	301		
	X/3,	843-2		
—	IMO	V2.1.		
	Res.A.385(X),	1:2016-03,		
—	IMO	ETSI		
	Res.A.524(13),	EN		
—	IMO	301		
	Res.A.694(17),	925		
—	IMO	V1.4.1:2013-05.		
	Res.A.803(19),			
—	IMO			
	Res.MSC.36(63)-			
	(1994			
	HSC			
	Code)			
	14,			
—	IMO			
	Res.MSC.97(73)-			
	(2000			
	HSC			
	Code)			
	14,			
—	IMO			
	MSC/			
—	Circ.862,			
	IMO			
—	MSC.1/			
	Circ.1460,			
—	IMO			
	COMSAR/			
—	Circ.32,			
	ITU-			
—	R			
	M.489-2			
	(10/95),			

	—	ITU-R M.493-14 (09/15),				
	—	ITU-R M.541-10 (10/15).				
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 3 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F		19.6.2018	29.8.2021 (III)
	—	SOLAS 74 Reg. IV/14,	EN 60945:2002 incl. IEC 60945			
	—	SOLAS 74 Reg. X/3,	Corr. 1:2008, EN 61162			
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.				
	Carriage and performance requirements	—	ETSI EN 300 338-1			
	—	SOLAS 74 Reg. IV/7,	V1.4.1:2017-02, ETSI EN 300 338-2			
	—	SOLAS 74 Reg. X/3,	V1.4.1:2017-02, ETSI EN 301 843-2			
	—	IMO Res.A.385(X),	V2.1.1:2016-03,			
	—	IMO Res.A.524(13),	ETSI EN 301 925			
	—	IMO Res.A.694(17),	301			
	—	IMO Res.A.803(19),	V1.5.1:2017-10.			
	—	IMO Res.MSC.36(63)-				

Status: This is the original version (as it was originally adopted).

		(1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC Code) 14, IMO MSC/Circ.862, IMO MSC.1/Circ.1460, IMO COMSAR/Circ.32, ITU-R M.489-2 (10/95), ITU-R M.493-14 (09/15), ITU-R M.541-10 (10/15).			
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 4 of 5	Type approval requirements	— SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC	IMO B+D MSC/B+E Circ.862, EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014	13.9.2019	12.8.2023 (III)

	Code)		IEC	
	14.		61162-450:2018,	
—	Carriage and performance requirements	—	ETSI EN 300 338-1	
—	SOLAS 74 Reg. IV/7,	—	V1.4.1:2017-02, ETSI EN 300 338-2	
—	SOLAS 74 Reg. X/3,	—	V1.4.1:2017-02, ETSI EN 301 843-2	
—	IMO Res.A.385(X),	—	V2.2.1:2017-11, ETSI EN 301 925	
—	IMO Res.A.524(13),	—	V1.5.1:2017-10, IEC 62923-1:2018,	
—	IMO Res.A.694(17),	—	IEC 62923-2:2018.	
—	IMO Res.A.803(19),	—		
—	IMO Res.MSC.36(63) (1994)	—		
—	HSC Code) 14,	Or:		
—	IMO Res.MSC.97(73) (2000)	—	IMO MSC/ Circ.862,	
—	HSC Code) 14,	—	IEC 60945:2002	
—	IMO Res. MSC.302(87),	—	incl. IEC 60945	
—	IMO MSC/ Circ.862,	—	Corr. 1:2008,	
—	IMO MSC.1/ Circ.1460,	—	IEC 61097-3:	
—	IMO COMSAR/ Circ.32,	—	2017, IEC 61097-7:	
—	ITU-R M.489-2 (10/95),	—	1996 with A1: 2018,	
—	ITU-R	—	IEC 61162 series:	
			IEC 61162-1:2016	

Status: This is the original version (as it was originally adopted).

		M.493-14 (09/15), ITU- R M.541-10 (10/15).		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 62923-1:2018, IEC 62923-2:2018.	
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 5 of 5 (NEW ROW)	Type approval requirements	— SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63) (1994 HSC Code) 14, — IMO Res.MSC.97(73)- (2000 HSC Code) 14.	— IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	12.8.2020	
	Carriage and performance requirements	— SOLAS 74 Reg. IV/7,	— ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300		

—	SOLAS	338-2	
	74	V1.4.1:	2017-02,
	Reg. —	ETSI	
	X/3,	EN	
—	IMO	301	
	Res.A.385(X),	843-2	
—	IMO	V2.2.	
	Res.A.524(13),	1:2017-11,	
—	IMO —	ETSI	
	Res.A.694(17),	EN	
—	IMO	301	
	Res.A.803(19),	925	
—	IMO	V1.5.1:	2017-10,
	Res.MSC.36(63)	EN	
	(1994	IEC	
	HSC	62923-1:	2018,
	Code) —	EN	
	14,	IEC	
—	IMO	62923-2:	2018.
	Res.MSC.97(73)-		
	(2000 —	IMO	
	HSC	MSC/	
	Code)	Circ.862,	
	14, —	IEC	
—	IMO	60945:	2002
	Res.	incl.	
	MSC.302(87),	IEC	
—	IMO	60945	
	MSC/	Corr.	
	Circ.862,	1:2008,	
—	IMO —	IEC	
	MSC.1/	61097-3:	
	Circ.1460,	2017,	
—	IMO —	IEC	
	COMSAR/	61097-7:	
	Circ.32,	1996	
—	ITU-	with	
	R	A1:	
	M.489-2	2018,	
	(10/95),	IEC	
—	ITU-	61162	
	R	series:	
	M.493-15	IEC	
	(01/19),	61162-1:	2016
—	ITU-	IEC	
	R	61162-2	
	M.541-10	Ed.1.0:	1998-09
	(10/15).	IEC	
		61162-3	
		Ed.1.2	
		Consol.	
		with	
		A1	

		(1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO COMSAR/ Circ.32, ITU-R M.489-2 (10/95), ITU-R M.493-13 (10/09), ITU-R M.541-9 (05/04).				
MED/5.2 VHF DSC watch-keeping receiver Row 2 of 5	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+D B+F	16.3.2017	1.2.2020 (III)
	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14.	EN 61162-1:2011 EN 61162-2:1998 EN 61162-3:2008 EN 61162-450:2011, EN 300 338-1 V1.3.1:2010-02, ETSI EN 300			
	Carriage and performance requirements	—	ETSI EN 300			

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	—	SOLAS 338-2 74 V1.3.1:2010-02, Reg. — ETSI IV/7, EN			
	—	SOLAS 301 74 033 Reg. V1.4.1:2013-09, X/3, — ETSI			
	—	IMO EN Res.A.694(17), 301			
	—	IMO 843-2 Res.A.803(19), V2.1.1:2016-03.			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 14,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,			
	—	IMO COMSAR/ Circ.32,			
	—	ITU- R M.489-2 (10/95),			
	—	ITU- R M.493-14 (09/15),			
	—	ITU- R M.541-10 (10/15).			
MED/5.2 VHF DSC watch- keeping receiver Row 3 of 5	Type approval requirements	— EN 60945 incl. B+D B+F		19.6.2018	29.8.2021 (III)
	—	SOLAS IEC 74 60945 Reg. Corr. IV/14, 1:2008,			
	—	SOLAS EN 74 61162 Reg. series:			
	—	IMO EN Res.MSC.36(63)-		EN 61162-1:2016	

	(1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC Code) 14.		EN 61162-2:1998	
—			EN 61162-3:2008 +A1:2010+A2:2014	
			EN 61162-450:2011+A1:2016,	
	Carriage and performance requirements	ETSI EN 300 338-1 V1.4.1:2017-02,		
—	SOLAS 74 Reg. IV/7,	ETSI EN 300 338-2 V1.4.1:2017-02,		
—	SOLAS 74 Reg. X/3,	ETSI EN 301 033 V1.4.1:2013-09,		
—	IMO Res.A.694(17),	ETSI EN 301 843-2 V2.1.1:2016-03.		
—	IMO Res.A.803(19),			
—	IMO Res.MSC.36(63)-(1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC Code) 14, IMO COMSAR/ Circ.32,			
—	ITU-R M.489-2 (10/95),			
—	ITU-R M.493-14 (09/15),			
—	ITU-R M.541-10 (10/15).			

Status: This is the original version (as it was originally adopted).

MED/5.2 VHF DSC watch- keeping receiver Row 4 of 5	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)- (1994 HSC Code) 14, — IMO Res.MSC.97(73)- (2000 HSC Code) 14.	— EN 60945:2002 incl. B+D IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018, — ETSI EN 300 338-1 V1.4.2:2017-11, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-2 V2.2.1:2017-11, — IEC 62923-1:2018, — IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+F	13.9.2019	12.8.2023 (III)
	Carriage and performance requirements — SOLAS 74 Reg. IV/7, — SOLAS 74 Reg. X/3, — IMO Res.A.694(17), — IMO Res.A.803(19), — IMO Res.MSC.36(63)- (1994 HSC Code) 14, — IMO Res.MSC.97(73)- (2000 HSC Code) 14,	— EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-2 V2.2.1:2017-11, — IEC 62923-1:2018, — IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,			

	—	IMO Res. MSC.302(87), 2017,	—	IEC 61097-3:		
	—	COMSAR/Circ.32,	—	IEC 61097-8:1998,		
	—	ITU-R M.489-2 (10/95),	—	IEC 61162 series:		
	—	ITU-R M.493-14 (09/15),	—	IEC 61162-1:2016		
	—	ITU-R M.541-10 (10/15).	—	IEC 61162-2 Ed.1.0:1998-09		
			—	IEC 61162-3 Ed.1.2		
			—	Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07		
			—	IEC 61162-450:2018,		
			—	IEC 62923-1:2018,		
			—	IEC 62923-2:2018.		
MED/5.2 VHF DSC watch-keeping receiver Row 5 of 5 (NEW ROW)	Type approval requirements	— SOLAS 74 Reg. IV/14,	—	EN B+D 60945-1:2002 incl. B+F		12.8.2020
	—	SOLAS 74 Reg. X/3,	—	IEC 60945 Corr. 1:2008,		
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 14,	—	EN 61162 series:		
	—	IMO Res.MSC.97(73)-(2000 HSC	—	EN 61162-1:2016		
			—	EN 61162-2:1998		
			—	EN 61162-3:2008 +A1:2010+A2:2014		
			—	EN 61162-450:2018,		

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	Code)	ETSI	
	14.	EN	
		300	
	Carriage and performance requirements	338-1	
		V1.5.1:	2019-09
	— SOLAS	ETSI	
	74	EN	
	Reg. IV/7,	300	
	SOLAS	338-2	
	74	V1.4.1:	2017-02,
	Reg. X/3,	ETSI	
	IMO	EN	
	Res.A.694(17),	301	
	IMO	033	
	Res.A.803(19),	V1.4.1:	2013-09,
	IMO	ETSI	
	Res.MSC.36(63),	EN	
	(1994	301	
	HSC Code)	843-2	
	14,	V2.2.1:	2017-11,
	IMO	EN	
	Res.MSC.97(73),	IEC	
	(2000	62923-1:	2018,
	HSC Code)	EN	
	14,	IEC	
	IMO	60945:	2002
	Res. MSC.302(87),	incl.	
	IMO	IEC	
	COMSAR/	60945	
	Circ.32,	Corr.	
	ITU-R	1:2008,	
	M.489-2	IEC	
	(10/95),	61097-3:	
	ITU-R	2017,	
	M.493-15	IEC	
	(01/19),	61097-8:	1998,
	ITU-R	IEC	
	M.541-10	61162	
	(10/15).	series:	
		IEC	
		61162-1:	2016
		IEC	
		61162-2	
		Ed.1.0:	1998-09
		IEC	
		61162-3	
		Ed.1.2	
		Consol.	
		with	
		A1	

				Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/5.3 NAVTEX receiver Row 1 of 5	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008,	B+D B+B2 B+F	21.3.2019 (III)
	— SOLAS 74 Reg. IV/14,	—	ETSI EN 300 065-1		
	— SOLAS 74 Reg. X/3,	—	V1.2.1:2009-01,		
	— IMO Res.MSC.36(63) (1994 HSC Code) 14,	—	ETSI EN 301 843-4 V1.2.1:2004-06.		
	— IMO Or: Res.MSC.97(73) (2000 HSC Code) 14.	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	Carriage and performance requirements	—	IEC 61097-6:2012-01.		
	— SOLAS 74 Reg. IV/7,				
	— SOLAS 74 Reg. X/3,				
	— IMO Res.A.694(17),				
	— IMO Res.MSC.36(63)- (1994 HSC				

Status: This is the original version (as it was originally adopted).

	Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO Res.MSC.148(77), IMO COMSAR/ Circ.32, ITU- R M.540-2 (06/90), ITU- R M.625-4 (03/12).				
MED/5.3 NAVTEX receiver Row 2 of 5	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS- 74 Reg. X/3, — IMO Res.MSC.36(63) (1994 HSC Code) 14, — IMO Or: Res.MSC.97(73) (2000 HSC Code) 14. Carriage and performance requirements — SOLAS 74 Reg. IV/7,	— EN 60945 incl. IEC 60945 Corr. 1:2008, ETSI EN 300 065-1 V1.2.1:2009-01, ETSI EN 301 843-4 V2.1.1:2016-03. Or: IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-6:2012-01.	B+D B+F	16.3.2017	1.9.2020 (III)

	—	SOLAS 74 Reg. X/3, IMO Res.A.694(17), IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO Res.MSC.148(77), IMO COMSAR/ Circ.32, ITU- R M.540-2 (06/90), ITU- R M.625-4 (03/12).				
MED/5.3 NAVTEX receiver Row 3 of 5	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+E B+F	19.6.2018	29.8.2021 (III)
	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC	EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, ETSI EN			

Status: This is the original version (as it was originally adopted).

	Code) 14.	300 065-1		
	Carriage and performance requirements	—	V1.2.1:2009-01, ETSI EN 301 843-4 V2.1.1:2016-03.	
	— SOLAS 74 Reg. IV/7,	Or:	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,	
	— SOLAS 74 Reg. X/3, IMO Res.A.694(17),	—	IEC 61162 series:	
	— IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC Code) 14, IMO Res.MSC.148(77),	—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
	— COMSAR/ Circ.32, ITU-R M.540-2 (06/90),	—	IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	
	— ITU-R M.625-4 (03/12).	—	IEC 61097-6:2012-01.	
MED/5.3 NAVTEX receiver Row 4 of 5	Type approval requirements	—	EN B+D 60945:2002 incl. B+F IEC 60945 Corr. 1:2008,	12.8.2023 (III)
	— SOLAS 74 Reg. IV/14,	—	IEC 60945 Corr. 1:2008,	
	— SOLAS 74	—		

Status: This is the original version (as it was originally adopted).

—	Reg. X/3, IMO	—	EN 61162 series:	
—	Res.MSC.36(63)-(1994 HSC Code) 14, IMO	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008	
—	Res.MSC.97(73)-(2000 HSC Code) 14.	—	+A1:2010+A2:2014 IEC 61162-450:2018,	
	Carriage and performance requirements		ETSI EN 300 065-1 V1.2.1:2009-01,	
—	SOLAS 74	—	ETSI EN 301 843-2	
—	Reg. IV/7, SOLAS 74	—	V2.2.1:2017-11, IEC 62923-1:2018,	
—	Reg. X/3, IMO	—	IEC 62923-2:2018.	
—	Res.A.694(17), IMO	Or	IEC 60945:2002	
—	Res.MSC.36(63)-(1994 HSC Code) 14, IMO	—	incl. IEC 60945	
—	Res.MSC.97(73)-(2000 HSC Code) 14, IMO	—	Corr. 1:2008, IEC 61162 series:	
—	Res.MSC.148(77), IMO	—	IEC 61162-1:2016 IEC 61162-2	
—	Res. MSC.302(87), IMO	—	Ed.1.0:1998-09 IEC 61162-3	
—	COMSAR/ Circ.32, ITU-R	—	Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2	

Status: This is the original version (as it was originally adopted).

		M.540-2 (06/90), ITU- R M.625-4 (03/12).		Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 61097-6:2012-01, IEC 62923-1:2018, IEC 62923-2:2018.	
MED/5.3 NAVTEX receiver Row 5 of 5 (NEW ROW)	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+B2 B+F	12.8.2020
	—	SOLAS 74 Reg. IV/14, SOLAS- 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14.	EN 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, ETSI EN 300 065-1 V1.2.1:2009-01, ETSI EN 301 843-2 V2.2.1:2017-11, EN IEC 62923-1:2018, EN IEC 62923-2:2018. IEC 60945:2002 incl. IEC 60945		
	Carriage and performance requirements	—	EN 301 843-2 V2.2.1:2017-11, EN IEC 62923-1:2018, EN IEC 62923-2:2018. IEC 60945:2002 incl. IEC 60945		
	—	SOLAS 74 Reg. IV/7, SOLAS 74 Reg. X/3, IMO Res.A.694(17), Or: IMO Res.MSC.36(63) (1994 HSC Code) 14,	EN 301 843-2 V2.2.1:2017-11, EN IEC 62923-1:2018, EN IEC 62923-2:2018. IEC 60945:2002 incl. IEC 60945		
	—	IMO Res.A.694(17), Or: IMO Res.MSC.36(63) (1994 HSC Code) 14,	EN 301 843-2 V2.2.1:2017-11, EN IEC 62923-1:2018, EN IEC 62923-2:2018. IEC 60945:2002 incl. IEC 60945		

	—	IMO Res.MSC.97(73):2008, (2000 HSC Code) 14,	Corr. IEC 61162 series:		
	—	IMO Res.MSC.148(77),	IEC 61162-1:2016		
	—	IMO Res. MSC.302(87),	IEC 61162-2 Ed.1.0:1998-09		
	—	IMO COMSAR/ Circ.32,	IEC 61162-3 Ed.1.2		
	—	ITU-R M.540-2 (06/90),	Consol. with A1 Ed. 1.0:2010-11		
	—	ITU-R M.625-4 (03/12).	and A2 Ed. 1.0:2014-07		
	—		IEC 61162-450:2018,		
	—		IEC 61097-6:2012-01+A1:2011+A2:2019,		
	—		IEC 62923-1:2018,		
	—		IEC 62923-2:2018.		
MED/5.4 EGC receiver Row 1 of 5	Type approval requirements	—	EN 60945-1:2002 incl. B+F	B+D B+F	21.3.2019 (III)
	—	SOLAS 74 Reg. IV/14,	IEC 60945 Corr. 1:2008,		
	—	SOLAS 74 Reg. X/3,	ETSI ETS 300 460		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	Ed.1:1996-05, ETSI ETS 300 460/ A1:1997-11,		
	—	IMO Res.MSC.97(73) (2000 HSC	ETSI EN 300 829 V1.1,1:1998-03,		

Status: This is the original version (as it was originally adopted).

	Code)	—	ETSI			
	14.		EN			
	Carriage and performance requirements		301			
			843-1			
			V1.3.1:2012-08.			
	—	Or:				
	SOLAS	—	IEC			
	74		60945:2002			
	Reg. IV/7,		incl.			
	—	SOLAS	IEC			
	74		60945			
	Reg. X/3,		Corr.			
	—	IMO	1:2008,			
	Res.A.570(14),		IEC			
	—	IMO	61097-4:2012.			
	Res.A.694(17),					
	—	IMO				
	Res.MSC.36(63)-					
	(1994					
	HSC					
	Code)					
	14,					
	—	IMO				
	Res.MSC.97(73)-					
	(2000					
	HSC					
	Code)					
	14,					
	—	IMO				
	Res.MSC.306(87),					
	—	IMO				
	COMSAR/					
	Circ.32.					
MED/5.4 EGC receiver Row 2 of 5	Type approval requirements	—	EN	B+D	16.3.2017	1.9.2020 (III)
			60945	5E+0E2		
			incl.	B+F		
	—	SOLAS	IEC			
	74		60945			
	Reg. IV/14,		Corr.			
	—	SOLAS	1:2008,			
	74		ETSI			
	Reg. X/3,		ETS			
	—	IMO	300			
	Res.MSC.36(63)-		460			
	(1994		Ed.1:1996-05,			
	HSC		ETSI			
	Code)		ETS			
	14,		300			
	—		460/			
			A1:1997-11,			

	<p>— IMO Res.MSC.97(73) (2000 HSC Code) 14.</p> <p>Or:</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7, SOLAS 74 Reg. X/3, IMO Res.A.570(14), IMO Res.A.694(17), IMO Res.MSC.36(63)-(1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC Code) 14, IMO Res.MSC.306(87), IMO COMSAR/ Circ.32.</p>	<p>— ETSI EN 301 843-1 V2.1.1:2016-03.</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-4:2012.</p>			
<p>MED/5.4 EGC receiver Row 3 of 5</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994</p>	<p>— EN 60945-1:2002 incl. EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p>	<p>B+D B+F</p>	<p>19.6.2018</p>	<p>29.8.2021 (III)</p>

Status: This is the original version (as it was originally adopted).

—	HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14.	—	EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,
—	Carriage and performance requirements	—	Ed.1:1996-05, ETSI ETS 300 460
—	SOLAS 74 Reg. IV/7, SOLAS 74 Reg. X/3, IMO Res.A.570(14), IMO Res.A.694(17), IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO Res.MSC.306(87), IMO COMSAR/ Circ.32.	—	ETSI ETS 300 460/ A1:1997-11, ETSI EN 301 843-1 V2.1.1:2016-03. Or: IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-4:2012, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06

Status: This is the original version (as it was originally adopted).

				with A1:2016.		
MED/5.4 EGC receiver Row 4 of 5	Type approval requirements	—	EN 60945-1:2008, EN 61162 series:	B+D B+E B+F	13.9.2019	12.8.2023 (III)
	— SOLAS 74 Reg. IV/14,	—	IEC 60945 Corr. 1:2008,			
	— SOLAS 74 Reg. X/3,	—	EN 61162 series:	EN 61162-1:2016		
	— IMO Res.MSC.36(63)-(1994 HSC Code) 14,	—	EN 61162-2:1998	EN 61162-3:2008	A1:2014	
	— IMO Res.MSC.97(73)-(2000 HSC Code) 14.	—	ETSI ETS 300 460 Ed.1:1996-05,	A2:2014		
	Carriage and performance requirements	—	ETSI ETS 300 460/			
	— SOLAS 74 Reg. IV/7,	—	A1:1997-11,			
	— SOLAS 74 Reg. X/3,	—	ETSI EN 301 843-2			
	— IMO Res.A.570(14),	—	V2.2.1:2017-11,			
	— IMO Res.A.694(17),	—	IEC 62923-1:2018,			
	— IMO Or. Res.MSC.36(63)-(1994 HSC Code) 14,	—	IEC 62923-2:2018.			
	— IMO Res.MSC.97(73)-(2000 HSC Code) 14,	—	IEC 60945:2002			
		—	incl. IEC 60945 Corr. 1:2008,			
		—	IEC 61097-4 2012,			

Status: This is the original version (as it was originally adopted).

	—	IMO Res. MSC.302(87), series:	—	IEC 61162		
	—	IMO Res. MSC.306(87),		IEC 61162-1:2016		
	—	IMO COMSAR/ Circ.32.		IEC 61162-2 Ed.1.0:1998-09		
				IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07		
			—	IEC 61162-450:2018,		
			—	IEC 62923-1:2018,		
			—	IEC 62923-2:2018.		
MED/5.4 EGC receiver Row 5 of 5 (NEW ROW)	Type approval requirements	—	EN 60945	B+D B+B2 B+F		12.8.2020
	—	SOLAS 74 Reg. IV/14,	IEC 60945 Corr. 1:2008,			
	—	SOLAS 74 Reg. X/3,	EN 61162 series:			
	—	IMO Res. MSC.36(63)-(1994 HSC Code) 14,	EN 61162-1:2016	EN 61162-2:1998		
	—	IMO Res. MSC.97(73)-(2000 HSC Code) 14.	EN 61162-3:2008 +A1:2010+A2:2014	EN 61162-450:2018,		
	Carriage and performance requirements	—	ETSI ETS 300 460 Ed.1:1996-05,			

—	SOLAS- 74 Reg. IV/7,	ETSI ETS 300 460/	
—	SOLAS 74 —	A1:1997-11, ETSI	
—	Reg. X/3,	EN 301	
—	IMO Res.A.570(14), V2.2.1:2017-11,	843-2	
—	IMO — Res.A.694(17), IEC	EN	
—	IMO Res.MSC.36(63) (1994 HSC Code) Or:	62923-1:2018, EN IEC 62923-2:2018.	
—	IMO Res.MSC.97(73) incl. (2000 HSC Code) 14,	IEC 60945:2002 IEC 60945 Corr. 1:2008,	
—	IMO — Res. MSC.302(87), +A1:2016+A2:2019,	IEC	
—	IMO — Res.MSC.306(87), 162	IEC	
—	IMO COMSAR/ Circ.32.	series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
—		IEC 62923-1:2018,	
—		IEC 62923-2:2018.	

Status: This is the original version (as it was originally adopted).

MED/5.5 HF marine safety information (MSI) equipment (HF NBDP receiver) Row 1 of 3	Type approval requirements	—	EN	B+D		1.9.2020 (III)
			60945	IEC 60945	EN 60945	
		SOLAS 74 Reg. IV/14,	incl.	B+F		
		SOLAS 74 Reg. X/3,	IEC 60945 Corr. 1:2008,			
		SOLAS 74 Reg. X/3,	EN 61162 series:			
		IMO Res.MSC.36(63)- (1994 HSC Code) 14,			EN 61162-1:2011 EN 61162-2:1998 EN 61162-3:2008 EN 61162-450:2011,	
		IMO Res.MSC.97(73)- (2000 HSC Code) 14.	EN 61162 series:			
	Carriage and performance requirements		ETSI ETS 300 067/ A1 Ed.1:1990-11,			
		SOLAS 74 Reg. IV/7,	ETSI ETS 300 067/ A1 Ed.1:1993-10.			
		Or: SOLAS 74 Reg. X/3,	IEC 60945:2002 incl. IEC 60945			
		IMO Res.A.694(17),	Corr. 1:2008,			
		IMO Res.A.699(17),	IEC 61162			
		IMO Res.A.700(17),	series:			
		IMO Res.A.806(19),		IEC 61162-1 Ed.4.0:2010-11		
		IMO Res.MSC.36(63)- (1994 HSC Code) 14,		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2		
		IMO Res.MSC.97(73)- (2000 HSC		Consol. with A1 Ed.		

		Code)		1.0:2010-11		
	—	14, IMO MSC.1/ Circ.1460,		and A2 Ed. 1.0:2014-07		
	—	IMO COMSAR/ Circ.32,		IEC 61162-450 Ed.1.0:2011-06,		
	—	ITU- R M.492-6 (10/95),	ETSI ETS 300 067			
	—	ITU- R M.540-2 (06/90),	Ed.1:1990-11, ETSI ETS 300			
	—	ITU- R M.625-4 (03/12),	067/ A1 Ed.1:1993-10.			
	—	ITU- R M.688 (06/90).				
MED/5.5 HF marine safety information (MSI) equipment (HF NBDP receiver) Row 2 of 3	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B0B2 B+F	19.6.2018	29.8.2021 (III)
	—	SOLAS 74 Reg. IV/14,				
	—	SOLAS- 74 Reg. X/3,		EN 61162-1:2016		
	—	IMO Res.MSC.36(63)- (1994 HSC Code)		EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014		
	—	IMO Res.MSC.97(73)- (2000 HSC Code)		EN 61162-450:2011+A1:2016,		
	Carriage and performance requirements	—	ETSI ETS 300 067 Ed.1:1990-11,			
	—	SOLAS 74	ETSI ETS 300 067/			

Status: This is the original version (as it was originally adopted).

		—	Reg. IV/7, SOLAS/74	A1 Ed.1:1993-10, IEC 60945:2002		
		—	Reg. X/3, IMO Res.A.694(17), 60945	incl. IEC 60945:2002		
		—	IMO Res.A.699(17), 1:2008,	IEC		
		—	IMO Res.A.700(17), 61162	series:		
		—	IMO Res.A.806(19),	IEC 61162-1:2016		
		—	IMO Res.MSC.36(63)-(1994 HSC Code)	IEC 61162-2 Ed.1.0:1998-09		
		—	IMO Res.MSC.97(73)-(2000 HSC Code)	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11		
		—	IMO MSC.1/Circ.1460,	A2 Ed. 1.0:2014-07		
		—	IMO COMSAR/Circ.32,	IEC 61162-450		
		—	ITU-R M.492-6 (10/95),	Ed.1.0:2011-06 with A1:2016,		
		—	ITU-R M.540-2 (06/90),	ETSI ETS 300 067 Ed.1:1990-11,		
		—	ITU-R M.625-4 (03/12),	ETSI ETS 300 067/		
		—	ITU-R M.688 (06/90).	A1 Ed.1:1993-10.		
MED/5.5 HF marine safety information	Type approval requirements	—	EN 60945-1:2002 incl. IEC	B+D B+F	13.9.2019	

(MSI) equipment (HF NBDP receiver) Row 3 of 3	—	SOLAS 74 Reg. IV/14,	60945 Corr. 1:2008, EN	
	—	SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14.	61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, ETSI ETS 300 067 Ed.1:1990-11, ETSI ETS 300 067/ A1 Ed.1:1993-10, EN IEC 62923-1:2018, EN IEC 62923-2:2018.	
	—	Carriage and performance requirements	Ed.1:1990-11, ETSI ETS 300 067/ A1 Ed.1:1993-10, EN IEC 62923-1:2018, EN IEC 62923-2:2018.	
	—	SOLAS 74 Reg. IV/7,	EN IEC 62923-1:2018, EN IEC 62923-2:2018.	
	—	IMO Res.A.694(17), Or: IMO Res.A.699(17),	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2	
	—	IMO Res.A.700(17),	IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2	
	—	IMO Res.A.806(19),	IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2	
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14,	IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2	
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,	IEC 60945 Corr. 1:2008, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2	

Status: This is the original version (as it was originally adopted).

	—	IMO Res. MSC.302(87),		Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
	—	IMO MSC.1/Circ.1460,			
	—	IMO COMSAR/Circ.32,			
	—	ITU-R M.492-6 (10/95),	ETSI ETS 300 067		
	—	ITU-R M.540-2 (06/90),	Ed.1:1990-11, ETSI		
	—	ITU-R M.625-4 (03/12),	ETS 300 067/ A1		
	—	ITU-R M.688 (06/90),	Ed.1:1993-10, IEC 62923-1:2018, IEC 62923-2:2018.		
MED/5.6 406 MHz EPIRB (COSPAS-SARSAT) Row 1 of 1	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F		
	—	SOLAS 74 Reg. IV/14,	Note: IMO MSC/ Circ.862		
	—	SOLAS 74 Reg. X/3,	is applicable only to the		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	optional remote activation device, not to		
	—	IMO Res.MSC.97(73) (2000 HSC Code) 14.	the EPIRB itself. EN 60945:2002		
	Carriage and performance requirements		incl. IEC 60945		

—	SOLAS 74 Reg. — IV/7, IMO Res.A.662(16), IMO Res.A.664(17), IMO — Res.A.696(17), IMO Res.A.810(19), IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Res.MSC.97(73) (2000 HSC Code) 14, IMO MSC/ Circ.862, IMO COMSAR/ Circ.32, ITU- R M.633-4 (12/10), ITU- R M.690-3 (03/15).	Corr. 1:2008, ETSI EN 300 066 V1.3.1:2001-01. IMO MSC/ Circ.862, Note: IMO MSC/ Circ.862 is applicable only to the optional remote activation device, not to the EPIRB itself. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-2 ed3.0:2008.		
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Item MED/5.7, L band EPIRB (INMARSAT), - deliberately left blank.

Item MED/5.8, MF DSC Receiver, - deliberately left blank.

Item MED/5.9, Two-tone alarm generator, - deliberately left blank.

MED/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74	— IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945		21.3.2019 (III)
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Status: This is the original version (as it was originally adopted).

and ITU decisions, the requirements for Two Tone Alarm generator and transmission on H3E are no longer applicable in the testing standards. Row 1 of 5	—	Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 14,	Corr. 1:2008, EN 162 series, ETSI EN 300 338-1	
	—	IMO Res.MSC.97(73) (2000 HSC Code) 14.	V1.3.1:2010-02, ETSI EN 300 338-2	
	—	Carriage and performance requirements	V1.3.1:2010-02, ETSI EN 300 373-1	
	—	SOLAS 74 Reg. IV/9,	V1.4.1:2013-09, ETSI EN 301 843-5	
	—	SOLAS 74 Reg. IV/10,	V1.1.1:2004-06.	
	—	IMO Res.A.694(17),		
	—	IMO Res.A.804(19),		
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 14,		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,		
	—	IMO MSC.1/ Circ.1460,		
	—	IMO COMSAR/ Circ.32,		
	—	ITU-R M.493-13 (10/09),		

	—	ITU-R M.541-9 (05/04).				
MED/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on H3E are no longer applicable in the testing standards. Row 2 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2011 EN 61162-2:1998 EN 61162-3:2008 EN 61162-450:2011,	16.3.2017	1.9.2020 (III)	
	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, —	IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) —			
	Carriage and performance requirements	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V2.1.1:2016-03.			
	—	SOLAS 74 Reg. IV/9, SOLAS 74 Reg. IV/10, IMO Res.A.694(17), IMO Res.A.804(19), IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC				

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	Code) 14, IMO MSC.1/ Circ.1460, IMO COMSAR/ Circ.32, ITU- R M.493-14 (09/15), ITU- R M.541-10 (10/15), ITU- R M.1173-1 (03/12).				
MED/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on H3E are no longer applicable in the testing standards. Row 3 of 5	Type approval requirements — SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63) (1994 HSC Code) 14, — IMO Res.MSC.97(73)- (2000 HSC Code) 14. — Carriage and performance requirements — SOLAS 74 Reg. IV/9, — SOLAS 74	— IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011)+A1:2016, — ETSI EN 300 338-1 V1.4.1:2017-02, — ETSI EN 300 338-2 V1.4.1:2017-02,		19.6.2018	29.8.2021 (III)

		—	Reg. IV/10, SOLAS 74	—	ETSI EN 300 373-1		
		—	Reg. X/3, IMO Res.A.694(17), IMO Res.A.804(19), IMO Res.MSC.36(63)-(1994 HSC Code) 14,	—	ETSI EN 301 843-5	V1.4.1:2013-09,	
		—	IMO Res.MSC.97(73)-(2000 HSC Code) 14,				
		—	IMO MSC.1/Circ.1460,				
		—	IMO COMSAR/Circ.32,				
		—	ITU-R M.493-14 (09/15),				
		—	ITU-R M.541-10 (10/15),				
		—	ITU-R M.1173-1 (03/12).				
MED/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the requirements	Type approval requirements	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3,	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008,		12.8.2023 (III)

Status: This is the original version (as it was originally adopted).

for Two Tone Alarm generator and transmission on H3E are no longer applicable in the testing standards. Row 4 of 5	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	—	EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018,	
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018,	
	Carriage and performance requirements	—	ETSI EN 300 338-1		
	—	SOLAS 74 Reg. IV/9,	—	ETSI EN 300 338-2	V1.4.2:2017-11,
	—	SOLAS 74 Reg. IV/10,	—	ETSI EN 300 338-2	V1.4.1:2017-02,
	—	SOLAS 74 Reg. X/3,	—	ETSI EN 300 373-1	V1.4.1:2013-09,
	—	IMO Res.A.694(17),	—	ETSI EN 301 843-2	
	—	IMO Res.A.804(19),	—	ETSI EN 301 843-2	V2.2.1:2017-11,
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	—	IEC 62923-1:2018, IEC 62923-2:2018.	
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,	Or: —	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,	
	—	IMO Res. MSC.302(87),	—	IEC 61097-3: 2017,	
	—	IMO MSC.1/ Circ.1460,	—	IEC 61097-9: 1997, IEC 61162 series:	

	—	IMO COMSAR/ Circ.32,		IEC 61162-1:2016	
	—	ITU- R M.493-14 (09/15),		IEC 61162-2 Ed.1.0:1998-09	
	—	ITU- R M.541-10 (10/15),		IEC 61162-3 Ed.1.2 Consol. with A1	
	—	ITU- R M.1173-1 (03/12).		Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
			—	IEC 61162-450:2018,	
			—	IEC 62923-1:2018,	
			—	IEC 62923-2:2018.	
MED/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on H3E are no longer applicable in the testing standards. Row 5 of 5 (NEW ROW)	Type approval requirements	—	IMO B+D MSC/B+E Circ.862-F		12.8.2020
	—	SOLAS- 74 Reg. IV/14,	EN 60945:2002 incl. IEC 60945 Corr. 1:2008,		
	—	SOLAS 74 Reg. X/3,	EN 61162		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.	+A2:2014 EN IEC 61162-450:2018,		
	Carriage and performance requirements	—	ETSI EN 300 338-1		
	—	SOLAS 74	V1.5.1:2019-09,		

				Ed. 1.0:2014-07 IEC 61162-450:2018,	
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/5.11 MF DSC watch- keeping receiver Row 1 of 5	Type approval requirements	—	EN 60945:2002 incl. B+F	B+D B+F	21.3.2019 (III)
	— SOLAS 74 Reg. IV/14,	—	IEC 60945 Corr. 1:2008,		
	— SOLAS 74 Reg. X/3,	—	EN 61162 series, ETSI		
	— IMO Res.MSC.36(63) (1994 HSC Code) 14,	—	EN 338-1 V1.3.1:2010-02, ETSI		
	— IMO Res.MSC.97(73) (2000 HSC Code) 14.	—	EN 338-2 V1.3.1:2010-02, ETSI		
	Carriage and performance requirements	—	EN 301 033 V1.4.1:2013-09, ETSI		
	— SOLAS 74 Reg. IV/9,	—	EN 843-5 V1.1.1:2004-06.		
	— SOLAS 74 Reg. IV/10,	—			
	— SOLAS 74 Reg. X/3,	—			
	— IMO Res.A.694(17),	—			
	— IMO Res.A.804(19),	—			
	— IMO Res.MSC.36(63)-	—			

Status: This is the original version (as it was originally adopted).

		(1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC Code) 14, IMO COMSAR/Circ.32, ITU-R M.493-13 (10/09), ITU-R M.541-9 (05/04), ITU-R M.1173-1 (03/12).				
MED/5.11 MF DSC watch-keeping receiver Row 2 of 5	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008, EN 61162 series:	B+D B+F	16.3.2017	1.9.2020 (III)
	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 14, IMO Res.MSC.97(73)-(2000 HSC Code) 14.	EN 60945 IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2011 EN 61162-2:1998 EN 61162-3:2008 EN 61162-450:2011,			
	Carriage and performance requirements	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300			

Status: This is the original version (as it was originally adopted).

—	Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 14,	—	EN 61162 series:	
—	IMO Res.MSC.97(73)-(2000 HSC Code) 14.	—	EN 61162-1 2016, EN 61162-2:1998, EN 61162-3:2008 +A1:2010+A2:2014, EN 61162-450:2011+A1:2016,	
	Carriage and performance requirements	—	ETSI EN 300 338-1	
—	SOLAS 74 Reg. IV/9, SOLAS 74	—	ETSI EN 300 338-2	V1.4.1:2017-02,
—	SOLAS 74 Reg. IV/10, SOLAS 74	—	ETSI EN 301 033	V1.4.1:2017-02,
—	Reg. X/3, IMO Res.A.694(17), IMO Res.A.804(19), IMO Res.MSC.36(63)-(1994 HSC Code) 14,	—	ETSI EN 301 843-5	V1.4.1:2013-09,
—	IMO Res.MSC.97(73)-(2000 HSC Code) 14,	—	ETSI EN 301 843-5	V2.1.1:2016-03.
—	IMO COMSAR/ Circ.32, ITU-R M.493-14 (09/15),	—		

	—	ITU-R M.541-10 (10/15),			
	—	ITU-R M.1173-1 (03/12).			
MED/5.11 MF DSC watch-keeping receiver Row 4 of 5	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008,	B+D B+F	12.8.2023 (III)
	—	SOLAS 74 Reg. IV/14,	EN 61162 series:		
	—	SOLAS 74 Reg. X/3,		EN 61162-1:2016	
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 14,	EN 61162-2:1998	EN 61162-3:2008 +A1:2010+A2:2014	
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 14.	IEC 61162-450:2018,		
	Carriage and performance requirements	—	ETSI EN 300 338-1 V1.4.2:2017-11,		
	—	SOLAS 74 Reg. IV/9,	ETSI EN 301 033 V1.4.1:2017-02,		
	—	SOLAS 74 Reg. IV/10,	EN 301 033 V1.4.1:2013-09,		
	—	SOLAS 74 Reg. X/3,	ETSI EN 843-5 V2.2.1:2017-11,		
	—	IMO Res.A.694(17),	IEC 62923-1:2018,		
	—	IMO Res.A.804(19),	IEC 62923-2:2018.		
	—	Or Res.MSC.36(63)-			

Status: This is the original version (as it was originally adopted).

		(1994 — HSC Code) 14, IMO Res.MSC.97(73) (2000 HSC — Code) 14, IMO — Res. MSC.302(87), IMO COMSAR/ Circ.32, ITU- R M.493-14 (09/15), ITU- R M.541-10 (10/15), ITU- R M.1173-1 (03/12).	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-3: 2017, IEC 61097-8:1998, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 62923-1:2018, IEC 62923-2:2018.		
MED/5.11 MF DSC watch- keeping receiver Row 5 of 5 (NEW ROW)	Type approval requirements	— SOLAS 74 Reg. IV/14, SOLAS- 74 Reg. X/3, IMO Res.MSC.36(63)- (1994	EN 60945:2002 incl. B+F IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998		12.8.2020

—	HSC Code) 14, IMO Res.MSC.97(73)-(2000	EN 61162-3:2008 +A1:2010+A2:2014
—	HSC Code) 14.	EN IEC 61162-450:2018,
—	Carriage and performance requirements	ETSI EN 300 338-1 V1.5.1:2019-09,
—	SOLAS 74 Reg. IV/9,	ETSI EN 300 338-2 V1.4.1:2017-02,
—	SOLAS 74 Reg. IV/10,	ETSI EN 301 033 V1.4.1:2013-09,
—	SOLAS 74 Reg. X/3,	ETSI EN 301 843-5 V2.2.1:2017-11,
—	IMO Res.A.694(17),	EN 62923-1:2018,
—	IMO Res.A.804(19),	EN 62923-2:2018.
—	IMO Res.MSC.36(63) (1994	IEC 60945:2002
—	HSC Code) Or: 14, IMO Res.MSC.97(73) (2000	IEC 60945
—	HSC Code) 14,	IEC 60945 Corr. 1:2008,
—	IMO Res. MSC.302(87),	IEC 61097-3: 2017,
—	IMO COMSAR/	IEC 61097-8:1998,
—	Circ.32,	IEC 61162
—	ITU-R M.493-15 (01/19),	IEC 61162-1:2016
—	ITU-R	IEC 61162-2 Ed.1.0:1998-09

Status: This is the original version (as it was originally adopted).

	—	M.541-10 (10/15), ITU- R M.1173-1 (03/12).	—	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 62923-1:2018, IEC 62923-2:2018.		
MED/5.12 Inmarsat-B SES this item has been deleted as Inmarsat-B SES Service has been discontinued on 31 December 2016.						
MED/5.13 Inmarsat-C SES Row 1 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series, ETSI ETS 300 460 Ed.1:1996-05, ETSI ETS 300 460/ A1:1997-11, ETSI EN 300 829 V1.1,1:1998-03, ETSI EN 301			21.3.2019 (III)
	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Res.MSC.97(73) (2000 HSC Code) 14.	—			
	Carriage and performance requirements	—				
	—	SOLAS 74 Reg. IV/10,	—			

	—	SOLAS 74 Reg. X/3,	843-1 V1.3.1:2012-08. Or: IEC		
	—	IMO Res.A.570(14), incl.	60945:2002		
	—	IMO Res.A.664(16),	IEC 60945		
		Note for Res. A.644(16): applicable only if the Inmarsat C SES supports EGC functions.	Corr. 1:2008, IEC 61097-4:2012, IEC 61162 Series.		
	—	IMO Res.A.694(17),			
	—	IMO Res.A.807(19),			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 14,			
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,			
	—	IMO Res.MSC.306(87),			
	—	IMO MSC/ Circ.862,			
	—	IMO COMSAR/ Circ.32.			
MED/5.13 Inmarsat-C SES Row 2 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008,	16.3.2017	1.9.2020 (III)
	—	SOLAS 74 Reg. IV/14,			
	—	SOLAS 74 Reg. X/3,			

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—	IMO —	EN	
	Res.MSC.36(63)-	61162	
	(1994	series:	
	HSC	EN	
	Code)	61162-1:2011	
	14,	EN	
—	IMO	61162-2:1998	
	Res.MSC.97(73)-	EN	
	(2000	61162-3:2008	
	HSC	EN	
	Code)	61162-450:2011,	
	14.	—	
		ETSI	
		ETS	
	Carriage and	300	
	performance	460	
	requirements	Ed.1:1996-05,	
—	SOLAS	ETSI	
	74	ETS	
	Reg.	300	
	IV/10,	460/	
—	SOLAS	A1:1997-11,	
	74	—	
	Reg.	ETSI	
	X/3,	EN	
—	IMO	301	
	Res.A.570(14),	843-1	
—	IMO	V2.1.1:2016-03.	
	Res.A.664(16),	Or	
	Note for Res.	IEC	
	A.664(16):	60945:2002	
	applicable	incl.	
	only if the	IEC	
	Inmarsat	60945	
	C SES	Corr.	
	supports EGC	1:2008,	
	functions.	—	
		IEC	
—	IMO	61097-4:2012,	
	Res.A.694(17),	IEC	
—	IMO	61162	
	Res.A.807(19),	series:	
—	IMO	IEC	
	Res.MSC.36(63)-	61162-1	
	(1994	Ed.4.0:2010-11	
	HSC	IEC	
	Code)	61162-2	
	14,	Ed.1.0:1998-09	
—	IMO	IEC	
	Res.MSC.97(73)-	61162-3	
	(2000	Ed.1.2	
	HSC	Consol.	
	Code)	with	
	14.	A1	
		Ed.	
		1.0:2010-11	

	—	IMO Res.MSC.306(87),	and A2		
	—	IMO MSC/Circ.862,	Ed. 1.0:2014-07		
	—	IMO COMSAR/Circ.32.	IEC 61162-450 Ed.1.0:2011-06.		
MED/5.13 Inmarsat-C SES Row 3 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F	19.6.2018	29.8.2021 (III)
	—	SOLAS 74 Reg. IV/14,	EN 60945:2002 incl. IEC 60945		
	—	SOLAS 74 Reg. X/3,	Corr. 1:2008, EN 61162		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	series: EN 61162-1:2016 EN 61162-2:1998		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.	EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,		
	Carriage and performance requirements	—	ETSI ETS 300 460 Ed.1:1996-05,		
	—	SOLAS 74 Reg. IV/10,	ETSI ETS 300 460/ A1:1997-11,		
	—	SOLAS 74 Reg. X/3,	ETSI EN 301 843-1 V2.1.1:2016-03.		
	—	IMO Res.A.570(14),			
	—	IMO Res.A.664(16),			
	Note for Res. A.664(16): applicable only if the Inmarsat C SES	Or	IEC 60945:2002 incl. IEC 60945		

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	supports EGC functions.	—	IMO —	Corr. 1:2008, IEC Res.A.694(17), 61097-4:2012,		
		—	IMO —	IEC Res.A.807(19), 61162		
		—	IMO	series:		
		—	Res.MSC.36(63)-(1994 HSC Code) 14,	IEC 61162-1:2016		
		—	IMO Res.MSC.97(73)-(2000 HSC Code) 14,	IEC 61162-2 Ed.1.0:1998-09		
		—	IMO Res.MSC.306(87),	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11		
		—	IMO MSC/ Circ.862,	and A2 Ed. 1.0:2014-07		
		—	IMO COMSAR/ Circ.32.	IEC 61162-450 Ed.1.0:2011-06 with A1:2016.		
MED/5.13 Inmarsat-C SES Row 4 of 5	Type approval requirements	—	SOLAS 74 Reg. IV/14,	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945		12.8.2023 (III)
		—	SOLAS 74 Reg. X/3,	EN 61162		
		—	IMO Res.MSC.36(63)-(1994 HSC Code) 14,	series: EN 61162-1:2016		
		—	IMO Res.MSC.97(73)-(2000 HSC Code) 14.	EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018,		

Carriage and performance requirements	—	ETSI ETS 300 460	
— SOLAS 74 Reg. IV/10, SOLAS 74 Reg. X/3, IMO Res.A.570(14), IMO Res.A.664(16), Note for Res. A.664(16): applicable only if the Inmarsat C SES supports EGC functions.	—	Ed.1:1996-05, ETSI ETS 300 460/A1:1997-11, ETSI EN 301 843-1, V2.2.1:2017-11, IEC 62923-1:2018, IEC 62923-2:2018.	
—	Or:	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-4:2012, IEC 61162 series:	
— IMO Res.A.694(17), IMO Res.A.807(19), IMO Res.MSC.36(63) (1994 HSC Code) 14,	—	IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,	
— IMO Res.MSC.97(73)-(2000 HSC Code) 14,	—		
— IMO Res. MSC.302(87),	—		
— IMO Res.MSC.306(87),	—		
— IMO MSC/ Circ.862,	—		
— IMO COMSAR/ Circ.32.	—		

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		—	IEC 62923-1:2018, — IEC 62923-2:2018.		
MED/5.13 Inmarsat-C SES Row 5 of 5 (NEW ROW)	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 Res.MSC.36(63) series: (1994 HSC Code) 14, — IMO Res.MSC.97(73)- (2000 HSC Code) 14.		12.8.2020
	Carriage and performance requirements	—	ETSI ETS 300 460 Ed.1:1996-05, — ETSI ETS 300 460/ A1:1997-11, — ETSI EN 301 843-1 — V2.2.1:2017-11, EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. — IMO Res.A.694(17),		
	Note for Res. A.664(16): applicable only if the Inmarsat C SES supports EGC functions.	—			

	—	IMO Res.A.807(19),	IEC 60945		
	—	IMO Res.MSC.36(63):2008, (1994	Corr. IEC 61097-4:2012		
	—	HSC Code) 14,	+A1:2016+A2:2019,		
	—	IMO Res.MSC.97(73) (2000	IEC 61162 series:		
	—	HSC Code) 14,	IEC 61162-1:2016		
	—	IMO Res. MSC.302(87),	IEC 61162-2 Ed.1.0:1998-09		
	—	IMO Res.MSC.306(87),	IEC 61162-3 Ed.1.2		
	—	IMO MSC/ Circ.862,	Consol. with A1		
	—	IMO COMSAR/ Circ.32.	Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07		
	—		IEC 61162-450:2018,		
	—		IEC 62923-1:2018,		
	—		IEC 62923-2:2018.		
MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on A3H are	Type approval requirements	— SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63) (1994	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series, ETSI ETS 300 067 Ed.1:1990-11,		21.3.2019 (III)

Status: This is the original version (as it was originally adopted).

no longer
applicable
in testing
standards.
Row 1 of 5

—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.	—	ETSI ETS 300 067/ A1 Ed.1:1993-10, ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	Carriage and performance requirements	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	SOLAS 74 Reg. IV/10, SOLAS 74 Reg. X/3, IMO Res.A.694(17), IMO Res.A.806(19), IMO Res.MSC.36(63) (1994 HSC Code) 14,	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	IMO MSC/ Circ.862,	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	IMO MSC.1/ Circ.1460,	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	IMO COMSAR/ Circ.32,	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	ITU- R M.476-5 (10/95),	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	ITU- R M.492-6 (10/95),	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		
—	ITU- R	—	ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.		

		—	M.493-13 (10/09), ITU- R M.541-9 (05/04), ITU- R M.625-4 (03/12), ITU- R M.1173-1 (03/12).			
MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on A3H are no longer applicable in testing standards. Row 2 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2011 EN 61162-2:1998 EN 61162-3:2008 EN 61162-450:2011,	16.3.2017	1.9.2020 (III)	
	Carriage and performance requirements	—	ETSI ETS 300 067 Ed.1:1990-11, ETSI ETS 300 067/ A1 Ed.1:1993-10, ETSI EN 300 338-1 V1.3.1:2010-02,			
	—	—	SOLAS 74 Reg. IV/10, SOLAS 74 Reg. X/3, IMO Res.A.694(17), IMO Res.A.806(19),			

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	—	IMO Res. MSC.36(63) (1994 HSC Code) 14,	—	ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 300 373-1 V1.4.1:2013-09, ETSI EN 301 843-5 V2.1.1:2016-03.		
	—	IMO MSC.1/ Circ.1460,				
	—	IMO COMSAR/ Circ.32,				
	—	ITU-R M.476-5 (10/95),				
	—	ITU-R M.492-6 (10/95),				
	—	ITU-R M.493-14 (09/15),				
	—	ITU-R M.541-10 (10/15),				
	—	ITU-R M.625-4 (03/12),				
	—	ITU-R M.1173-1 (03/12).				
MED/5.14 MF/HF radio capable of transmitting and receiving DSC,	Type approval requirements	— SOLAS 74 Reg. IV/14,	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC		19.6.2018	29.8.2021 (III)

NBBDP and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on A3H are no longer applicable in testing standards. Row 3 of 5	—	SOLAS 74 Reg. X/3,	60945 Corr. 1:2008, EN	
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	61162 series: EN 61162-1:2016 EN 61162-2:1998	
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.	61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,	
	—	ETSI ETS 300 067	Ed.1:1990-11,	
	—	SOLAS 74 Reg. IV/10,	ETSI ETS 300 067/	
	—	SOLAS 74 Reg. X/3,	A1 Ed.1:1993-10,	
	—	IMO Res.A.694(17), 338-1	ETSI EN 300 338-1	
	—	IMO Res.A.806(19),	V1.4.1:2017-02,	
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	ETSI EN 300 338-2	
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,	V1.4.1:2017-02,	
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14,	ETSI EN 300 373-1	
	—	IMO MSC/ Circ.862,	V1.4.1:2013-09,	
	—	IMO MSC.1/ Circ.1460,	ETSI EN 301 843-5	
	—	IMO COMSAR/ Circ.32,	V2.1.1:2016-03.	

Status: This is the original version (as it was originally adopted).

	—	ITU-R M.476-5 (10/95),			
	—	ITU-R M.492-6 (10/95),			
	—	ITU-R M.493-14 (09/15),			
	—	ITU-R M.541-10 (10/15),			
	—	ITU-R M.625-4 (03/12),			
	—	ITU-R M.1173-1 (03/12).			
MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on A3H are no longer applicable in testing standards. Row 4 of 5	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F		12.8.2023 (III)
	—	SOLAS 74 Reg. IV/14,	EN 60945:2002 incl. IEC 60945		
	—	SOLAS 74 Reg. X/3,	Corr. 1:2008, EN 61162		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018,		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.	ETSI ETS 300 067 Ed.1:1990-11,		
	Carriage and performance requirements	—			
	—	SOLAS 74			

	Reg. —	ETSI	
	IV/10,	ETS	
—	SOLAS	300	
	74	067/	
	Reg.	A1	
	X/3,	Ed.1:1993-10,	
—	IMO —	ETSI	
	Res.A.694(17),	EN	
—	IMO	300	
	Res.A.806(19),	338-1	
—	IMO	V1.4.2:2017-11,	
	Res.MSC.36(63)	ETSI	
	(1994	EN	
	HSC	300	
	Code)	338-2	
	14,	V1.4.1:2017-02,	
—	IMO —	ETSI	
	Res.MSC.97(73)	EN	
	(2000	300	
	HSC	373-1	
	Code)	V1.4.1:2013-09,	
	14,	ETSI	
—	IMO	EN	
	Res.	301	
	MSC.302(87),	843-5	
—	IMO	V2.2.1:2017-11,	
	MSC/—	IEC	
	Circ.862,	62923-1:2018,	
—	IMO —	IEC	
	MSC.1/	62923-2:2018.	
	Circ.1060,		
—	IMO —	IMO	
	COMSAR/	MSC/	
	Circ.32,	Circ.862,	
—	ITU- —	IEC	
	R	60945:2002	
	M.476-5	incl.	
	(10/95),	IEC	
—	ITU-	60945	
	R	Corr.	
	M.492-6	1:2008,	
	(10/95),	IEC	
—	ITU-	61097-3:	
	R	2017,	
	M.493-14	IEC	
	(09/15),	61097-9:	
—	ITU-	1997,	
	R —	IEC	
	M.541-10	61162	
	(10/15)	series:	
		IEC	
		61162-1:2016	

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	—	ITU-R M.625-4 (03/12),		IEC 61162-2 Ed.1.0:1998-09	
	—	ITU-R M.1173-1 (03/12).		IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
	—		IEC 62923-1:2018,	IEC 61162-450:2018,	
	—		IEC 62923-2:2018.		
MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on A3H are no longer applicable in testing standards. Row 5 of 5 (NEW ROW)	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F		12.8.2020
	—	SOLAS 74 Reg. IV/14,	EN 60945:2002 incl. IEC 60945		
	—	SOLAS 74 Reg. X/3,	Corr. 1:2008,		
	—	IMO Res.MSC.36(63) (1994 HSC Code) 14,	EN 61162 series: EN 61162-1:2016 EN 61162-2:1998		
	—	IMO Res.MSC.97(73)- (2000 HSC Code) 14.	EN 61162-3:2008 +A1:2010+A2:2014		
	Carriage and performance requirements	—	ETSI ETS 300 067		
	—	SOLAS 74 Reg. IV/10,	Ed.1:1990-11,		
			ETSI ETS 300		

—	SOLAS	067/	
	74	A1	
	Reg.	Ed.1:	1993-10,
	X/3,	—	ETSI
—	IMO	EN	
	Res.A.694(17),	300	
—	IMO	338-1	
	Res.A.806(19),	V1.5.1:	2019-09,
—	IMO	—	ETSI
	Res.MSC.36(63)	EN	
	(1994	300	
	HSC	338-2	
	Code)	V1.4.1:	2017-02,
	14,	—	ETSI
—	IMO	EN	
	Res.MSC.97(73)	300	
	(2000	373-1	
	HSC	V1.4.1:	2013-09,
	Code)	—	ETSI
	14,	EN	
—	IMO	301	
	Res.	843-5	
	MSC.302(87),	V2.2.1:	2017-11,
—	IMO	—	EN
	MSC/	IEC	
	Circ.862,	62923-1:	2018,
—	IMO	—	EN
	MSC.1/	IEC	
	Circ.1460,	62923-2:	2018.
—	IMO Or:		
	COMSAR/	IMO	
	Circ.32,	MSC/	
—	ITU-	Circ.862,	
	R	—	IEC
	M.476-5	60945:	2002
	(10/95),	incl.	
—	ITU-	IEC	
	R	60945	
	M.492-6	Corr.	
	(10/95),	1:	2008,
—	ITU-	—	IEC
	R	61097-3:	
	M.493-15	2017,	
	(01/19),	—	IEC
—	ITU-	61097-9:	
	R	1997,	
	M.541-40	IEC	
	(10/15)	61162	
—	ITU-	series:	
	R		IEC
	M.625-4		61162-1:
	(03/12),		2016

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	—	ITU-R M.1173-1 (03/12).		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.	
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 1 of 5	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63) (1994 HSC Code) 14, — IMO Res.MSC.97(73) (2000 HSC Code) 14. Carriage and performance requirements — SOLAS 74 Reg. IV/10, Or:	— EN 60945 incl. IEC 60945 Corr. 1:2008, — EN 61162 series, ETSI EN 300 338-1 V1.3.1:2010-02, ETSI EN 300 338-2 V1.3.1:2010-02, ETSI EN 301 033 V1.4.1:2013-09, ETSI EN 301 843-5 V1.1.1:2004-06.	B+D B+F		21.3.2019 (III)

Status: This is the original version (as it was originally adopted).

	Code)	338-1	
	14.	V1.3.1:2010-02,	
Carriage and performance requirements	—	ETSI EN 300 338-2	
—	SOLAS 74 Reg. IV/10,	V1.3.1:2010-02,	
—	SOLAS 74 Reg. X/3,	ETSI EN 301 033	
—	IMO Res.A.694(17),	V1.4.1:2013-09,	
—	IMO Res.A.806(19),	ETSI EN 301 843-5	
—	IMO Or. Res.MSC.36(63) (1994)	V2.1.1:2016-03.	
—	HSC Code) 14,	IEC 60945:2002	
—	IMO Res.MSC.97(73) (2000)	incl. IEC 60945 Corr. 1:2008,	
—	HSC Code) 14,	IEC 61097-3:1994,	
—	IMO COMSAR/ Circ.32,	IEC 61097-8:1998,	
—	ITU-R M.493-14 (09/15),	IEC 61162 series:	
—	ITU-R M.541-10 (10/15),	IEC 61162-1 Ed.4.0:2010-11	
—	ITU-R M.1173-1 (03/12).	IEC 61162-2 Ed.1.0:1998-09	
		IEC 61162-3 Ed.1.2	
		Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	
		IEC 61162-450 Ed.1.0:2011-06.	

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MED/5.15 MF/HF DSC scanning watch keeping receiver Row 3 of 5	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res.MSC.36(63)- (1994 HSC Code) 14, — IMO Res.MSC.97(73)- (2000 — HSC Code) 14.	— EN 60945:2002 incl. B+D IEC 60945 Corr. 1:2008, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — ETSI EN 300 338-1 V1.4.1:2017-02, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.1.1:2016-03. — Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-3:1994, — IEC 61097-8:1998,	B+D B+F	19.6.2018	29.8.2021 (III)
Carriage and performance requirements — SOLAS 74 Reg. IV/10, — SOLAS 74 Reg. X/3, — IMO Res.A.694(17), — IMO Res.A.806(19), — IMO Res.MSC.36(63)- (1994 HSC Code) 14, — IMO Res.MSC.97(73)- (2000 — HSC Code) 14,	— EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.1.1:2016-03. — Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-3:1994, — IEC 61097-8:1998,	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.1.1:2016-03. — Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-3:1994, — IEC 61097-8:1998,			

—	SOLAS 74 Reg. — IV/10,	338-2 V1.4.1:2017-02, ETSI EN	
—	SOLAS 74 Reg. — X/3,	301 033 V1.4.1:2013-09, ETSI	
—	IMO Res.A.694(17),	EN 301	
—	IMO Res.A.806(19),	843-5 V2.2.1:2017-11,	
—	IMO — Res.MSC.36(63) (1994 — HSC Code) Or: 14, —	IEC 62923-1:2018, IEC 62923-2:2018.	
—	IMO Res.MSC.97(73) (2000 HSC Code) 14, —	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,	
—	IMO — Res. MSC.302(87),	IEC 61097-3: 2017,	
—	IMO — COMSAR/ Circ.32,	IEC 61097-8:1998, IEC	
—	ITU- R M.493-14 (09/15),	61097-9: 1997, IEC 61162	
—	ITU- R M.541-10 (10/15),	series: IEC 61162-1:2016 IEC 61162-2	
—	ITU- R M.1173-1 (03/12).	Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	

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				IEC 61162-450:2018,	
		—	IEC 62923-1:2018,		
		—	IEC 62923-2:2018.		
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 5 of 5 (NEW ROW)	Type approval requirements	—	EN 60945:2002 incl. B+F	B+D B+F	12.8.2020
	— SOLAS 74 Reg. IV/14, SOLAS-	—	IEC 60945 Corr. 1:2008, EN 61162 series:		
	— X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC	—	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+	A2:2014
	Code) 14. Carriage and performance requirements	—	ETSI EN 300 338-1 V1.5.1:2019-09, ETSI EN 300 338-2 V1.4.1:2017-02, ETSI EN 301 033 V1.4.1:2013-09, ETSI EN 301 843-5 V2.2.1:2017-11, EN IEC 62923-1:2018, EN IEC 62923-2:2018.		
	— SOLAS 74 Reg. IV/10, SOLAS	—	EN 300 338-2 V1.4.1:2017-02, ETSI EN 301 033 V1.4.1:2013-09, ETSI EN 301 843-5 V2.2.1:2017-11, EN IEC 62923-1:2018, EN IEC 62923-2:2018.		
	— X/3, IMO Res.A.694(17), IMO Res.A.806(19), IMO Res.MSC.36(63), (1994 HSC Code) 14, IMO Res.MSC.97(73)-	—	EN 300 338-2 V1.4.1:2017-02, ETSI EN 301 033 V1.4.1:2013-09, ETSI EN 301 843-5 V2.2.1:2017-11, EN IEC 62923-1:2018, EN IEC 62923-2:2018.		

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New item inserted by Implementing Regulation (EU) 2020/1170	—	Reg. X/3, IMO Or: Res.MSC.36(63) (1994 HSC Code) 14,	60945 Corr.1:2008. EN 301 688 V1.2.1:2016-03, IEC 60945:2002 incl. IEC 60945 Corr.1:2008.		
	—	Carriage and performance requirements SOLAS 74/2009 Reg. IV/7, IMO Res.A.694(17), IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO Res.MSC.80(70), COMSAR/ Circ.32, ICAO Convention, Annex 10, Radio Regulations.			
MED/5.17 Portable survival craft two-way VHF	Type approval requirements — SOLAS 74	—	EN 60945 incl. IEC 60945	B+D B+F	7.12.2018 (III)

radiotelephone apparatus Row 1 of 4	<p>— Reg. IV/14, SOLAS 74</p> <p>— Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 14,</p> <p>— IMO Or: Res.MSC.97(73) (2000 HSC Code) 14.</p>	<p>Corr. 1:2008, ETSI EN 300 225</p> <p>— V1.4.1:2004-12, ETSI EN 301 843-2</p> <p>— V1.2.1:2004-06. IEC 60945:2002 incl. IEC 60945</p> <p>Corr. 1:2008,</p>		
Carriage and performance requirements	<p>— SOLAS 74</p> <p>— Reg. III/6, IMO Res.A.694(17),</p> <p>— IMO Res.A.809(19),</p> <p>— IMO Res.MSC.36(63)- (1994 HSC Code) 8,</p> <p>— IMO Res.MSC.36(63)- (1994 HSC Code) 14,</p> <p>— IMO Res.MSC.97(73)- (2000 HSC Code) 8,</p> <p>— IMO Res.MSC.97(73)- (2000 HSC</p>	<p>— IEC 61097-12:1996.</p>		

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	Code) 14, IMO Res.MSC.149(77), ITU- R M.489-2 (10/95).				
MED/5.17 Portable survival craft two- way VHF radiotelephone apparatus Row 2 of 4	Type approval requirements — SOLAS 74 Reg. IV/14, SOLAS- 74 Reg. X/3, IMO Res.MSC.36(63) (1994 HSC Code) 14, IMO Or: Res.MSC.97(73) (2000 HSC Code) 14. Carriage and performance requirements — SOLAS 74 Reg. III/6, IMO Res.A.694(17), IMO Res.A.809(19), IMO Res.MSC.36(63)- (1994 HSC Code) 8, IMO Res.MSC.36(63)- (1994 HSC	— EN 60945 incl. B+D B+F IEC 60945 Corr. 1:2008, ETSI EN 300 225 V1.5.1:2015-12, ETSI EN 301 843-2 V2.1.0:2015-12. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-12:1996.		16.3.2017	1.3.2019 (III)

		Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 8, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO Res.MSC.149(77), ITU- R M.489-2 (10/95).				
MED/5.17 Portable survival craft two- way VHF radiotelephone apparatus Row 3 of 4	Type approval requirements — SOLAS 74 Reg. IV/14, SOLAS- 74 Reg. X/3, — IMO Res.MSC.36(63) (1994 HSC Code) 14, — IMO Or: Res.MSC.97(73) (2000 HSC Code) 14. Carriage and performance requirements — SOLAS 74 Reg. III/6, — IMO Res.A.694(17),	—	EN 60945 incl. IEC 60945 Corr. 1:2008, ETSI EN 300 225 V1.5.1:2015-12, ETSI EN 301 843-2 V2.1.1:2016-03. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-12:1996 +A1:2017.	B+D B+F	19.6.2018	1.11.2020 (III)

Status: This is the original version (as it was originally adopted).

	—	IMO Res.A.809(19),			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 8,			
	—	IMO Res.MSC.36(63)-(1994 HSC Code) 14,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 8,			
	—	IMO Res.MSC.97(73)-(2000 HSC Code) 14,			
	—	IMO Res.MSC.149(77),			
	—	ITU-R M.489-2 (10/95).			
MED/5.17 Portable survival craft two-way VHF radiotelephone apparatus Row 4 of 4	Type approval requirements	—	EN 60945-1:2002 incl. IEC 60945 Reg. IV/14, SOLAS-74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 14, IMO Or: Res.MSC.97(73)-(2000	B+D B+D B+F	13.9.2017
	—	SOLAS 74 Reg. IV/14, SOLAS-74 Reg. X/3, IMO Res.MSC.36(63)-(1994 HSC Code) 14,	EN 60945 Corr. 1:2008, ETSI EN 300 225 V1.5.1:2015-12, ETSI EN 301 843-2 V2.2.1:2017-11.		
	—	IMO Or: Res.MSC.97(73)-(2000	IEC 60945:2002		

	HSC Code) 14.		incl. IEC 60945		
	Carriage and performance requirements	—	Corr.1:2008, IEC 61097-12: 1996 +A1:2017.		
	— SOLAS 74 Reg. III/6, IMO Res.A.694(17), IMO Res.A.809(19), IMO Res.MSC.36(63)- (1994 HSC Code) 8, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 8, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO Res.MSC.149(77), ITU- R M.489-2 (10/95).				
MED/5.18 Fixed survival craft two- way VHF radiotelephone apparatus Row 1 of 2	Type approval requirements	—	EN 60945 incl. IEC 60945 Corr. 1:2008,	B+D B+F	7.12.2018 (III)

Status: This is the original version (as it was originally adopted).

—	SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14.	ETSI EN 301 466 V1.1.1:2000-10. IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-12: 1996.		
	Carriage and performance requirements			
—	SOLAS 74 Reg. III/6, IMO Res.A.694(17), IMO Res.A.809(19), IMO Res.MSC.36(63)- (1994 HSC Code) 8, IMO Res.MSC.36(63)- (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 8, IMO Res.MSC.97(73)- (2000 HSC Code) 14.			

	—	ITU-R M.489-2 (10/95).			
MED/5.18 Fixed survival craft two-way VHF radiotelephone apparatus Row 2 of 2	Type approval requirements	—	EN 60945:2002 incl. IEC 60945 Corr. 1:2008, ETSI EN 301 466 V1.2.1:2015-12.	B+D B+F	19.6.2018
	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)- (1994 HSC Code) 14,	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-12: 1996 + A1:2017.	
	Carriage and performance requirements	—			
	—	SOLAS 74 Reg. III/6, IMO Res.A.694(17), IMO Res.A.809(19), IMO Res.MSC.36(63)- (1994 HSC Code) 8,			
	—	IMO Res.MSC.36(63)- (1994 HSC Code) 14,			
	—	IMO Res.MSC.97(73)-			

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		(2000 HSC Code) 8, IMO Res.MSC.97(73)-			
		(2000 HSC Code) 14, ITU-R M.489-2 (10/95).			
MED/5.19 Inmarsat-F77 Row 1 of 2	Type approval requirements	—	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-13:2003, EN 61162 series:	19.6.2018	29.8.2021 (I)
	—	SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63)EN (1994 HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14.	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016.		
	Carriage and performance requirements	Or: —	IMO MSC/ Circ.862, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-13:2003, EN 61162 series:		
	—	SOLAS 74 Reg. IV/10, IMO Res.A.570(14), IMO Res.A.694(17), IMO Res.A.808(19), IMO Res.MSC.36(63)-	EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016.		

		(1994 — HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14, IMO MSC/ Circ.862, IMO COMSAR/ Circ.32.	IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450 Ed.1.0:2011-06 with A1:2016.		
MED/5.19 Inmarsat-F77 Row 2 of 2	Type approval requirements	— SOLAS- 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res.MSC.36(63) (1994 — HSC Code) 14, IMO Res.MSC.97(73)- (2000 HSC Code) 14.	IMO B+D MSC/B+E Circ.862,F EN 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-13: 2003, EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,	13.9.2019	
	Carriage and performance requirements				

Status: This is the original version (as it was originally adopted).

	—	SOLAS- 74 Reg. IV/10, — IMO Res.A.570(14), — IMO Or: Res.A.694(17), — IMO Res.A.808(19), — IMO Res.MSC.36(63) (1994 HSC Code) 14, — IMO Res.MSC.97(73) (2000 HSC Code) 14, — IMO Res. MSC.302(87), — IMO MSC/ Circ.862, — IMO COMSAR/ Circ.32.	EN IEC 62923-1:2018, EN IEC 62923-2:2018. IEC MSC/ IEC 60945 Corr. 1:2008, IEC 61097-13: 2003, IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, IEC 62923-1:2018, IEC 62923-2:2018.		
MED/5.20 Fire-fighter's two-way radiotelephone apparatus	Type approval requirements —	— SOLAS 74	EN 60945 incl. IEC 60945	B+D B+F	

New item inserted by Implementing Regulation 2019/1397 Row 1 of 1	—	Reg. II-2/2. SOLAS 74 Reg. II-2/10.	Corr. 1:2008, ETSI EN 301 843-1	
		Carriage and performance requirements	—	V2.2.1:2017-11, ETSI EN 301 843-2
	—	SOLAS 74/2014 Reg. II-2/10.	—	V2.2.1:2017-11, ATEX Directive 2014/34/EU.
	—	IMO Res.A.694(17),	—	UHF portable radios: ETSI EN 300 720
	—	IMO MSC.1Circ 1616, (a)	—	V2.1.1:2017-01, VHF portable radios: ETSI EN 301 178 V.2.2.2 :2017-04.
	—	ITU-R M.489-2 (10/95),	—	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,
	—	ITU-R M.1174-3 (03/15), (b)	—	ETSI EN 301 843-1 V2.2.1:2017-11,
	—	—	—	ETSI EN 301 843-2 V2.2.1:2017-11,
	—	—	Or: —	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,
	—	—	—	ETSI EN 301 843-1 V2.2.1:2017-11,
	—	—	—	ETSI EN 301 843-2 V2.2.1:2017-11,
	—	—	—	ETSI EN 301 843-2 V2.2.1:2017-11,
	—	—	—	ETSI EN 301 843-2 V2.2.1:2017-11,

Status: This is the original version (as it was originally adopted).

		—	ATEX Directive 2014/34/EU.	
		(a)	UHF portable radios:	
		—	ETSI EN 300 720 V2.1.1:2017-01,	
		(b)	VHF portable radios:	
		—	ETSI EN 301 178 V.2.2.2 :2017-04.	
MED/5.21 Integrated communication system (ICS) New item inserted by Implementing Regulation 2019/1397 Row 1 of 1	Type approval requirements	—	IMO B+D MSC/B+E Circ. 862, F	
	— SOLAS 74 Reg. IV/14,	—	EN 60945:2002 incl. IEC 60945	
	— SOLAS 74 Reg. X/3.	—	Corr. 1:2008, EN 61162 series:	
	Carriage and performance requirements			EN 61162-1:2016
	— SOLAS 74 Reg. IV/14,			EN 61162-2:1998
	— SOLAS 74 Reg. X/3,			EN 61162-3:2008 +A1:2010+A2:2014
	— IMO Res.A694(17),			EN 61162-450:2018,
	— IMO Res. A.811(19),			EN 62940:2017,
	— IMO Res.MSC.36(63) (1994 HSC			EN 61924-2:2013 incl. IEC 61924-2: Corr. 1:2013,

	Code)	EN	
	14,	62288:2014,	
—	IMO	EN	
	Res.MSC.97(73)	IEC	
	(2000	62923-1:2018,	
	HSC	EN	
	Code)	IEC	
	14,	62923-2:2018.	
—	IMO Or:		
	Res.MSC.191(79)	IMO	
—	IMO	MSC/	
	Res.MSC.302(87)	rc.862,	
—	IMO	EN	
	MSC.1/	60945:2002	
	Circ.1389,	incl.	
—	IMO	IEC	
	COMSAR/	60945	
	Circ.32.	Corr.	
—	For	1:2008,	
	GMDSS	IEC	
	functions	61162	
	and	series:	
	units	IEC	
	included	61162-1:2016	
	in	IEC	
	the	61162-2	
	ICS,	Ed.1.0:1998-09	
	the	IEC	
	performance	61162-3	
	requirements	Ed.1.2	
	for	Consol.	
	those	with	
	functions	A1	
	and	Ed.	
	units	1.0:2010-11	
	apply.	and	
		A2	
		Ed.	
		1.0:2014-07	
		IEC	
		61162-450:2018,	
—		IEC	
		62940:2016,	
—		IEC	
		61924-2:2012	
		incl.	
		IEC	
		61924-2	
		Corr.	
		1:2013,	
—		IEC	
		62288:2014,	

	Code)	ETSI	
	14,	EN	
—	IMO	301	
	Res.MSC.302(874)	41	
—	IMO	V2.1.1:2016,	
	Res.MSC.434(98)	13	
—	IMO	61097-16:2019.	
	MSC/Or:		
	Circ.862,	IMO	
—	IMO	MSC/	
	COMSAR/	Circ.862,	
	Circ.32-	EN	
		60945:2002	
		incl.	
		IEC	
		60945	
		Corr.	
		1:2008,	
—		ETSI	
		EN	
		301	
		441	
		V2.1.1:2016,	
—		IEC	
		61162	
		series:	
		IEC	
		61162-1:2016	
		IEC	
		61162-2	
		Ed.1.0:1998-09	
		IEC	
		61162-3	
		Ed.1.2	
		Consol.	
		with	
		A1	
		Ed.	
		1.0:2010-11	
		and	
		A2	
		Ed.	
		1.0:2014-07	
		IEC	
		61162-450:2018,	
—		IEC	
		61097-16:2019,	
—		IEC	
		62923-1:2018,	
—		IEC	
		62923-2:2018.	
	And		
	additionally,		

Status: This is the original version (as it was originally adopted).

		for Inmarsat equipment: — ETSI ETS 300 460:1996 + A1:1997.		
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6. Equipment required under COLREG 72

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
MED/6.1 Navigation lights Row 1 of 1	Type approval requirements — COLREG 72 Annex I/14. Carriage and performance requirements — COLREG 72 Annex I/14, IMO Res.A.694(17), IMO Res.MSC.253(83)	— EN 14744:2005 incl. AC:2006, EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: — EN 14744:2005 incl. AC:2006, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+F		

7. Other safety equipment

Status: This is the original version (as it was originally adopted).

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>MED/7.1 Self-contained compressed-air-operated breathing apparatus for entry and work in gas-filled space (New item inserted by Implementing Regulation (EU) 2018/773, refer to item 3.7) Row 1 of 1</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/10 — SOLAS 74 Reg. II-2/13 — IMO Res. MSC.98(73) (FSS Code) 3, — IMO Res. MSC.4(48) (IBC Code) 14, — IMO Res. MSC.5(48) (IGC Code) 14, — IMO MSC.1/</p>	<p>— ISO 23269 Note: Associated fireproof lifeline (MED 3.44): The lifeline shall be used in conjunction with the breathing apparatus and capable of being attached by means of a snap-hook to the harness of the apparatus or to a separate belt in order to prevent the breathing apparatus becoming detached when the lifeline is operated. Air breathing apparatus module B shall indicate the MED fireproof lifeline as mandatory MSC.1/499.</p>	<p>B+D B+E B+F G</p>	<p>19.6.2018</p>	

Carriage and performance requirements			
— SOLAS 74 Reg. II-1/25,			
— SOLAS 74 Reg. XII/12.			
— IMO Res.A.1021(26),			
— IMO Res.MSC.188(79),			
— IMO MSC.1/Circ.1572.			

9. Equipment for which the set of standards for MED certification is not complete

Note applicable to section 9:

A set of standards for MED certification is deemed to be complete where:

IMO Provisions for:

- type approval,
- carriage requirements, and
- testing standards

are available and appropriate.

1. *Life-saving appliances*

No	Item designation
MED/9/1.1	Radar reflector for liferafts
MED/9/1.2	Immersion suit materials
MED/9/1.3	Float-free launching appliances for survival craft
MED/9/1.5	Public address & general emergency alarm system (when used as fire alarm device item A.1/3.53 shall apply)

2. *Marine pollution prevention*

No	Item designation
MED/9/2.3	Equipment using other equivalent methods to reduce on board NO _x emissions

MED/9/2.4	Equipment using other technological methods to limit SO _x emissions
MED/9/2.5	On board NO _x analysers using a measurement method other than the Direct Measurement and Monitoring Method of the NO _x Technical Code 2008

3. *Fire protection equipment*

No	Item designation
MED/9/3.8	Electric safety lamp
MED/9/3.9	Protective clothing resistant to chemical attack
MED/9/3.13	Compressed airline breathing apparatus (High Speed Craft)
MED/9/3.21	Paint lockers and flammable liquid lockers fire extinguishing systems components
MED/9/3.24	Portable Foam Applicator Units
MED/9/3.26	Gaseous Fuel Systems Used for Domestic Purposes (components)
MED/9/3.27	Fixed Gas Fire Extinguishing Systems (CO ₂) components.
MED/9/3.31	Water Spraying Hand Operated System
MED/9/3.33	Fire hoses with diameter > 52 mm

4. *Navigation equipment*

No	Item designation
MED/9/4.11	Combined GPS/GLONASS equipment
MED/9/4.20	Track control system for - high-speed craft
MED/9/4.33	Track control system (working at ship's speed from 30 knots and above)
MED/9/4.37	Electronic Inclinator

5. *Radiocommunication equipment*

No	Item designation
MED/9/5.8	Aeronautical two-way VHF radio telephone apparatus - Moved to MED/5.16

6. *Equipment required under COLREG 72*

Status: This is the original version (as it was originally adopted).

No	Item designation
MED/9/6.2	Sound signal appliances
MED/9/6.4	Two-way voice and data communication with a Telemedical Assistance Service (TMAS)
MED/9/6.5	Sound signalling system mounted to face astern to indicate escort and emergency manoeuvres

7. *Other safety equipment*

No	Item designation
MED/9/7.1	Loading instrument
MED/9/7.2	Water level detectors on bulk carriers

8. *SOLAS Chapter II-1 equipment*

No	Item designation
MED/9/8.1	Cold-weather starting of generator sets (starting devices)

- (1) [OJ L 257, 28.8.2014, p. 146.](#)
- (2) Commission Implementing Regulation (EU) 2019/1397 of 6 August 2019 on design, construction and performance requirements and testing standards for marine equipment and repealing Implementing Regulation (EU) 2018/773 ([OJ L 237, 13.9.2019, p. 1](#)).