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ANNEX

ANNEX

to the

Commission Implementing Regulation (EU) .../...
of XXX

on design, construction and performance requirements and testing standards for marine equipment and repealing Implementing Regulation (EU) 2020/1170

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.

GNSS, Global Navigation Satellite System.

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.

NOx, Nitrogen Oxides.

O_2/HC systems: Oxygen Hydro Carbon systems.

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

SOx, 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/1.3), 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/1.2a), 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/Circ.1628, IMO MSC.1/Circ.1629, IMO MSC.1/Circ.1630, IMO MSC.1/Circ.1631, IMO MSC.1/Circ.1632 and IMO MSC.1/Circ.1633 shall apply where appropriate 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 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/1.1 Lifebuoys 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/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.				

1	2	3	4	5	6
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. 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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		13.9.2022 (ii)
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. 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) IV, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70), as amended, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - IMO Res. MSC.81(70), as amended, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F	13.9.2019	12.8.2023 (ii)
MED/1.2a Position-indicating lights for life-saving appliances:	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.81(70), as amended, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
- for survival craft and rescue boats Row 3 of 3 Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to at IMO Res. MSC 81(70). Clause 10.4 shall be carried out.	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) IV, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- ISO 24408: 2005. Or: - IMO Res. MSC.81(70), as amended, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - ISO 24408: 2005			

1	2	3	4	5	6
MED/1.2b Position-indicating lights for life-saving appliances: - for lifebuoys Row 1 of 3	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)-(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 Res. MSC.81(70), as amended.	B+D B+E B+F		13.9.2022 (ii)
MED/1.2b Position-indicating lights for life-saving appliances: - for lifebuoys Row 2 of 3	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)-(1994 HSC Code) 8, - IMO Res. MSC.48(66)-(LSA Code) I,	- IMO Res. MSC.81(70), as amended, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - IMO Res. MSC.81(70), as amended, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F	13.9.2019	12.8.2023 (ii)

	- IMO Res. MSC.48(66)-(LSA Code) II, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.				
MED/1.2b Position-indicating lights for life-saving appliances: - for lifebuoys Row 3 of 3 Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to at IMO Res. MSC 81(70). Clause 10.4 shall be carried out.	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)-(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 Res. MSC.81(70), as amended, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ISO 24408: 2005. Or: - IMO Res. MSC.81(70), as amended, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - ISO 24408: 2005.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
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. 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, - 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 Res. MSC.81(70), as amended.	B+D B+E B+F		13.9.2022 (ii)
MED/1.2c Position-indicating lights for life-saving appliances: - for lifejackets Row 2 of 3	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/26, - SOLAS 74 Reg. III/32, - SOLAS 74 Reg. III/34,	- IMO Res. MSC.81(70), as amended, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - IMO Res. MSC.81(70), as amended, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F	13.9.2019	12.8.2023 (ii)

	- 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 Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to at IMO Res. MSC 81(70). Clause 10.4 shall be carried out.	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/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.	- IMO Res. MSC.81(70), as amended, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ISO 24408: 2005. Or: - IMO Res. MSC.81(70), as amended, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - ISO 24408: 2005.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
MED/1.3 Lifebuoys self-activating smoke signals 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/7, - 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/1.3 Lifebuoys self-activating smoke signals Row 2 of 2	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	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)-(LSA Code) I, - IMO Res. MSC.48(66)-(LSA Code) II, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.				

1	2	3	4	5	6
MED/1.4 Lifejackets 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/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.922, - IMO MSC.1/Circ.1304, - IMO MSC.1/Circ.1470.				

1	2	3	4	5	6
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)-(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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
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, - 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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
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 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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
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 - 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)-(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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
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 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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
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. 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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/1.7 Thermal protective aids 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/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.				

1	2	3	4	5	6
MED/1.8 Rocket parachute 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		12.8.2023 (ii)
	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	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	12.8.2020	
	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.				

1	2	3	4	5	6
MED/1.9 Hand flares (pyrotechnics) 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)-(LSA Code) I, - IMO Res. MSC.48(66)-(LSA Code) III, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70),as amended.	B+D B+E B+F		12.8.2023 (ii)
MED/1.9 Hand flares (pyrotechnics) 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 Code) III, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70),as amended, - ISO 15736: 2006.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
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+F		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	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	12.8.2020	
	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.				

1	2	3	4	5	6
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)-(2000 HSC Code) 8.				
MED/1.11 Line-throwing appliances Row 2 of 2	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	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.				

1	2	3	4	5	6
MED/1.12 Inflatable liferafts Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.81(70), as amended. And for extended service intervals: - IMO MSC.1/Circ.1328.	B+D B+E B+F		
	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 Code) 8, - IMO MSC/Circ.811, - IMO MSC.1/Circ.1328.				

1	2	3	4	5	6
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.81(70), as amended,	B+D B+E B+F		
	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.				

1	2	3	4	5	6
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. 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, - IMO MSC/Circ.809, - IMO MSC/Circ.811, - IMO MSC.1/Circ.1328.	- IMO Res. MSC.81(70), as amended. And for extended service intervals: - IMO MSC.1/Circ.1328.	B+D B+E B+F		
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.81(70), as amended.	B+D B+E B+F		

	- IMO Res. MSC.97(73)-(2000 HSC Code) 8, - IMO MSC/Circ.809, - IMO MSC/Circ.811, - IMO MSC.1/Circ.1328.				

1	2	3	4	5	6
MED/1.15 Canopied reversible liferafts Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.81(70), as amended. And for extended service intervals: - IMO MSC.1/Circ.1328.	B+D B+E B+F		
	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, - IMO MSC/Circ.809, - IMO MSC/Circ.811, - IMO MSC.1/Circ.1328.				

1	2	3	4	5	6
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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		
	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 Code) IV, - IMO Res. MSC.97(73)-(2000 HSC Code) 8, - IMO MSC/Circ.811.				

1	2	3	4	5	6
MED/1.17a Lifeboats Davit-launched lifeboats: - partially enclosed - totally enclosed 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/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) IV, - IMO Res. MSC.97(73)-(2000 HSC Code) 8, - IMO MSC.1/Circ.1423.	- IMO Res. MSC.81(70), as amended, - IMO MSC/Circ.1006.	B+D B+F G		

1	2	3	4	5	6
MED/1.17b Lifeboats 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/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) IV, - IMO Res. MSC.97(73)-(2000 HSC Code) 8, - IMO MSC.1/Circ.1423.	- IMO Res. MSC.81(70), as amended, - IMO MSC/Circ.1006.	B+D B+F G		

1	2	3	4	5	6
MED/1.18 Rigid rescue boats Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.81(70), as amended, - IMO MSC/Circ.1006.	B+D B+F G		
	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.				

1	2	3	4	5	6
MED/1.19 Inflated rescue boats Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.81(70), as amended, - ISO 15372:2000.	B+D B+F G		
	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.				

1	2	3	4	5	6
MED/1.20a Fast rescue boats: - inflated Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4.	- IMO Res. MSC.81(70), as amended, - ISO 15372:2000.	B+D B+F G		
	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.				

1	2	3	4	5	6
MED/1.20b Fast rescue boats: - rigid Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4.	- IMO Res. MSC.81(70), as amended, - IMO MSC/Circ.1006.	B+D B+F G		
	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.				

1	2	3	4	5	6
MED/1.20c Fast rescue boats: - rigid-inflated Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4. 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.	- IMO Res. MSC.81(70), as amended, - IMO MSC/Circ.1006, - ISO 15372:2000.	B+D B+F G		

1	2	3	4	5	6
MED/1.21 Launching appliances using falls (davits) 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/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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

Item MED/1.22, Float-free launching appliances for survival craft, - moved to MED/9/1.3.

1	2	3	4	5	6
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 Res. MSC.81(70), as amended.	B+D B+E B+F G		
	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.				

1	2	3	4	5	6
MED/1.24 Liferaft launching appliances (Davits) 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/12, - 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) VI, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

1	2	3	4	5	6
MED/1.25 Fast rescue boat launching appliances (Davits) Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		
	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.				

1	2	3	4	5	6
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. 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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		
	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,				

1	2	3	4	5	6
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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/1.27 Marine evacuation systems 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+F G		
	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 Code) VI, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.				

1	2	3	4	5	6
MED/1.28 Means of rescue Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4.	- IMO Res. MSC.81(70), as amended.	B+D B+F		
	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.				

1	2	3	4	5	6
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 Res. MSC.81(70), as amended, - ISO 5489:2008.	B+D B+F		
	Carriage and performance requirements - SOLAS 74 Reg. III/11, - SOLAS 74 Reg. III/34, - IMO Res. MSC.36(63)-(1994 HSC Code), - IMO Res. MSC.48(66)-(LSA Code) I, - IMO Res. MSC.48(66)-(LSA Code) VI, - IMO Res. MSC.97(73)-(2000 HSC Code), - IMO MSC.1/Circ.1285.				

1	2	3	4	5	6
MED/1.30 Retro-reflective materials Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. X/3.	- IMO Res. A.658(16), as amended.	B+D B+E B+F		
	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.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.

1	2	3	4	5	6
MED/1.33 Radar reflector for lifeboats and rescue boats (passive) 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.384(X), - 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, - IMO Res. MSC.164(78).	- EN ISO 8729:1998, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - EN ISO 8729:1998, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 8729-1:2010, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 8729-1:2010, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F		

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.

1	2	3	4	5	6
MED/1.36 Lifeboat / rescue boat propulsion engine 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/34, - IMO Res. MSC.48(66)-(LSA Code) IV, - IMO Res. MSC.48(66)-(LSA Code) V.				

1	2	3	4	5	6
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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. III/34, - IMO Res. MSC.48(66)-(LSA Code) V.				

1	2	3	4	5	6
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)-(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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F		13.9.2022 (ii)
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 Code) IV, - IMO Res. MSC.48(66)-(LSA Code) V, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70), as amended, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - IMO Res. MSC.81(70), as amended, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F	13.9.2019	

1	2	3	4	5	6
MED/1.39 Open reversible liferafts Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. X/3. Carriage and performance requirements - IMO Res. MSC.36(63)-(1994 HSC Code) 8, - IMO Res. MSC.36(63)-(1994 HSC Code) Annex 10, - IMO Res. MSC.48(66)-(LSA Code) I, - IMO Res. MSC.97(73)-(2000 HSC Code) 8, - IMO Res. MSC.97(73)-(2000 HSC Code) Annex 11, - IMO MSC.1/Circ.1328.	- IMO Res. MSC.36(63)-(1994 HSC Code) Annex 10, - IMO Res. MSC.97(73)-(2000 HSC Code) Annex 11. And for extended service intervals: - IMO MSC.1/Circ.1328.	B+D B+F		

Item MED/1.40, Mechanical pilot hoist, - moved to MED/4.48.

1	2	3	4	5	6
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, - 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 Code) I, - IMO Res. MSC.48(66)-(LSA Code) VI, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

1	2	3	4	5	6
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 Code) VI.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

1	2	3	4	5	6
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. 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.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

1	2	3	4	5	6
MED/1.41d Winches for survival craft and rescue boats: - 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/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, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

1	2	3	4	5	6
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, - 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, - IMO Res. MSC.97(73)-(2000 HSC Code) 8.	- IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

Item MED/1.42, Pilot ladder, - moved to MED/4.49.

1	2	3	4	5	6
MED/1.43 Rigid-inflated 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/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.	- IMO Res. MSC.81(70), as amended, - IMO MSC/Circ.1006, - ISO 15372:2000.	B+D B+F G		

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 Res. MEPC.107(49), as amended, - IMO MEPC.1/Circ. 643.	B+D B+E B+F		

1	2	3	4	5	6
MED/2.2 Oil/water interface detectors Row 1 of 1	Type approval requirements - MARPOL 73/78 Annex I, Reg. 32. Carriage and performance requirements - MARPOL 73/78 Annex I, Reg. 32.	- IMO Res. MEPC.5(XIII).	B+D B+E B+F		

1	2	3	4	5	6
MED/2.3 Oil-content meters Row 1 of 1	Type approval requirements - MARPOL 73/78 Annex I, Reg. 14.	- IMO Res. MEPC.107(49), as amended, - IMO MEPC.1/Circ. 643.	B+D B+E B+F		
	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 15p.p.m., - has been deliberately left blank.

1	2	3	4	5	6
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 Res. MEPC.108(49), as amended.	B+D B+E B+F		
	Carriage and performance requirements - MARPOL 73/78 Annex I, Reg. 31.				

MED/2.6a Sewage systems (for use by passenger ships in all areas, including a MARPOL Annex IV special area), Row 1 of 1	Type approval requirements - MARPOL 73/78 Annex IV, Reg. 9. Carriage and performance requirements - MARPOL 73/78 Annex IV, Reg. 9.	- IMO Res. MEPC.227(64), including section 4.2.	B+D B+E B+F G	16.3.2017	
MED/2.6b Sewage systems (for use by ships, other than passenger ships, in all areas and by passenger ships outside MARPOL Annex IV special areas). Row 1 of 1	Type approval requirements - MARPOL 73/78 Annex IV, Reg. 9. Carriage and performance requirements - MARPOL 73/78 Annex IV, Reg. 9.	- IMO Res. MEPC.227(64), including section 4.2.	B+D B+E B+F G	16.3.2017	

1	2	3	4	5	6
MED/2.7 Shipboard incinerators (Incinerator plants with capacities up to 4 000 kW) Row 1 of 1	Type approval requirements - MARPOL 73/78 Annex VI, Reg. 16. Carriage and performance requirements - MARPOL 73/78 Annex VI, Reg. 16.	- IMO Res. MEPC.244(66).	B+D B+E B+F G	16.3.2017	

1	2	3	4	5	6
MED/2.8 NOx analyser permanently placed on board and for use on board as per NOx Technical Code 2008 Row 1 of 1	Type approval requirements - IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 13). Carriage and performance requirements - IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 13), - IMO Res. MEPC.177(58) - (NOx Technical Code 2008), - IMO Res. MEPC.198(62).	- IMO Res. MEPC.177(58) - (NOx Technical Code 2008), as amended.	B+D B+E B+F G		

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

1	2	3	4	5	6
MED/2.10 On board exhaust gas cleaning systems Row 1 of 1	Type approval requirements - IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 4), - IMO Res. MEPC.259 (68).	- IMO Res. MEPC.259(68).	Scheme A: B+F G Scheme B: G	19.6.2018	
	Carriage and performance requirements - IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 4).				

3. Fire protection equipment

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/3.1 Primary deck coverings Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/6, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/6, - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.				

1	2	3	4	5	6
MED/3.2 Portable fire extinguishers 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) 4.	- EN 3-7:2004 incl. A1:2007, - EN 3-8:2006 incl. AC:2007, - EN 3-9:2006 incl. AC:2007, - EN 3-10:2009.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.3a Fire-fighter's outfit: protective clothing (close proximity clothing): - protective non reflective clothing for firefighting Row 1 of 2	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 469:2005 incl. A1:2006 and AC:2006.	B+D B+E B+F		[Date of entry into force of this implementing regulation + 36 months] (ii)
MED/3.3a Fire-fighter's outfit: protective clothing (close proximity clothing): - protective non reflective clothing for firefighting Row 2 of 2 (NEW ROW)	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 469:2020	B+D B+E B+F	[Date of entry into force of this implementing regulation]	

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 1486:2007.	B+D B+E B+F		
MED/3.3c Fire-fighter's outfit: protective clothing (close proximity clothing): - protective clothing for firefighting: protective clothing with a reflective outer surface 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.	- ISO 15538:2001. Note: Level 2.	B+D B+E B+F		

1	2	3	4	5	6
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.	- EN 15090:2012.	B+D B+E B+F		
	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/3.5 Fire-fighter's outfit: gloves 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 659:2003 incl. A1:2008 and AC:2009.	B+D B+E B+F		
	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 - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3, - IMO Res. MSC.98(73)-(FSS Code) 3.	- EN 443:2008.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.7 Self-contained compressed-air-operated breathing apparatus Note: For use in accidents involving dangerous goods a positive pressure type mask is required. (Refer to item 7.1) 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.	- 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 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.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. II-2/15, - SOLAS 74 Reg. II-2/19, - 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, - IMO MSC.1/Circ.1499, - IMO MSC.1/Circ.1555.				

1	2	3	4	5	6
MED/3.8 Compressed air line breathing apparatus Row 1 of 2	Type approval requirements - SOLAS 74 Reg. X/3, - IMO Res. MSC.36(63)-(1994 HSC Code) 7. Note: This equipment is only for high speed craft built under provisions of the 1994 HSC Code.	- EN 14593-1:2005. Or: - EN 14594:2005 incl. AC:2005.	B+D B+E B+F		13.3.2021 (ii)
	Carriage and performance requirements - IMO Res. MSC.36(63)-(1994 HSC Code) 7.				
MED/3.8 Compressed air line breathing apparatus Row 2 of 2	Type approval requirements - SOLAS 74 Reg. X/3, - IMO Res. MSC.36(63)-(1994 HSC Code) 7. Note: This equipment is only for high speed craft built under provisions of the 1994 HSC Code.	- EN 14593-1:2018. Or: - EN 14594:2018.	B+D B+E B+F	13.9.2019	
	Carriage and performance requirements - IMO Res. MSC.36(63)-(1994 HSC Code) 7.				

1	2	3	4	5	6
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 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	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. Carriage and performance requirements - 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.	- IMO Res. A.800(19),as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.10 Nozzles for fixed pressure water spraying fire extinguishing systems 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, - SOLAS 74 Reg. X/3, - IMO Res. MSC.98(73)-(FSS Code) 7. 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 Res. MSC.391(95)-(IGF Code) 11), - IMO MSC.1/Circ.1313.	- IMO MSC/Circ.1165, as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.11a 'A' & 'B' Class divisions fire integrity: - 'A' class division Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/3.2, - IMO MSC/Circ.1120.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended, - IMO MSC.1/Circ.1435.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/3.2. - SOLAS 74 Reg. II-2/9, - IMO MSC/Circ.1120, - IMO MSC.1/Circ.1434, - IMO MSC.1/Circ.1616.				

1	2	3	4	5	6
MED/3.11b 'A' & 'B' Class divisions fire integrity: - 'B' class divisions Note: Where a B class bulkhead has been tested from only one side and has been designed to be installed with the untested side adjacent to the untested side of another B class bulkhead, the EC type-examination certificate shall include the conditions under which it can be installed on board ensuring that the level of protection indicated in the relevant fire integrity tables included in SOLAS Chapter II-2/Reg.9.2 Thermal and Structural Boundaries is always fulfilled. Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/3.4, - IMO MSC/Circ.1120. Carriage and performance requirements - SOLAS 74 Reg. II-2/3.4, - SOLAS 74 Reg. II-2/9, - IMO MSC/Circ.1120, - IMO MSC.1/Circ.1581.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

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1	2	3	4	5	6
MED/3.12a Devices to prevent the passage of flame into the cargo tanks in tankers: - P/V valves Row 1 of 3	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2010, - ISO 15364:2016.	B+F		23.5.2019 (iii)
MED/3.12a Devices to prevent the passage of flame into the cargo tanks in tankers: - P/V valves Row 2 of 3	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. - IMO Res. MSC.98(73)-(FSS Code) 15.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2016, - ISO 15364:2016.	B+F	19.6.2018	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/3.12a Devices to prevent the passage of flame into the cargo tanks in tankers: - P/V valves Row 3 of 3 (NEW ROW)	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. - IMO Res. MSC.98(73)-(FSS Code) 15.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2016, - ISO 15364:2021.	B+F	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/3.12b Devices to prevent the passage of flame into the cargo tanks in tankers: - flame arresters Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2010.	B+D B+E B+F		23.5.2019 (iii)
MED/3.12b Devices to prevent the passage of flame into the cargo tanks in tankers: - flame arresters Row 2 of 2	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. - IMO Res. MSC.98(73)-(FSS Code) 15.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2016.	B+D B+E B+F	19.6.2018	

1	2	3	4	5	6
MED/3.12c Devices to prevent the passage of flame into the cargo tanks in tankers: - detonation flame arresters Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16.	- IMO MSC/Circ.677, as amended. - EN ISO 16852:2010.	B+D B+E B+F		23.5.2019 (iii)
MED/3.12c Devices to prevent the passage of flame into the cargo tanks in tankers: - detonation flame arresters Row 2 of 2	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. - IMO Res. MSC.98(73)-(FSS Code) 15.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2016.	B+D B+E B+F	19.6.2018	

1	2	3	4	5	6
MED/3.12d Devices to prevent the passage of flame into the cargo tanks in tankers: - high velocity vent valves Row 1 of 3	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2010, - ISO 15364:2016.	B+F		23.5.2019 (iii)
MED/3.12d Devices to prevent the passage of flame into the cargo tanks in tankers: - high velocity vent valves Row 2 of 3	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. - IMO Res. MSC.98(73)-(FSS Code) 15.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2016, - ISO 15364:2016.	B+F	19.6.2018	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/3.12d Devices to prevent the passage of flame into the cargo tanks in tankers: - high velocity vent valves Row 3 of 3 (NEW ROW)	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. II-2/16. - IMO Res. MSC.98(73)-(FSS Code) 15.	- IMO MSC/Circ.677, as amended, - EN ISO 16852:2016, - ISO 15364:2021.	B+F	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	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.

1	2	3	4	5	6
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 - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. X/3.	- IMO Res. A.753(18), as amended, - IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
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 10497:2010.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
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. 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.	Flexible pipe assemblies: - EN ISO 15540:2001, - EN ISO 15541:2001.	B+D B+E B+F		1.7.2019 (iii)
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. 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.	- ISO 15540:2016, - ISO 15541:2016.	B+D B+E B+F	19.6.2018	

1	2	3	4	5	6
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	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. X/3.	- ISO 19921:2005, - ISO 19922:2005.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.16 Fire Doors Row 1 of 1 Note: Fire door control system components are subject to conformity assessment according to item MED 3.17.	Type approval requirements - SOLAS 74 Reg. II-2/9.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended, - IMO MSC.1/Circ.1319	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/9, - IMO MSC.1/Circ.1511.				

1	2	3	4	5	6
MED/3.17 Fire door control systems components Note: When the term "system components" is used it may be that a single component, a group of components or a whole system needs to be tested to ensure that the international requirements are fulfilled. 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-2/9, - SOLAS 74 Reg. X/3. Carriage and performance requirements - SOLAS 74 Reg. II-2/9, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.18a Surface materials and floor coverings with low flame-spread characteristics: - decorative veneers Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - SOLAS 74 Reg. II-2/6, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - SOLAS 74 Reg. II-2/6, - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7, - IMO MSC/Circ.1120.				

1	2	3	4	5	6
MED/3.18b Surface materials and floor coverings with low flame-spread characteristics: - paint systems Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - SOLAS 74 Reg. II-2/6, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - SOLAS 74 Reg. II-2/6, - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7, - IMO MSC/Circ.1120.				

1	2	3	4	5	6
MED/3.18c Surface materials and floor coverings with low flame-spread characteristics: - floor coverings Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - SOLAS 74 Reg. II-2/6, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - SOLAS 74 Reg. II-2/6, - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7, - IMO MSC/Circ.1120.				

1	2	3	4	5	6
MED/3.18d Surface materials and floor coverings with low flame-spread characteristics: - pipe insulation covers Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/3, - SOLAS 74 Reg. II-2/5, - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7, - IMO MSC/Circ.1120.				

1	2	3	4	5	6
MED/3.18e Surface materials and floor coverings with low flame-spread characteristics: - adhesives used in the construction of 'A', 'B' & 'C' class divisions Row 1 of 1	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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.18f Surface materials and floor coverings with low flame-spread characteristics: - combustible ducts membrane Row 1 of 1	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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
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 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended, - IMO MSC.1/Circ.1456, as amended.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.20 - Upholstered furniture Row 1 of 1	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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		12.8.2023 (i)
	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/3.20a Upholstered furniture: - complete piece of furniture (including cover material, filling material and non-flammable rack) Row 1 of 1	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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F	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/3.20b Upholstered furniture: - cover material for any filling material Row 1 of 1	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 Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.	- IMO Res. MSC.307(88)-(2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.	B+D B+E B+F	12.8.2020	
MED/3.20c Upholstered furniture: - cover material for flame-retardant filling material (tested in specific combination as intended for further application) Row 1 of 1	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 Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.	- IMO Res. MSC.307(88)-(2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.	B+D B+E B+F	12.8.2020	
MED/3.20d	Type approval requirements	- IMO Res. MSC.307(88)-(2010 FTP Code),	B+D	12.8.2020	

Upholstered furniture: - flame-retardant filling material 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.	Annex 1 Part 8 Appendix 3, as amended.	B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.21 Bedding 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 1	Type approval requirements - SOLAS 74 Reg. II-2/3, - 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-2/9, - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.22 Fire dampers Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/9.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/9.				

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.

1	2	3	4	5	6
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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/9, - IMO Res. MSC.5(48)-(IGC Code) 3, - IMO MSC/Circ.1120.				

1	2	3	4	5	6
MED/3.26a Penetrations through 'A' 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 Res. MSC.307(88)-(2010 FTP Code), as amended, - IMO MSC.1/Circ. 1488.	B+D B+E B+F		

1	2	3	4	5	6
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 Res .MSC.307(88)-(2010 FTP Code), as amended, - IMO MSC.1/Circ. 1488.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/9, - IMO MSC.1/Circ. 1276.				

1	2	3	4	5	6
MED/3.27a Penetrations through 'B' class divisions: - electric cable transits Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/9.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/9.				

1	2	3	4	5	6
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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.28 Sprinkler systems (limited to sprinkler heads) (Nozzles for fixed sprinkler 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	Type approval requirements - SOLAS 74 Reg. II-2/7, - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3. Carriage and performance requirements - SOLAS 74 Reg. II-2/7, - 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.1/Circ.1556.	- ISO 6182-1:2014. Or: - EN 12259-1:1999 incl. A1:2001, A2:2004 and A3:2006.	B+D B+E B+F		

1	2	3	4	5	6
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	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3.	- EN 14540:2014.	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/3.30a Portable oxygen analysis and gas detection equipment: - category 1: (safe area) Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7. - IMO Res. MSC.98(73)-(FSS Code) 15, - IMO MSC.1/Circ.1477, - IMO MSC.1/Circ.1581.	- EN 50104:2010, - EN 60079-29-1:2016, - EN 60945:2002 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	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (ii)
MED/3.30a Portable oxygen analysis and gas detection equipment: - category 1: (safe area)	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7.	- EN 50104:2019, - EN 60079-29-1:2016, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr.	B+D B+E B+F	[Date of entry into force of this implementing regulation]	

Row 2 of 2 (NEW ROW)	Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7. - IMO Res. MSC.98(73)-(FSS Code) 15, - IMO MSC.1/Circ.1477, - IMO MSC.1/Circ.1581.	1:2008, - IEC 60092-504:2016, - IEC 60533:2015.			

MED/3.30b Portable oxygen analysis and gas detection equipment: - category 2: (explosive gas atmospheres) Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7. - IMO Res. MSC.98(73)-(FSS Code) 15, - IMO MSC.1/Circ.1477, - IMO MSC.1/Circ.1581.	- 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, - EN 60945:2002 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	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (ii)
MED/3.30b Portable oxygen analysis and gas detection equipment: - category 2: (explosive gas atmospheres) Row 2 of 2 (NEW ROW)	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7.	- EN 50104:2019, - EN 60079-29-1:2016, - EN IEC 60079-0:2018, incl. AC:2020, - EN 60079-1:2014, - EN 60079-10-1:2015, - EN 60079-11:2012,	B+D B+E B+F	[Date of entry into force of this implementing regulation]	

	Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3, - SOLAS 74 Reg. XI-1/7. - IMO Res. MSC.98(73)-(FSS Code) 15, – IMO MSC.1/Circ.1477, - IMO MSC.1/Circ.1581.	- EN 60079-15:2010, - EN 60079-26:2015, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 60092-504:2016, - IEC 60533:2015.			

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.

1	2	3	4	5	6
MED/3.32 Fire restricting materials (except furniture) for high speed craft Row 1 of 1	Type approval requirements - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.33 Fire restricting materials for furniture for high speed craft Row 1 of 1	Type approval requirements - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.				

1	2	3	4	5	6
MED/3.34 Fire resisting divisions for high speed craft Row 1 of 1	Type approval requirements - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	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.				

1	2	3	4	5	6
MED/3.35 Fire doors on high speed craft Row 1 of 1 Note: Fire door control system components are subject to conformity assessment according to item MED 3.17.	Type approval requirements - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.				

1	2	3	4	5	6
MED/3.36 Fire dampers on high speed craft Row 1 of 1	Type approval requirements - SOLAS 74 Reg. X/3.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - IMO Res .MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.				

1	2	3	4	5	6
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.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
	Carriage and performance requirements - IMO Res. MSC.36(63)-(1994 HSC Code) 7, - IMO Res. MSC.97(73)-(2000 HSC Code) 7.				

1	2	3	4	5	6
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 Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

1	2	3	4	5	6
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), - 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.	- EN 3-7:2004 incl. A1:2007, - EN 3-8:2006 incl. AC:2007, - EN 3-9:2006 incl. AC:2007, - EN 3-10:2009.	B+D B+E B+F		

1	2	3	4	5	6
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 MSC/Circ.1165, as amended.	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 Code) 7, - IMO MSC.1/Circ.1313, - IMO MSC.1/Circ.1458.				

1	2	3	4	5	6
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 2	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 Res. A.752(18), - ISO 15370:2010.	B+D B+E B+F		[Date of entry into force of this implementing regulation + 36 months] (ii)

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 2 of 2 (NEW ROW)	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 Res. A.752(18), - ISO 15370:2021.	B+D B+E B+F	[Date of entry into force of this implementing regulation	

1	2	3	4	5	6
MED/3.41a Emergency escape breathing devices (EEBD): - self-contained: open-circuit compressed air breathing apparatus with full mask or mouthed piece assembly for escape Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/13.	- ISO 23269-1:2008, - EN 402:2003.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/13, - IMO Res. MSC.98(73)-(FSS Code) 3, - IMO MSC/Circ.849.				
MED/3.41b Emergency escape breathing devices (EEBD): - self-contained open-circuit compressed air breathing apparatus with a hood for escape Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/13.	- ISO 23269-1:2008, - EN 1146:2005.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/13, - IMO Res. MSC.98(73)-(FSS Code) 3, - IMO MSC/Circ.849.				
MED/3.41c Emergency escape breathing devices (EEBD): - self-contained: closed-circuit compressed air breathing apparatus Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/13.	- ISO 23269-1:2008, - EN 13794:2002.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/13, - IMO Res. MSC.98(73)-(FSS Code) 3, - IMO MSC/Circ.849.				

1	2	3	4	5	6
MED/3.42a Inert gas systems: Whole system. Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/4.	- IMO MSC/Circ.353, as amended.	G	12.8.2020	
	Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res.A.567(14), - IMO Res.MSC.98(73)-(FSS Code) 15, - IMO MSC/Circ.353, - IMO MSC/Circ.485, - IMO MSC/Circ.731, - IMO MSC/Circ.1120.				
MED/3.42b Inert gas systems: - single components: • inert gas scrubbers 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-2/4.	- IMO MSC/Circ.353, as amended.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res. A.567(14), - IMO Res. MSC.98(73)-(FSS Code) 15, - IMO MSC/Circ.353, - IMO MSC/Circ.485, - IMO MSC/Circ.731, - IMO MSC/Circ.1120.				

MED/3.42c Inert gas systems: - single components: • inert gas blowers 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-2/4. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res. A.567(14), - IMO Res. MSC.98(73)-(FSS Code) 15, - IMO MSC/Circ.353, - IMO MSC/Circ.485, - IMO MSC/Circ.731, - IMO MSC/Circ.1120.	- IMO MSC/Circ.353, as amended.	B+D B+E B+F		

1	2	3	4	5	6
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	Type approval requirements - SOLAS 74 Reg. II-2/1, - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3.	- ISO 15371:2009.	B+D B+E B+F		15.11.2018 (iii)
	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/3.43 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 15371:2015.	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.				

1	2	3	4	5	6
MED/3.44 Fire-fighters outfit – lifeline Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3, - IMO Res. MSC.98(73)-(FSS Code) 3.	- IMO Res. MSC.98(73)-(FSS Code) 3, as amended, - IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		3.9.2022 (ii)
	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 - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3, - IMO Res. MSC.98(73)-(FSS Code) 3.	- IMO Res. MSC.98(73)-(FSS Code) 3, as amended, - IMO Res. MSC.307(88)-(2010 FTP Code), as amended, - ISO 23269-2:2011.	B+D B+E B+F	13.9.2019	
	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.				

1	2	3	4	5	6
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, - 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)-(FSS Code) 5, - IMO MSC/Circ.848, - IMO MSC.1/Circ.1313.	- IMO MSC/Circ.848, as amended.	B+D B+E B+F		

1	2	3	4	5	6
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.	- IMO MSC/Circ.1270 incl. Corr.1, as amended.	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 Code) 5, - IMO MSC/Circ.1270 incl. Corr.1, - IMO MSC.1/Circ.1313.				

1	2	3	4	5	6
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.670.	B+D B+E B+F		

1	2	3	4	5	6
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	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/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 MSC.1/Circ.1387.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.49a Fixed water-based fire-fighting systems for roro spaces, vehicle spaces and special category spaces: - prescriptive-based systems as per IMO MSC.1/Circ.1430 Row 1 of 2	Type approval requirements - 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.	- IMO MSC.1/Circ.1430.	B+D B+E B+F		1.1.2024 (iii)
MED/3.49a Fixed water-based fire-fighting systems for roro spaces, vehicle spaces and special category spaces: - prescriptive-based systems as per IMO MSC.1/Circ.1430, Revision 1 Row 2 of 2	Type approval requirements - 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.	- IMO MSC.1/Circ.1430, Revision 1.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
MED/3.49b Fixed water-based firefighting systems for roro spaces, vehicle spaces and special category spaces: - performance-based systems as per IMO MSC.1/Circ. 1430 Row 1 of 2	Type approval requirements - 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.	- IMO MSC.1/Circ.1430.	B+D B+E B+F		1.1.2021 (iii)
	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 roro spaces, vehicle spaces and special category spaces: - performance-based systems as per IMO MSC.1/Circ. 1430, Revision 1 Row 2 of 2	Type approval requirements - 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.	- IMO MSC.1/Circ.1430, Revision 1.	B+D B+E B+F	12.8.2020	
	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/3.50, Protective clothing resistant to chemical attack, - item moved to MED/9/3.9.

1	2	3	4	5	6
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 Code) 7, - IMO Res. MSC.98(73)-(FSS Code) 9, - IMO MSC.1/Circ.1242.	Electrical installations in ships: - EN 54-2:1997 incl. AC:1999 and A1:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, - IEC 60533:1999.	B+D B+E B+F		01:6:2019 (iii)
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, - IMO MSC.1/Circ.1242, - IMO MSC.1/Circ.1487.	Electrical installations in ships: - EN 54-2:1997 incl. AC:1999 and A1:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	1.1.2020 (iii)

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 3 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, - IMO Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242, - IMO MSC.1/Circ.1487, - IMO MSC.1/Circ.1528.	Electrical installations in ships: - EN 54-2:1997 incl. AC:1999 and A1:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	19.6.2018	

1	2	3	4	5	6
MED/3.51b Fixed fire detection and fire alarm systems 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 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 Code) 7, - IMO Res. MSC.98(73)-(FSS Code) 9, - IMO MSC.1/Circ.1242.	- EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006. And, as applicable, electrical and electronic 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)
MED/3.51b Fixed fire detection and fire alarm systems 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 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, - IMO MSC.1/Circ.1242.	- EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	1.1.2020 (iii)
MED/3.51b	Type approval requirements	- EN 54-4:1997 incl. AC:1999, A1:2002 and	B+D	19.6.2018	

Fixed fire detection and fire alarm systems 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	- 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 Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242, - IMO MSC.1/Circ.1554.	A2:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+E B+F		

1	2	3	4	5	6
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 placing on board can still be applied. Row 1 of 4	Type approval requirements - SOLAS 74 Reg. II-2/7, - SOLAS 74Reg. 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.	- EN 54-5:2000 incl. A1:2002. And, as applicable, electrical and electronic 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)
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 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 HSC Code) 7, - IMO Res. MSC.98(73)-(FSS Code) 9, - IMO MSC.1/Circ.1242.	- EN 54-5:2000 incl. A1:2002. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	28.2.2020 (iii)
MED/3.51c	Type approval requirements	- EN 54-5:2017.	B+D	19.6.2018	31.8.2022

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 placing on board can still be applied. Row 3 of 4	- 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.	And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+E B+F		(iii)
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 placing on board can still be applied. Row 4 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, - IMO Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242.	- EN 54-5:2017 incl. A1:2018. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
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 board can still be applied. Row 1 of 2	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, - IMO MSC.1/Circ.1242.	- EN 54-7:2000 incl. A1:2002 and A2:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, - IEC 60533:1999.	B+D B+E B+F		31.8.2022 (iii)
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 board can still be applied. Row 2 of 2	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, - IMO Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242.	- EN 54-7:2018. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	13.9.2019	

1	2	3	4	5	6
MED/3.51e Fixed fire detection and fire alarm systems 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 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 Code) 7, - IMO Res. MSC.98(73)-(FSS Code) 9, - IMO MSC.1/Circ.1242.	- EN 54-10:2002 incl. A1:2005. And, as applicable, electrical and electronic 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)
MED/3.51e Fixed fire detection and fire alarm systems 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	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, - IMO MSC.1/Circ.1242.	- EN 54-10:2002 incl. A1:2005, And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	1.1.2020 (iii)
MED/3.51e	Type approval requirements	- EN 54-10:2002 incl. A1:2005,	B+D	19.6.2018	

Fixed fire detection and fire alarm systems 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 3 of 3	- 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 Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242.	And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+E B+F		

1	2	3	4	5	6
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 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 Code) 7, - IMO Res. MSC.98(73)-(FSS Code) 9, - IMO MSC.1/Circ.1242.	- EN 54-11:2001 incl. A1:2005. And, as applicable, electrical and electronic 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)
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 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, - IMO MSC.1/Circ.1242.	- EN 54-11:2001 incl. A1:2005. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	1.1.2020 (iii)
MED/3.51f	Type approval requirements	- EN 54-11:2001 incl. A1:2005.	B+D	19.6.2018	

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	- 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 Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242.	And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+E B+F		

1	2	3	4	5	6
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 - 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.	- EN 54-17:2005 incl. 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.	B+D B+E B+F		1:6:2019 (iii)
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 - 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.	- EN 54-17:2005 incl. AC:2007. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	1.1.2020 (iii)
MED/3.51g	Type approval requirements	- EN 54-17:2005 incl. AC:2007.	B+D	19.6.2018	

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	- 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 60092-504:2016, - IEC 60533:2015.	B+E B+F		
	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.				

1	2	3	4	5	6
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 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 Code) 7, - IMO Res. MSC.98(73)-(FSS Code) 9, - IMO MSC.1/Circ.1242.	- EN 54-18:2005 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.	B+D B+E B+F		1.6.2019 (iii)
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 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, - IMO MSC.1/Circ.1242.	- EN 54-18:2005 incl. AC:2007. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	1.1.2020 (iii)

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 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	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, - IMO Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242.	- EN 54-18:2005 incl. AC:2007. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	19.6.2018	

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 1 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, - IMO MSC.1/Circ.1242.	- EN 60332-1-2:2004, - 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.	B+D B+E B+F		1.6.2019 (iii)
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 HSC Code) 7, - IMO Res .MSC.98(73)-(FSS Code) 9, - IMO MSC.1/Circ.1242.	- 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 B+F	16.3.2017	22.5.2020 (iii)
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	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, - IMO Res. MSC.391(95)-(IGF Code) 11,	- 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:	B+D B+E B+F	19.6.2018	28.3.2021 (iii)

existing installations the relevant standards at the time of placing on board can still be applied. Row 3 of 4	- IMO MSC.1/Circ.1242.	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, -IEC 60332-1-2:2004 incl. A1:2015.			
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 - 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 Res. MSC.391(95)-(IGF Code) 11, - IMO MSC.1/Circ.1242.	- EN 60332-1-2:2004 incl. A1:2015 and A11:2016, - 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 60331-1:2018 or IEC 60331-2:2018. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015, - IEC 60332-1-2:2004 incl. A1:2015.	B+D B+E B+F	13.9.2019	

1	2	3	4	5	6
MED/3.52 Non-portable and transportable fire extinguishers Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3. 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.	- EN 1866-1:2007, - EN 1866-2:2014. Or: - EN 1866-1:2007, - EN 1866-3:2013. Or: - ISO 11601:2008.	B+D B+E B+F		01.7.2020 (iii)
MED/3.52 Non-portable and transportable fire extinguishers Row 2 of 2	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3. 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.	- EN 1866-1:2007, - EN 1866-2:2014. Or: - EN 1866-1:2007, - EN 1866-3:2013. Or: - ISO 11601:2017.	B+D B+E B+F	13.9.2019	

1	2	3	4	5	6
MED/3.53 Fire alarm devices – sounders 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.	- EN 54-3:2001 incl. A1:2002 and A2:2006, - IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, - IEC 60533:1999.	B+D B+E B+F		1.6.2019 (iii)
	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/3.53 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 54-3:2014, - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	12.8.2023 (iii)
	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/3.53 Fire alarm devices – sounders Row 3 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 54-3:2014 incl. A1:2019, - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	12.8.2020	
	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.				

1	2	3	4	5	6
MED/3.54a Fixed oxygen analysis and gas detection equipment: - category 4: (safe area) Row 1 of 3	Type approval requirements - SOLAS 74 Reg. II-2/4, - 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.	- EN 50104:2010, - IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, - IEC 60533:1999. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.	B+D B+E B+F		1:6:2019 (iii)
MED/3.54a Fixed oxygen analysis and gas detection equipment: - category 4: (safe area) Row 2 of 3	Type approval requirements - SOLAS 74 Reg. II-2/4, - 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.	- EN 50104:2010, - IEC 60092-504:2016, - IEC 60533:2015. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/3.54a Fixed oxygen analysis and gas detection equipment: - category 4: (safe area) Row 3 of 3 (NEW ROW)	Type approval requirements - SOLAS 74 Reg. II-2/4, - 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.	- EN 50104:2019, - IEC 60092-504:2016, - IEC 60533:2015. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.	B+D B+E B+F	[Date of entry into force of this implementing regulation	

1	2	3	4	5	6
MED/3.54b Fixed oxygen analysis and gas detection equipment: - category 3: (explosive gas atmospheres) Row 1 of 5	Type approval requirements - SOLAS 74 Reg. II-2/4, - 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.	- EN 50104:2010, - 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. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.	B+D B+E B+F		1:6:2019 (iii)
MED/3.54b Fixed oxygen analysis and gas detection equipment: - category 3: (explosive gas atmospheres) Row 2 of 5	Type approval requirements - SOLAS 74 Reg. II-2/4, - 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.	- EN 50104:2010, - EN 60079-0:2012 incl. A11:2013, - EN 60079-29-1:2007, - IEC 60092-504:2016, - IEC 60533:2015. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.	B+D B+E B+F	16.3.2017	3.6.2020 (iii)
MED/3.54b Fixed oxygen analysis and gas detection equipment: - category 3: (explosive gas atmospheres) Row 3 of 5	Type approval requirements - SOLAS 74 Reg. II-2/4, - 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.	- EN 50104:2010, - EN 60079-0:2012 incl. A11:2013, - EN 60079-29-1:2016, - IEC 60092-504:2016, - IEC 60533:2015. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.	B+D B+E B+F	19.6.2018	12.8.2023 (iii)
MED/3.54b Fixed oxygen analysis and gas detection equipment:	Type approval requirements - SOLAS 74 Reg. II-2/4, - SOLAS 74 Reg. VI/3.	- EN 50104:2010, - EN IEC 60079-0:2018, - EN 60079-29-1:2016,	B+D B+E B+F	12.8.2020	[Date of entry into force of this

- category 3: (explosive gas atmospheres) Row 4 of 5	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.	- IEC 60092-504:2016, - IEC 60533:2015. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.			implementing regulation + 36 months] (iii)
MED/3.54b Fixed oxygen analysis and gas detection equipment: - category 3: (explosive gas atmospheres) Row 5 of 5 (NEW ROW)	Type approval requirements - SOLAS 74 Reg. II-2/4, - 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.	- EN 50104:2019. - EN IEC 60079-0:2018 incl. AC:2020, - EN 60079-29-1:2016, - IEC 60092-504:2016, - IEC 60533:2015. For combined O_2/HC systems, additionally: - IMO MSC.1/Circ.1370.	B+D B+E B+F	[Date of entry into force of this implementing regulation	

1	2	3	4	5	6
MED/3.55a Dual purpose type nozzles (spray/jet type): - Hand-held branch pipes for fire service use - Combination branch pipes PN 16 Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3.	- EN 15182-1:2007 incl. A1:2009, - EN 15182-2:2007 incl. A1:2009.	B+D B+E B+F		12.8.2023 (iii)
	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/3.55a Dual purpose type nozzles (spray/jet type): - Hand-held branch pipes for fire service use - Combination branch pipes PN 16 Row 2 of 2	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3.	- EN 15182-1:2019, - EN 15182-2:2019.	B+D B+E B+F	12.8.2020	
	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/3.55b Dual purpose type nozzles (spray/jet type): - Hand-held branch pipes for fire service use - Smooth bore jet and/or one fixed spray jet angle branch pipes PN 16 Row 1 of 2	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3.	- EN 15182-1:2007 incl. A1:2009, - EN 15182-3:2007 incl. A1:2009.	B+D B+E B+F		12.8.2023 (iii)
	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/3.55b Dual purpose type nozzles (spray/jet type): - Hand-held branch pipes for fire service use - Smooth bore jet and/or one fixed spray jet angle branch pipes PN 16 Row 2 of 2	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/3.	- EN 15182-1:2019, - EN 15182-3:2019.	B+D B+E B+F	12.8.2020	
	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.				

1	2	3	4	5	6
MED/3.56 Fixed firefighting hose systems: - hose reels with semi-rigid hose Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. X/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.	- EN 671-1:2012.	B+D B+E B+F		

1	2	3	4	5	6
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	Type approval requirements - SOLAS 74 Reg. II-2/10. Carriage and performance requirements - SOLAS 74 Reg. II-2/10.8.1, - IMO Res. MSC.98(73)-(FSS Code) 14, - IMO MSC/Circ.1239, - IMO MSC.1/Circ.1276.	- IMO MSC/Circ.798.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.58 Fixed Low Expansion 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	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 Res. MSC.98(73)-(FSS Code) 14, - IMO MSC/Circ.1239, - IMO MSC.1/Circ.1276.	- IMO MSC.1/Circ.1312, - IMO MSC.1/Circ.1312/Corr.1.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.59 Expansion Foam for Fixed Fire Extinguishing Systems for Chemical Tankers Row 1 of 1	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.	- IMO MSC.1/Circ.1312, - IMO MSC.1/Circ.1312/Corr.1.	B+D B+E B+F		

1	2	3	4	5	6
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. Carriage and performance requirements - SOLAS 74 Reg. II-2/10, - IMO Res. MSC.98(73)-(FSS Code) 7, - IMO MSC.1/Circ.1313.	- IMO MSC.1/Circ.1268.	B+D B+E B+F		

1	2	3	4	5	6
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 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. 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.1/Circ.1528.	- IMO MSC.1/Circ.1384.	B+D B+E B+F		

1	2	3	4	5	6
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 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.1/Circ.1528.	- IMO MSC.1/Circ.1384.	B+D B+E B+F		

1	2	3	4	5	6
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. 1617 (new provision).	- IMO MSC.1/Circ.1315.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.63a Sample extraction smoke detection systems components: - control and indicating equipment. Electrical installations in ships 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	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10, - EN 54-2:1997 incl. AC:1999 and A1:2006. 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.	B+D B+E B+F		1:6:2019 (iii)
MED/3.63a Sample extraction smoke detection systems components: - control and indicating equipment. Electrical installations in ships 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. II-2/19, - SOLAS 74 Reg. II-2/20. Carriage and performance requirements - SOLAS 74 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10, - EN 54-2:1997 incl. AC:1999 and A1:2006. 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.	B+D B+E B+F	19.6.2018	12.8.2023 (iii)
MED/3.63a Sample extraction smoke detection systems components: - control and indicating equipment. Electrical installations in ships Note: For products used as spare parts of existing installations the relevant standards at	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20,	- IMO Res. MSC.98(73)-(FSS Code) 10, - EN 54-2:1997 incl. AC:1999 and A1:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015. And, as applicable for explosive atmospheres: - EN IEC 60079-0:2018.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)

the time of placing on board can still be applied. Row 3 of 4	- IMO Res. MSC.98(73)-(FSS Code) 10.				
MED/3.63a Sample extraction smoke detection systems components: - control and indicating equipment. Electrical installations in ships 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 (NEW ROW)	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10. - EN 54-2:1997 incl. AC:1999 and A1:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015. And, as applicable for explosive atmospheres: - EN IEC 60079-0:2018 incl. AC:2020.	B+D B+E B+F	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/3.63b Sample extraction smoke detection systems components: - 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 1 of 4	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10, - EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006. 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.	B+D B+E B+F		1:6:2019 (iii)
MED/3.63b Sample extraction smoke detection systems components: - power supply equipment	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	- IMO Res. MSC.98(73)-(FSS Code) 10, - EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006. And, as applicable, electrical and electronic	B+D B+E B+F	19.6.2018	12.8.2023 (iii)

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	- SOLAS 74 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	installations in ships: - IEC 60092-504:2016, - IEC 60533:2015. And, as applicable for explosive atmospheres: - EN 60079-0:2012 incl. A11:2013.			
MED/3.63b Sample extraction smoke detection systems components: - 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 4	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10, - EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015. And, as applicable for explosive atmospheres: - EN IEC 60079-0:2018.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/3.63b Sample extraction smoke detection systems components: - 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 4 of 4 (NEW ROW)	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10. - EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015. And, as applicable for explosive atmospheres: - EN IEC 60079-0:2018 **incl. AC:2020**.	B+D B+E B+F	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6

MED/3.63c Sample extraction smoke detection systems components: - aspiring smoke 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	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10, - 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.	B+D B+E B+F		1:6:2019 (iii)
MED/3.63c Sample extraction smoke detection systems components: - aspiring smoke 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	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10, - 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.	B+D B+E B+F	19.6.2018	12.8.2023 (iii)
MED/3.63c Sample extraction smoke detection systems components: - aspiring smoke 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 4	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 Reg. II-2/7, - SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	- IMO Res. MSC.98(73)-(FSS Code) 10, - 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 IEC 60079-0:2018.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/3.63c Sample extraction smoke detection systems components: - aspiring smoke detectors Note: For products used as spare parts of	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 Reg. II-2/7,	- IMO Res. MSC.98(73)-(FSS Code) 10, - EN 54-20:2006 incl. AC:2008. And, as applicable, electrical and electronic installations in ships: - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	[Date of entry into force of this implementing regulation]	

existing installations the relevant standards at the time of placing on board can still be applied. Row 4 of 4 (NEW ROW)	- SOLAS 74 Reg. II-2/19, - SOLAS 74 Reg. II-2/20, - IMO Res. MSC.98(73)-(FSS Code) 10.	And, as applicable for explosive atmospheres: - EN IEC 60079-0:2018 **incl. AC:2020.**			

1	2	3	4	5	6
MED/3.64 C class divisions Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/3.10. 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.	- IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/3.65 Fixed hydrocarbon gas detection system Row 1 of 5	Type approval requirements - SOLAS 74 Reg. II-2/4. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res. MSC.98(73)-(FSS Code) 16, - IMO MSC.1/Circ.1370.	- IMO MSC.1/Circ.1370, - 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.	B+D B+E B+F		1.6.2019 (iii)
MED/3.65 Fixed hydrocarbon gas detection system Row 2 of 5	Type approval requirements - SOLAS 74 Reg. II-2/4. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res. MSC.98(73)-(FSS Code) 16, - IMO MSC.1/Circ.1370.	- IMO MSC.1/Circ.1370, - EN 60079-0:2012 incl. A11:2013, - EN 60079-29-1:2007, - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	16.3.2017	21.7.2019 (iii)
MED/3.65 Fixed hydrocarbon gas detection system Row 3 of 5	Type approval requirements - SOLAS 74 Reg. II-2/4. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res. MSC.98(73)-(FSS Code) 16, - IMO MSC.1/Circ.1370, - IMO MSC.1/Circ.1527.	- IMO MSC.1/Circ.1370, - EN 60079-0:2012 incl. A11:2013, - EN 60079-29-1:2016, - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	19.6.2018	12.8.2023 (iii)
MED/3.65 Fixed hydrocarbon gas detection system Row 4 of 5	Type approval requirements - SOLAS 74 Reg. II-2/4. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res. MSC.98(73)-(FSS Code) 16, - IMO MSC.1/Circ.1370, - IMO MSC.1/Circ.1527.	- IMO MSC.1/Circ.1370, - EN IEC 60079-0:2018, - EN 60079-29-1:2016, - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/3.65 Fixed hydrocarbon gas detection system Row 5 of 5 (NEW ROW)	Type approval requirements - SOLAS 74 Reg. II-2/4. Carriage and performance requirements - SOLAS 74 Reg. II-2/4, - IMO Res. MSC.98(73)-(FSS Code) 16, - IMO MSC.1/Circ.1370, - IMO MSC.1/Circ.1527.	- IMO MSC.1/Circ.1370, - EN IEC 60079-0:2018 incl. AC:2020, - EN 60079-29-1:2016, - IEC 60092-504:2016, - IEC 60533:2015.	B+D B+E B+F	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
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		

1	2	3	4	5	6
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 13565-1:2003 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 Row 2 of 2	Type approval requirements - SOLAS 74 Reg. II-2/18. Carriage and performance requirements - SOLAS 74 Reg. II-2/18, - IMO Res. MSC.98(73)-(FSS Code) 17.	- EN 13565-1:2019.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
MED/3.68 Galley exhaust duct dixed 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 1	Type approval requirements - SOLAS 74 Reg. II-2/9. Carriage and performance requirements - SOLAS 74 Reg. II-2/9.	- ISO 15371:2015.	B+D B+E B+F	16.3.2017	

1	2	3	4	5	6
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.1/Circ.1472.	B+D B+E B+F		
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.1/Circ.1472.	B+D B+E B+F		

1	2	3	4	5	6
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. 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.	- EN 694:2014.	B+D B+E B+F		

1	2	3	4	5	6
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. 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.	- EN 671-2:2012.	B+D B+E B+F	16.3.2017	

4. Navigation equipment

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/4.1 Magnetic compass: - class A for ships Row 1 of 3	Type approval requirements - SOLAS 74 Reg. V/18, - SOLAS 74 Reg. X/3. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.382(X), - 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.302(87).	- ISO 1069:1973, - ISO 25862:2009, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 1069:1973, - ISO 25862:2009, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G		29.8.2021 (i)
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 Reg. V/19, - IMO Res. A.382(X), - IMO Res. A.694(17),	- ISO 1069:1973, - ISO 25862:2009, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 1069:1973, - ISO 25862:2009, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G	13.9.2019	12.8.2023 (i)

Row 2 of 3	- IMO Res. MSC.36(63)-(1994 HSC Code) 13, - IMO Res. MSC.97(73)-(2000 HSC Code) 13, - IMO Res. MSC.302(87).	Note: And where 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 IEC 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, - 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. Row 3 of 3	Type approval requirements - SOLAS 74 Reg. V/18, - SOLAS 74 Reg. X/3, Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.382(X), - 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.302(87).	- ISO 1069:1973, - ISO 25862:2019, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 1069:1973, - ISO 25862:2019, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008. Note: And where IMO Res. MSC.302(87) is applicable: - EN 61162 series: EN 61162-1:2016 EN 61162-2:1998	B+D B+E B+F G	12.8.2020	

		EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 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, - IEC 62923-1:2018, - IEC 62923-2:2018. End of Note on IMO Res. MSC.302(87)			

1	2	3	4	5	6
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 HSC Code) 13, - IMO Res. MSC.116(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- ISO 22090-2:2014, - 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, - EN 62288:2014. Or: - 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 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.2 Transmitting heading device THD (magnetic method) Row 2 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 HSC Code) 13, - IMO Res. MSC.116(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- ISO 22090-2:2014, - 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - 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 Consol. with A1 Ed.	B+D B+E B+F G	13.9.2019	

		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.			

1	2	3	4	5	6
MED/4.3 Gyro compass Row 1 of 3	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.424(XI), - IMO Res. A.694(17), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- ISO 8728:2014, - 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, - EN 62288:2014. 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 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.3 Gyro compass Row 2 of 3	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.424(XI), - IMO Res. A.694(17), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- ISO 8728:2014, - 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, - 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 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, - IEC 62288 Ed. 2.0:2014-07,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-1:2018, - IEC 62923-2:2018.			
MED/4.3 Gyro compass Moved to MED/4.65 Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.65.	Testing Standards For new certificates refer to item MED/4.65.	For new certificates refer to item MED/4.65.	[Date of entry into force of this implementing regulation]	
	Carriage and performance requirements For new certificates refer to item MED/4.65.				

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.

1	2	3	4	5	6
MED/4.6 Echo-sounding equipment 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. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.224(VII), - 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.74(69) Annex 4, - IMO Res. MSC.302(87).	- EN ISO 9875:2001 incl. ISO Technical Corr. 1:2006, - 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, - EN 62288:2014. Or: - ISO 9875:2000 incl. ISO Technical Corr. 1:2006, - 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 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.6 Echo-sounding 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, - IMO Res. MSC.97(73)-(2000 HSC Code) 13. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.224(VII), - 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.74(69) Annex 4, - IMO Res. MSC.302(87).	- EN ISO 9875:2001 incl. ISO Technical Corr. 1:2006, - 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, - 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: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed.	B+D B+E B+F G	13.9.2019	

		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.			

1	2	3	4	5	6
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. 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 HSC Code) 13, - IMO Res. MSC.97(73)-(2000 HSC Code) 13, - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- 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 61162-450:2011+A1:2016, - EN 62288:2014. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61023:2007, - 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.7 Speed and distance measuring equipment (SDME) 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. 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 HSC Code) 13, - IMO Res. MSC.97(73)-(2000 HSC Code) 13, - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- 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, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61023:2007, - 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,	B+D B+E B+F G	13.9.2019	

		- 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.

1	2	3	4	5	6
MED/4.9 Rate-of-turn indicator 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. Carriage and performance requirements - 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).	- 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, - ISO 20672:2007 incl. Corr. 1:2008, - 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 Ed.1.0:2011-06 with A1:2016, - ISO 20672:2007 incl. Corr 1.:2008, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.9 Rate-of-turn 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. Carriage and performance requirements - 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).	- 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, - ISO 20672:2007 incl. Corr. 1:2008, - 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, - ISO 20672:2007 incl Corr 1:2008, - IEC 62288 Ed. 2.0:2014-07,	B+D B+E B+F G	13.9.2019	

		- 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, Chayka equipment, – Item deliberately left blank.

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

1	2	3	4	5	6
MED/4.14 GPS equipment Row 1 of 3	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. 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).	- 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 61162-450:2011+A1:2016, - EN 62288:2014. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61108-1 Ed. 2.0:2003, - 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.14 GPS equipment Row 2 of 3	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. 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).	- 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 IEC 61162-450:2018, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61108-1 Ed. 2.0: 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 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			
MED/4.14 GPS equipment Moved to MED/4.63. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.63. Carriage and performance requirements For new certificates refer to item MED/4.63.	Testing Standards For new certificates refer to item MED/4.63.	For new certificates refer to item MED/4.63.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.15 GLONASS equipment Row 1 of 3	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. 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.113(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61108-2:1998, - 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61108-2 Ed. 1.0:1998, - 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 Ed.1.0:2011-06 with A1:2016, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.15 GLONASS equipment Row 2 of 3	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. 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.113(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61108-2:1998, - 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61108-2 Ed. 1.0:1998, - 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 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			
MED/4.15 GLONASS equipment Moved to MED/4.63. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.63. Carriage and performance requirements For new certificates refer to item MED/4.63.	Testing Standards For new certificates refer to item MED/4.63.	For new certificates refer to item MED/4.63.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.16 Heading control system (HCS) Row 1 of 3	Type approval requirements - SOLAS 74 Reg. V/18. 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).	- ISO 11674:2006, - 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, - 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 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.16 Heading control system (HCS) Row 2 of 3	Type approval requirements - SOLAS 74 Reg. V/18. 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).	- ISO 11674:2006, - 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. 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 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,	B+D B+E B+F G	13.9.2019	27.11.2022 (i)

		- IEC 62923-2:2018.			
MED/4.16 Heading control system (HCS) Row 3 of 3	Type approval requirements - SOLAS 74 Reg. V/18. 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).	- ISO 11674:2019, - 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, - EN 62288:2014, - EN IEC 62923-1:2018, - 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.	B+D B+E B+F G	12.8.2020	

Item MED/4.17, Mechanical pilot hoist, - moved to MED/1.40.

1	2	3	4	5	6
MED/4.18 Search and rescue locating devices (SRLD): - 9 GHz SAR transponder (SART) Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. IV/14, - 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 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61097-1:2007. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-1: 2007.	B+D B+E B+F G		
	Carriage and performance requirements - SOLAS 74 Reg. III/6, - SOLAS 74 Reg. IV/7, - SOLAS 74 Reg. III/26, - IMO Res. A.530(13), - 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.

1	2	3	4	5	6
MED/4.20 Rudder angle indicator 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. 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.302(87).	- 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, - EN 62288:2014, - ISO 20673:2007. 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, - ISO 20673:2007.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.20 Rudder angle 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. 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.302(87).	- 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018, - ISO 20673:2007. 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 62923-1:2018, - IEC 62923-2:2018,	B+D B+E B+F G	13.9.2019	

		- ISO 20673:2007.			

1	2	3	4	5	6
MED/4.21 Propeller revolution indicator 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. 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.302(87).	- 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, - EN 62288:2014, - ISO 22554:2015. 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, - ISO 22554:2015.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.21 Propeller revolution 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. 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.302(87).	- 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018, - ISO 22554:2015. 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 62923-1:2018, - IEC 62923-2:2018,	B+D B+E B+F G	13.9.2019	

		- ISO 22554:2015.			

1	2	3	4	5	6
MED/4.22 Pitch indicator 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. 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.302(87).	- 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, - EN 62288:2014, - ISO 22555:2007. 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, - ISO 22555:2007, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
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. 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.302(87).	- 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018, - ISO 22555:2007. 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,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-1:2018, - IEC 62923-2:2018, - ISO 22555:2007.			

1	2	3	4	5	6
MED/4.23 Magnetic compass: - class B for lifeboats and rescue boats Row 1 of 2	Type approval requirements - 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.	- ISO 1069:1973, - ISO 25862:2009, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G		12.8.2023 (ii)
	Carriage and performance requirements - SOLAS 74 Reg. III/34, - IMO Res. MSC.48(66)-(LSA Code) IV, - 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	Type approval requirements - 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.	- ISO 1069:1973, - ISO 25862:2019, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G	12.8.2020	
	Carriage and performance requirements - SOLAS 74 Reg. III/34, - IMO Res. MSC.48(66)-(LSA Code) IV, - 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.				

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.

1	2	3	4	5	6
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. Carriage and performance requirements - SOLAS 74 Reg. V/20, - 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), - IMO Res. MSC.333(90).	- 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, - 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 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.29 Voyage data recorder (VDR) 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. Carriage and performance requirements - SOLAS 74 Reg. V/20, - 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), - IMO Res. MSC.333(90).	- 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, - EN 61996-1:2013 incl. IEC 61996-1 Corr. 1:2014, - 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,	B+D B+E B+F G	13.9.2019	

		- 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.			

1	2	3	4	5	6
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 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.191(79), - IMO Res. MSC.232(82), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1503. Rev.1. [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].	- 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, - 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 Ed.1.0:2011-06 with A1:2016, - IEC 61174 Ed. 4.0:2015, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
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 - 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 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.191(79), - IMO Res. MSC.232(82), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1503. Rev.1. [ECDIS back-up and RCDS are only applicable when this functionality is included in the	- 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, - EN 61174:2015, - 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 61174 Ed. 4.0: 2015,	B+D B+E B+F G	13.9.2018	

	ECDIS. The module B certificate shall indicate whether these options were tested].	- IEC 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018, - IEC 62923-2:2018.			

1	2	3	4	5	6
MED/4.31 Gyro compass for high-speed craft Row 1 of 3	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. Carriage and performance requirements - IMO Res. A.694(17), - IMO Res. A.821(19), - 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.	- ISO 16328:2014, - 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, - EN 62288:2014. 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 Ed.1.0:2011-06 with A1:2016, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.31 Gyro compass for high-speed craft Row 2 of 3	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. Carriage and performance requirements - IMO Res. A.694(17), - IMO Res. A.821(19), - 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.	- ISO 16328:2014, - 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, - 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,	B+D B+E B+F G	13.9.2018	

		- IEC 62923-2:2018.			
MED/4.31 Gyro compass for high-speed craft Moved to MED/4.65. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.6. Carriage and performance requirements For new certificates refer to item MED/4.65.	Testing Standards For new certificates refer to item MED/4.65.	For new certificates refer to item MED/4.65.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.32 Universal automatic identification system equipment (AIS) 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. 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.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).	- 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, - EN 61993-2:2013, - 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 Ed.1.0:2011-06 with A1:2016, - IEC 61993-2:2012, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.32 Universal automatic identification system equipment (AIS) 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. 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.74(69), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87), - 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).	- 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, - EN IEC 61993-2:2018, - 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 61993-2:2018,	B+D B+E B+F G	13.9.2019	

		- IEC 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018, - IEC 62923-2:2018.			

1	2	3	4	5	6
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. 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 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 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 Ed.1.0:2011-06 with A1:2016, - IEC 62065 Ed. 2.0:2014-02, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
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. 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 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, - EN 62065:2014, - 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 62065 Ed. 2.0:2014-02, - IEC 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			

1	2	3	4	5	6
MED/4.34 Radar equipment CAT 1 Row 1 of 3	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), - IMO Res. MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 62388:2013. 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, - IEC 62388 Ed. 2.0:2013-06.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.34 Radar equipment CAT 1 Row 2 of 3	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), - IMO Res .MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			

MED/4.34 Radar equipment CAT 1 Moved to MED/4.64 Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.35 Radar equipment CAT 2 Row 1 of 3	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), - IMO Res. MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62388:2013, - 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 Ed.1.0:2011-06 with A1:2016, - IEC 62388 Ed. 2.0:2013-06, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.35 Radar equipment CAT 2 Row 2 of 3	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), - IMO Res. MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62388:2013, - 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 62388 Ed. 2.0: 2013-06, - IEC 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018,	B+D B+E B+F G	13.9.2018	

		- IEC 62923-2:2018.			

MED/4.35 Radar equipment CAT 2 Moved to MED/4.64. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.36 Radar equipment CAT 3 Row 1 of 3	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), - IMO Res. MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 62388:2013. 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, - IEC 62388 Ed. 2.0:2013-06.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.36 Radar equipment CAT 3 Row 2 of 3	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), - IMO Res. MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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.	B+D B+E B+F G	13.9.2019	

MED/4.36 Radar equipment CAT 3 Moved to MED/4.64. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.37 Radar equipment for high speed craft applications (CAT 1H and CAT 2H) Row 1 of 3	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349, - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 62388:2013. 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, - IEC 62388 Ed. 2.0:2013-06.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.37 Radar equipment for high speed craft applications (CAT 1H and CAT 2H) Row 2 of 3	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349, - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			

MED/4.37 Radar equipment for high speed craft applications (CAT 1H and CAT 2H) Moved to MED/4.64. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.38a Radar equipment approved with a chart option, namely: - CAT 1C Row 1 of 4	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 62388:2013. 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, - IEC 62388 Ed. 2.0:2013-06.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.38a Radar equipment approved with a chart option, namely: - CAT 1C Row 2 of 4	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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 IEC 61162-450:2018, - EN 62288:2014, - EN 62388:2013, - IEC 62923-1:2018, - 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,	B+D B+E B+F G	13.9.2019	12.8.2023 (i)

		- 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 4	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - IMO Res. A.278(VIII), - IMO Res. A.694(17), - IMO Res. MSC.191(79), - IMO Res .MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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.	B+D B+E B+F G	12.8.2020	
MED/4.38a Radar equipment approved with a chart option, namely: - CAT 1C Note: New certification shall be carried out according to MED/4.64 CAT 1. Row 4 of 4	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.38b Radar equipment approved with a chart option, namely: - CAT 2C Row 1 of 4	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 62388:2013. 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, - IEC 62388 Ed. 2.0:2013-06.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.38b Radar equipment approved with a chart option, namely: - CAT 2C Row 2 of 4	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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 IEC 61162-450:2018, - EN 62288:2014, - EN 62388:2013, - IEC 62923-1:2018, - 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,	B+D B+E B+F G	13.9.2019	12.8.2023 (i)

		- IEC 62923-2:2018.			
MED/4.38b Radar equipment approved with a chart option, namely: - CAT 2C Row 3 of 4	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - IMO Res. A.278(VIII), - IMO Res. A.694(17), - IMO Res. MSC.191(79), - IMO Res. MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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.	B+D B+E B+F G	12.8.2020	
MED/4.38b Radar equipment approved with a chart option, namely: - CAT 2C Note: New certification shall be carried out according to MED/4.64 CAT 2. Row 4 of 4	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.38c Radar equipment for high speed craft applications approved with a chart option, namely: - CAT 1HC Row 1 of 3	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - ITU-R M.1177-4 (04/11), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349.	- 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, - EN 62288:2014, - EN 62388:2013. 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, - IEC 62388 Ed. 2.0:2013-06.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.38c Radar equipment for high speed craft applications approved with a chart option, namely: - CAT 1HC Row 2 of 3	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - ITU-R M.1177-4 (04/11), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349.	- 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, - EN 62288:2014, - EN 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,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			
MED/4.38c Radar equipment approved with a chart option, namely: - CAT 1HC Note: New certification shall be carried out according to MED/4.64 CAT 1H. Row 3 of 3	Type approval requirements Refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.38d Radar equipment for high speed craft applications approved with a chart option, namely: - CAT 2HC Row 1 of 3	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349, - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - IEC 62388 Ed. 2.0:2013-06. 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, - EN 62388:2013.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.38d Radar equipment for high speed craft applications approved with a chart option, namely: - CAT 2HC Row 2 of 3	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349, - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			
MED/4.38d Radar equipment approved with a chart option, namely: - CAT 2HC Note: New certification shall be carried out according to MED/4.64 CAT 2 H. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.39 Radar reflector - passive type Row 1 of 1	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 8729-1:2010, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 8729-1:2010, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G		
	Carriage and performance requirements - SOLAS 74 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).				

1	2	3	4	5	6
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. Carriage and performance requirements - IMO Res. A.694(17), - IMO Res. A.822(19), - 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.	- ISO 16329:2003, - 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, - EN 62288:2014. Or: - ISO 16329:2003, - 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
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)-(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), - 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.	- ISO 16329:2003, - 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - ISO 16329:2003, - 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,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			

1	2	3	4	5	6
MED/4.41 Transmitting heading device THD (GNSS method) 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. 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.116(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- ISO 22090-3:2014, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 - EN 62288:2014. 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 Ed. 2.0:2014-07. And as applicable: EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016. 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 Ed.1.0:2011-06 with A1:2016.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.41 Transmitting heading device THD (GNSS 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. 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.116(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- ISO 22090-3:2014, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61162 series: EN 61162-1:2016 EN 61162-2:1998, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. 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 Ed. 2.0:2014-07, - IEC 62923-1:2018, - IEC 62923-2:2018.	B+D B+E B+F G	13.9.2019	

		And as applicable: - EN 61162 series: EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018. Or: - IEC 61162 series: 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.			

1	2	3	4	5	6
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)-(1994 HSC Code) 13, - IMO Res. MSC.97(73)-(2000 HSC Code) 13. 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.	- ISO 17884:2004, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 17884:2004, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G		

1	2	3	4	5	6
MED/4.43 Night vision equipment for high speed craft Row 1 of 1	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 16273:2003, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 62288:2014. Or: - ISO 16273:2003, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G		
	Carriage and performance requirements - IMO Res. A.694(17), - IMO Res. MSC.36(63)-(1994 HSC Code) 13, - IMO Res. MSC.94(72), - IMO Res. MSC.97(73)-(2000 HSC Code) 13, - IMO Res. MSC.191(79).				

1	2	3	4	5	6
MED/4.44 Differential beacon receiver for DGPS and DGLONASS Equipment 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. 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.114(73).	- EN 60945:2002 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 IEC 61162-450:2018. Or: - 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 A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018.	B+D B+E B+F G	13.9.2019	
MED/4.44 Differential beacon receiver for DGPS and DGLONASS Equipment Moved to MED/4.63 Row 2 of 2	Type approval requirements For new certificates refer to item MED/4.63. Carriage and performance requirements For new certificates refer to item MED/4.63.	Testing Standards For new certificates refer to item MED/4.63.	For new certificates refer to item MED/4.63.	[Date of entry into force of this implementing regulation	

Item MED/4.45, Chart facilities for shipborne radar, - item deleted, as it is covered by MED/4.38.

1	2	3	4	5	6
MED/4.46 Transmitting heading device THD (Gyroscopic method) 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. 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.116(73), - IMO Res. MSC.191(79), - IMO Res.MSC.302(87).	- ISO 22090-1:2014, - 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, - EN 62288:2014. Or: - ISO 22090-1:2014, - 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
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. 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.116(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- ISO 22090-1:2014, - 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - ISO 22090-1:2014, - 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.	B+D B+E B+F G	13.9.2019	

1	2	3	4	5	6
MED/4.47 Simplified voyage data recorder (S-VDR) Row 1 of 2	Type approval requirements - SOLAS 74 Reg. V/20. 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 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 61996-2:2008, - 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 Ed.1.0:2011-06 with A1:2016, - IEC 61996-2:2007, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.47 Simplified voyage data recorder (S-VDR) Row 2 of 2	Type approval requirements - SOLAS 74 Reg. V/20. 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 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, - 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,	B+D B+E B+F G	13.9.2019	

		- 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”)

1	2	3	4	5	6
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 MSC/Circ.1428.	- IMO Res. A.1045(27), as amended, - ISO 799:2004.	B+D B+E B+F G		12.8.2023 (i)
MED/4.49 Pilot ladder Row 2 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 MSC/Circ.1428.	- IMO Res. A.1045(27), as amended, - ISO 799-1:2019.	B+D B+E B+F G	12.8.2020	

1	2	3	4	5	6
MED/4.50 DGPS Equipment Row 1 of 3	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. 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.114(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61108-1:2003, - EN 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, - EN 62288:2014. Or: - 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.50 DGPS Equipment Row 2 of 3	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. 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.114(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61108-1:2003, - EN 61108-4:2004, - 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. Or: - 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.	B+D B+E B+F G	13.9.2019	

		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/4.50 DGPS equipment Moved to MED/4.63. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.63. Carriage and performance requirements For new certificates refer to item MED/4.63.	Testing Standards For new certificates refer to item MED/4.63.	For new certificates refer to item MED/4.63.	[Date of entry into force of this implementing regulation	

1	2	3	4	5	6
MED/4.51 DGLONASS Equipment Row 1 of 3	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. 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.113(73), - IMO Res. MSC.114(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61108-2:1998, - EN 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, - EN 62288:2014. Or: - 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 Ed.1.0:2011-06 with A1:2016, - IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.51 DGLONASS Equipment Row 2 of 3	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. 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.113(73), - IMO Res. MSC.114(73), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61108-2:1998, - EN 61108-4:2004, - 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. Or: - 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	B+D B+E B+F G	13.9.2019	

		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 Moved to MED/4.63 Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.63. Carriage and performance requirements For new certificates refer to item MED/4.63.	Testing Standards For new certificates refer to item MED/4.63.	For new certificates refer to item MED/4.63.	[Date of entry into force of this implementing regulation]	

1	2	3	4	5	6
MED/4.52 Daylight signalling lamp Row 1 of 1	Type approval requirements - SOLAS 74 Reg. V/18, - SOLAS 74 Reg. X/3, - IMO Res. MSC.36(63)-(1994 HSC Code), - IMO Res. MSC.97(73)-(2000 HSC Code).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ISO 25861:2007. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - ISO 25861:2007.	B+D B+E 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).				

1	2	3	4	5	6
MED/4.53 Radar target enhancer Row 1 of 1	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 8729-2:2009, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 8729-2:2009, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G		
	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).				

1	2	3	4	5	6
MED/4.54 Compass bearing device Row 1 of 2	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - SOLAS 74 Reg. V/19.	- ISO 25862:2009, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 25862:2009, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G		12.8.2023 (i)
MED/4.54 Compass bearing device Row 2 of 2	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - SOLAS 74 Reg. V/19.	- ISO 25862:2019, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: - ISO 25862:2019, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G	12.8.2020	

1	2	3	4	5	6
MED/4.55 Search and rescue locating devices (SRLD): AIS SART equipment Row 1 of 1	Type approval requirements - SOLAS 74 Reg. III/4, - SOLAS 74 Reg. IV/14. 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.	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61097-14:2010. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-14:2010.	B+D B+E B+F G		

1	2	3	4	5	6
MED/4.56 Galileo Equipment Row 1 of 3	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. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.694(17), - IMO Res. A.813(19), - 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.233(82), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 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 61162-450:2011+A1:2016, - EN 62288:2014. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61108-3:2010, - 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.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.56 Galileo Equipment Row 2 of 3	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. 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.233(82), - IMO Res. MSC.302(87).	- EN 60945:2002 incl. IEC 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61108-3:2010, - 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,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			

MED/4.56 Galileo equipment Moved to MED/4.63. Row 3 of 3	Type approval requirements For new certificates refer to item MED/4.63. Carriage and performance requirements For new certificates refer to item MED/4.63.	Testing Standards For new certificates refer to item MED/4.63.	For new certificates refer to item MED/4.63.	[Date of entry into force of this implementing regulation	

1	2	3	4	5	6
MED/4.57 Bridge Navigational Watch Alarm System (BNWAS) Row 1 of 2	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.694(17), - IMO Res. MSC.128(75), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1474.	- 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, - EN 62288:2014, - IEC 62616:2010 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, - IEC 62616:2010 incl. IEC 62616 Corr. 1:2012.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.57 Bridge Navigational Watch Alarm System (BNWAS) Row 2 of 2	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - SOLAS 74 Reg. V/19, - IMO Res. A.694(17), - IMO Res. MSC.128(75), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1474.	- 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, - EN 62288:2014, - EN 62616:2010 incl. IEC 62616 Corr. 1:2012, - 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 62616:2010 incl. IEC 62616 Corr. 1:2012, - IEC 62923-1:2018,	B+D B+E B+F G	13.9.2019	

		- IEC 62923-2:2018.			

1	2	3	4	5	6
MED/4.58 Sound reception system 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), - IMO Res. MSC.97(73)-(2000 HSC Code). 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.86(70), - IMO Res. MSC.97(73)-(2000 HSC Code). - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- 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, - EN 62288:2014, - ISO 14859:2012. 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, - ISO 14859:2012.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
MED/4.58 Sound reception system 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), - IMO Res. MSC.97(73)-(2000 HSC Code). 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.86(70), - IMO Res. MSC.97(73)-(2000 HSC Code), - IMO Res. MSC.191(79), - IMO Res. MSC.302(87).	- 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018, - ISO 14859:2012. 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 61162-450:2018, - IEC 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018, - IEC 62923-2:2018,	B+D B+E B+F G	13.9.2019	

		- ISO 14859:2012.			

1	2	3	4	5	6
MED/4.59 Integrated navigation system Row 1 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 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.191(79), - IMO Res. MSC.252(83), - IMO Res. MSC.302(87).	- 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, - EN 62288:2014, - IEC 61924-2 Ed. 1.0:2012-12. 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, - IEC 61924-2 Ed. 1.0:2012-12.	B+D B+E B+F G	19.6.2018	29.8.2021 (i)
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 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.191(79), - IMO Res. MSC.252(83), - IMO Res. MSC.302(87).	- 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 IEC 61162-450:2018, - EN 62288:2014, - IEC 61924-2 Ed. 1.0: 2012-12, - IEC 62923-1:2018, - 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 61924-2 Ed. 1.0: 2012-12, - IEC 62923-1:2018,	B+D B+E B+F G	13.9.2019	12.8.2023 (i)

		- IEC 62923-2:2018.			
MED/4.59 Integrated navigation system Row 3 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 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.191(79), - IMO Res. MSC.252(83), - IMO Res. MSC.302(87).	- 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, - EN 62288:2014, - EN 61924-2:2013 incl. IEC 61924-2 Corr. 1:2013, - 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 61924-2:2012 incl. IEC 61924-2 Corr. 1:2013, - IEC 62923-1:2018, - IEC 62923-2:2018.	B+D B+E B+F G	12.8.2020	

MED/4.60 Radar equipment approved with a chart option, namely: - CAT 3C Row 1 of 2 New item inserted by Implementing Regulation (EU) 2020/1170	Type approval requirements - SOLAS 74 Reg. V/18. Carriage and performance requirements - IMO Res. A.278(VIII), - IMO Res. A.694(17), - IMO Res. MSC.191(79), - IMO Res. MSC.192(79), - IMO Res. MSC.302(87), - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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.	B+D B+E B+F G	12.8.2020	
MED/4.60 Radar equipment approved with a chart option, namely: - CAT 3C Note: New certification shall be carried out according to MED/4.64 CAT 3. Row 2 of 2	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation	

MED/4.61 Radar equipment for high speed craft applications - CAT 3H Row 1 of 2 New item inserted by Implementing Regulation (EU) 2020/1170	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349, - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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.	B+D B+E B+F G	12.8.2020	
MED/4.61 Radar equipment approved with a chart option, namely: - CAT 3H Note: New certification shall be carried out according to MED/4.64 CAT 3H. Row 2 of 2	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation	

MED/4.62 Radar equipment for high speed craft applications approved with a chart option, namely: - CAT 3HC Row 1 of 2 New item inserted by Implementing Regulation (EU) 2020/1170	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. Carriage and performance requirements - IMO Res. A.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349, - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 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.	B+D B+E B+F G	12.8.2020	
MED/4.62 Radar equipment approved with a chart option, namely: - CAT 3HC Note: New certification shall be carried out according to MED/4.64 CAT 3H. Row 2 of 2	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	[Date of entry into force of this implementing regulation	

MED/4.63 GNSS Equipment Incorporating one or more of the following elements: - GPS equipment (Moved from Ex MED/4.14) - GLONASS equipment (Moved from Ex MED/4.15) - DGPS Equipment (Moved from Ex MED/ 4.50) - DGLONASS Equipment (Moved from Ex MED/4.51) - Galileo Equipment ((Moved from Ex. MED/4.56) - Beidou (BDS) (New function) Note: Galileo and Beidou are still in a testing phase, therefore can only be used in addition to GPS and/or DGPS and/or GLONASS and/or DGLONASS. Row 1 of 1	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. 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.302(87). And for: GPS Equipment: - IMO Res. MSC.112(73). GLONNASS equipment: - IMO Res. MSC.113(73). DGPS Equipment: - IMO Res. MSC.112(73), - IMO Res. MSC.114(73). DGLONASS Equipment: - IMO Res. MSC.113(73), - IMO Res. MSC.114(73), Galileo Equipment: - IMO Res. MSC.233(82). Beidou: - IMO Res. MSC 379(93).	- 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. And for: GPS Equipment: - EN 61108-1:2003. GLONNASS equipment: - EN 61108-2:1998, DGPS Equipment: - EN 61108-1:2003, - EN 61108-4:2004. DGLONASS Equipment: - EN 61108-2:1998, - EN 61108-4:2004. Galileo Equipment: - EN 61108-3:2010. Beidou (BDS) (New function): - EN IEC 61108-5:2020. 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	B+D B+E B+F G	[Date of entry into force of this implementing regulation]	

		IEC 61162-450:2018, - IEC 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018, - IEC 62923-2:2018. And for: GPS Equipment: - IEC 61108-1 Ed. 2.0: 2003. GLONNASS equipment: - IEC 61108-2 Ed. 1.0:1998. DGPS Equipment: - IEC 61108-1 Ed. 2.0: 2003, - IEC 61108-4: 2004. DGLONASS Equipment: - IEC 61108-2 Ed. 1.0:1998, - IEC 61108-4: 2004. Galileo Equipment: - IEC 61108-3:2010. Beidou (BDS) (New function): - EN IEC 61108-5:2020.			

MED/4.64 Radar equipment - CAT 1 (Moved from Ex MED/4.34) - CAT 2 (Moved from Ex MED/4.35) - CAT 3 (Moved from Ex MED/4.36) - CAT 1H (Moved from Ex MED/4.37) - CAT 2H (Moved from Ex MED/4.37) Row 1 of 1	Type approval requirements - SOLAS 74 Reg. V/18, And for High Speed Craft: - 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.278(VIII), - 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.192(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1349, - ITU-R M.1177-4 (04/11).	- 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, - EN 62288:2014, - EN 62388:2013 incl.IEC 62388 Corr 1:2014, - 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 62288 Ed. 2.0:2014-07, - IEC 62388 Ed. 2.0: 2013-06 incl.IEC 62388 Corr 1:2014, - IEC 62923-1:2018, - IEC 62923-2:2018.	B+D B+E B+F G	[Date of entry into force of this implementing regulation]	

MED/4.65 Gyro compass (Moved from Ex MED 4.3) (Moved from Ex MED 4.31) Row 1 of 1	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. Carriage and performance requirements For gyro compass: - SOLAS 74 Reg. V/19, - IMO Res.A.424(XI), - IMO Res.A.694(17), - IMO Res.MSC.191(79), - IMO Res.MSC.302(87). For gyro compass for HSC: - IMO Res.A.694(17), - IMO Res.A.821(19), - 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.	- 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, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. And additionally for gyro compass: - ISO 8728:2014. And additionally for gyro compass for HSC: - ISO 16328:2014. 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 61162-450:2018, - IEC 62288 Ed. 2.0:2014-07, - IEC 62923-1:2018, - IEC 62923-2:2018. And additionally for gyro compass: - ISO 8728:2014. And additionally for gyro compass for HSC: - ISO 16328:2014.	B+D B+E B+F G	[Date of entry into force of this implementing regulation	

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, 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/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 1 of 6	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 MSC/Circ.862, - EN 60945:2002 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 301 843-2 V1.2.1:2004-06, - ETSI EN 301 925 V1.4.1:2013-05.	B+D B+E B+F		21.3.2019 (iii)
	Carriage and performance requirements - SOLAS 74 Reg. IV/7, - SOLAS 74 Reg. X/3, - IMO Res. A.385(X), - IMO Res. A.524(13), - 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, - 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 6	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/7, - SOLAS 74 Reg. X/3, - IMO Res. A.385(X), - IMO Res. A.524(13), - 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, - 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).	- IMO MSC/Circ.862, - 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, - ETSI EN 300 338-1 V1.3.1:2010-02, - ETSI EN 300 338-2 V1.3.1:2010-02, - ETSI EN 301 843-2 V2.1. 1:2016-03, - ETSI EN 301 925 V1.4.1:2013-05.	B+D B+E B+F	16.3.2017	1.2.2020 (iii)
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 3 of 6	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/7, - SOLAS 74 Reg. X/3, - IMO Res. A.385(X), - IMO Res. A.524(13),	- IMO MSC/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 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 301 843-2 V2.1. 1:2016-03, - ETSI EN 301 925 V1.5.1:2017-10.	B+D B+E B+F	19.6.2018	29.8.2021 (iii)

	- 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, - 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 6	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/7, - SOLAS 74 Reg. X/3, - IMO Res. A.385(X), - IMO Res. A.524(13), - 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, - IMO Res. MSC.302(87), - 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).	- IMO MSC/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 IEC 61162-450:2018, - ETSI EN 300 338-1 V1.4.1:2017-02, - ETSI EN 300 338-2 V1.4.1:2017-02, - ETSI EN 301 843-2 V2.2. 1:2017-11, - ETSI EN 301 925 V1.5.1:2017-10, - IEC 62923-1:2018, - IEC 62923-2:2018. Or: - IMO MSC/Circ.862, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-7: 1996 with A1: 2018, - 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.	B+D B+E B+F	13.9.2019	12.8.2023 (iii)

MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 5 of 6	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/7, - SOLAS 74 Reg. X/3, - IMO Res. A.385(X), - IMO Res. A.524(13), - 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, - IMO Res. MSC.302(87), - IMO MSC/Circ.862, - IMO MSC.1/Circ.1460, - IMO COMSAR/Circ.32, - ITU-R M.489-2 (10/95), - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15).	- IMO MSC/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 EN IEC 61162-450:2018, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.4.1:2017-02, - ETSI EN 301 843-2 V2.2. 1:2017-11, - ETSI EN 301 925 V1.5.1:2017-10, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - IMO MSC/Circ.862, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-7: 1996 with A1: 2018, - 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.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 6 of 6 (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. Carriage and performance requirements - SOLAS 74 Reg. IV/7, - SOLAS 74 Reg. X/3, - IMO Res. A.385(X), - IMO Res. A.524(13), - IMO Res. A.694(17), - IMO Res. A.803(19),	- IMO MSC/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 EN IEC 61162-450:2018, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.5.1:2020-06, - ETSI EN 301 843-2 V2.2. 1:2017-11, - ETSI EN 301 925 V1.6.1:2020-10, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018.	B+D B+E B+F	[Date of entry into force of this implementing regulation	

	- 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 MSC.1/Circ.1460, - IMO COMSAR/Circ.32, - ITU-R M.489-2 (10/95), - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15).	Or: - IMO MSC/Circ.862, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-7: 1996 with A1: 2018, - 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.			

1	2	3	4	5	6
MED/5.2 VHF DSC watch-keeping receiver Row 1 of 6	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/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, - 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).	- EN 60945:2002 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 301 843-2 V1.2.1:2004-06.	B+D B+E B+F		21.3.2019 (iii)
MED/5.2 VHF DSC watch-keeping receiver Row 2 of 6	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/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, - 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).	- 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, - 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 301 843-2 V2.1.1:2016-03.	B+D B+E B+F	16.3.2017	1.2.2020 (iii)
MED/5.2 VHF DSC watch-keeping receiver Row 3 of 6	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	- 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+D B+E B+F	19.6.2018	29.8.2021 (iii)

	- 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, - 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).	- 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 301 843-2 V2.1.1:2016-03.			
MED/5.2 VHF DSC watch-keeping receiver Row 4 of 6	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/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, - IMO Res. MSC.302(87), - 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).	- 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 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, - 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.	B+D B+E B+F	13.9.2019	12.8.2023 (iii)
MED/5.2 VHF DSC watch-keeping receiver Row 5 of 6	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. IEC 60945 Corr. 1:2008, - EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation

	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, - IMO Res. MSC.302(87), - IMO COMSAR/Circ.32, - ITU-R M.489-2 (10/95), - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15).	EN IEC 61162-450:2018, - 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 301 843-2 V2.2.1:2017-11, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - 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.			+ 36 months] (iii)
MED/5.2 VHF DSC watch-keeping receiver Row 6 of 6 (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. 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, - IMO Res. MSC.302(87), - IMO COMSAR/Circ.32, - ITU-R M.489-2 (10/95), - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15).	- 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, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.5.1:2020-06, - ETSI EN 301 033 V1.4.1:2013-09, - ETSI EN 301 843-2 V2.2.1:2017-11, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - 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.	B+D B+E B+F	[Date of entry into force of this implementing regulation	

		1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, - IEC 62923-1:2018, - IEC 62923-2:2018.			

1	2	3	4	5	6
MED/5.3 NAVTEX 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/7, - 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).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI EN 300 065-1 V1.2.1:2009-01, - ETSI EN 301 843-4 V1.2.1:2004-06. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-6: 2005.	B+D B+E B+F		21.3.2019 (iii)
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 Res. MSC.97(73)-(2000 HSC Code) 14. Carriage and performance requirements - SOLAS 74 Reg. IV/7, - 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).	- EN 60945:2002 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: 2005.	B+D B+E B+F	16.3.2017	1.9.2020 (iii)
MED/5.3 NAVTEX 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. Carriage and performance requirements - SOLAS 74 Reg. IV/7, - SOLAS 74 Reg. X/3,	- 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 300 065-1 V1.2.1:2009-01, - ETSI EN 301 843-4 V2.1.1:2016-03.	B+D B+E B+F	19.6.2018	29.8.2021 (iii)

	- 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).	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 61097-6: 2005.			
MED/5.3 NAVTEX 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. Carriage and performance requirements - SOLAS 74 Reg. IV/7, - 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 Res. MSC.302(87), - IMO COMSAR/Circ.32, - ITU-R M.540-2 (06/90), - ITU-R M.625-4 (03/12).	- 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 IEC 61162-450:2018, - ETSI EN 300 065-1 V1.2.1:2009-01, - 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, - 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 61097-6: 2005., - IEC 62923-1:2018, - IEC 62923-2:2018.	B+D B+E B+F	13.9.2019	12.8.2023 (iii)
MED/5.3 NAVTEX receiver Row 5 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/7, - SOLAS 74 Reg. X/3,	- 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, - 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,	B+D B+E B+F	12.8.2020	

	- 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 Res. MSC.302(87), - IMO COMSAR/Circ.32, - ITU-R M.540-2 (06/90), - ITU-R M.625-4 (03/12).	- 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 61097-6:2005 +A1:2011+A2:2019, - IEC 62923-1:2018, - IEC 62923-2:2018.			

1	2	3	4	5	6
MED/5.4 EGC 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/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.	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - 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 301 843-1 V1.3.1:2012-08. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-4:2012.	B+D B+E B+F		21.3.2019 (iii)
MED/5.4 EGC receiver Row 2 of 5	Type approval requirements - SOLAS 74 Reg. IV/14, - SOLAS 7 4 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/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.	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI ETS 300 460 Ed.1:1996-05, - 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.	B+D B+E B+F	16.3.2017	1.9.2020 (iii)
MED/5.4 EGC 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. Carriage and performance requirements - SOLAS 74 Reg. IV/7, - SOLAS 74 Reg. X/3, - IMO Res. A.570(14), - IMO Res. A.694(17),	- 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 ETS 300 460 Ed.1:1996-05, - ETSI ETS 300 460/A1:1997-11, - ETSI EN 301 843-1 V2.1.1:2016-03. Or:	B+D B+E B+F	19.6.2018	29.8.2021 (iii)

	- 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.	- 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 with A1:2016.			
MED/5.4 EGC 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. Carriage and performance requirements - 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.302(87), - IMO Res. MSC.306(87), - IMO COMSAR/Circ.32.	- 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 IEC 61162-450:2018, - 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, - 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: 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.	B+D B+E B+F	13.9.2019	12.8.2023 (iii)
MED/5.4 EGC receiver Row 5 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/7, - SOLAS 74 Reg. X/3,	- 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, - 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,	B+D B+E B+F	12.8.2020	

	- 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.302(87), - IMO Res. MSC.306(87), - IMO Res. MSC.431(98) (new provision), - IMO COMSAR/Circ.32.	- EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-4:2012 +A1:2016+A2:2019, - 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.			

1	2	3	4	5	6
MED/5.5 HF marine safety information (MSI) equipment (HF NBDP receiver) Row 1 of 3	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/7, - SOLAS 74 Reg. X/3, - IMO Res. A.694(17), - IMO Res. A.699(17), - IMO Res. A.700(17), - IMO Res. A.806(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.492-6 (10/95), - ITU-R M.540-2 (06/90), - ITU-R M.625-4 (03/12), - ITU-R M.688 (06/90).	- 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, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61162 series: IEC 61162-1 Ed.4.0:2010-11 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, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10.	B+D B+E B+F		1.9.2020 (iii)
MED/5.5 HF marine safety information (MSI) equipment (HF NBDP receiver) Row 2 of 3	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/7, - SOLAS 74 Reg. X/3, - IMO Res. A.694(17), - IMO Res. A.699(17), - IMO Res. A.700(17), - IMO Res. A.806(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.492-6 (10/95), - ITU-R M.540-2 (06/90), - ITU-R M.625-4 (03/12),	- 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 ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10, 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, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10.	B+D B+E B+F	19.6.2018	29.8.2021 (iii)

	- ITU-R M.688 (06/90).				
MED/5.5 HF marine safety information (MSI) equipment (HF NBDP receiver) Row 3 of 3	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/7, - SOLAS 74 Reg. X/3, - IMO Res. A.694(17), - IMO Res. A.699(17), - IMO Res. A.700(17), - IMO Res. A.806(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.1/Circ.1460, - IMO COMSAR/Circ.32, - ITU-R M.492-6 (10/95), - ITU-R M.540-2 (06/90), - ITU-R M.625-4 (03/12), - ITU-R M.688 (06/90).	- 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, - 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. 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, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10, - IEC 62923-1:2018, - IEC 62923-2:2018.	B+D B+E B+F	13.9.2019	

1	2	3	4	5	6
MED/5.6 406 MHz EPIRB (COSPAS-SARSAT) Row 1 of 1	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/7, - IMO Res. A.662(16), - IMO Res. A.694(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).	- IMO MSC/Circ.862, Note: IMO MSC/Circ.862 is applicable only to the optional remote activation device, not to the EPIRB itself. - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI EN 300 066 V1.3.1:2001-01. Or: - 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.	B+D B+E B+F		

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.

1	2	3	4	5	6
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 1 of 6	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 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 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).	- IMO MSC/Circ.862, - EN 60945:2002 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 300 373-1 V1.4.1:2013-09, - ETSI EN 301 843-5 V1.1.1:2004-06.	B+D B+E B+F		21.3.2019 (iii)
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 6	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 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 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).	- IMO MSC/Circ.862, - 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, - 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.	B+D B+E B+F	16.3.2017	1.9.2020 (iii)
MED/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the	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 MSC/Circ.862, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61162 series: EN 61162-1:2016 EN 61162-2:1998	B+D B+E B+F	19.6.2018	29.8.2021 (iii)

requirements for Two Tone Alarm generator and transmission on H3E are no longer applicable in the testing standards. Row 3 of 6	Carriage and performance requirements - SOLAS 74 Reg. IV/9, - 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)-(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.493-14 (09/15), - ITU-R M.541-10 (10/15), - ITU-R M.1173-1 (03/12).	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 300 373-1 V1.4.1:2013-09, - ETSI EN 301 843-5 V2.1.1:2016-03.			
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 4 of 6	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 Reg. IV/10, - SOLAS 74 Reg. X/3, - 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 Res. MSC.302(87), - 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).	- IMO MSC/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 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 300 373-1 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, - IEC 61097-3: 2017, - IEC 61097-9: 1997, - 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.	B+D B+E B+F	13.9.2019	12.8.2023 (iii)

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 6	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 Reg. IV/10, - SOLAS 74 Reg. X/3, - 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 Res. MSC.302(87), - IMO MSC.1/Circ.1460, - IMO COMSAR/Circ.32, - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15), - ITU-R M.1173-1 (03/12).	- IMO MSC/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 EN IEC 61162-450:2018, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.4.1:2017-02, - ETSI EN 300 373-1 V1.4.1:2013-09, - ETSI EN 301 843-2 V2.2.1:2017-11, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-9: 1997, - 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.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
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 6 of 6 (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. Carriage and performance requirements - SOLAS 74 Reg. IV/9, - 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)-(1994 HSC Code) 14, - IMO Res. MSC.97(73)-(2000 HSC Code) 14, - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1460,	- IMO MSC/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 EN IEC 61162-450:2018, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.5.1:2020-06, - ETSI EN 300 373-1 V1.4.1:2013-09, - ETSI EN 301 843-2 V2.2.1:2017-11, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. Or:	B+D B+E B+F	[Date of entry into force of this implementing regulation	

	- IMO COMSAR/Circ.32, - ITU-R M.493-15 (01/19), - 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 61097-9: 1997, - 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.			

1	2	3	4	5	6
MED/5.11 MF DSC watch-keeping receiver Row 1 of 6	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 Reg. IV/10, - SOLAS 74 Reg. X/3, - 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 COMSAR/Circ.32, - ITU-R M.493-13 (10/09), - ITU-R M.541-9 (05/04), - ITU-R M.1173-1 (03/12).	- EN 60945:2002 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+E B+F		21.3.2019 (iii)
MED/5.11 MF DSC watch-keeping receiver Row 2 of 6	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 Reg. IV/10, - SOLAS 74 Reg. X/3, - 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 COMSAR/Circ.32, - ITU-R M.493-14 (09/15), - ITU-R M.541-10 (10/15), - ITU-R M.1173-1 (03/12).	- 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, - 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 V2.1.1:2016-03.	B+D B+E B+F	16.3.2017	1.9.2020 (iii)
MED/5.11 MF DSC watch-keeping receiver Row 3 of 6	Type approval requirements - SOLAS 74 Reg. IV/14, - SOLAS 74 Reg. X/3, - IMO Res. MSC.36(63)-(1994 HSC Code) 14,	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61162 series: EN 61162-1 2016, EN 61162-2:1998,	B+D B+E B+F	19.6.2018	29.8.2021 (iii)

	- IMO Res. MSC.97(73)-(2000 HSC Code) 14. Carriage and performance requirements - SOLAS 74 Reg. IV/9, - 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)-(1994 HSC Code) 14, - IMO Res. MSC.97(73)-(2000 HSC Code) 14, - 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).	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.			
MED/5.11 MF DSC watch-keeping receiver Row 4 of 6	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 Reg. IV/10, - SOLAS 74 Reg. X/3, - 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 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).	- 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 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 301 843-5 V2.2.1:2017-11, - IEC 62923-1:2018, - IEC 62923-2:2018. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 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.	B+D B+E B+F	13.9.2019	12.8.2023 (iii)

MED/5.11 MF DSC watch-keeping receiver Row 5 of 6	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 Reg. IV/10, - SOLAS 74 Reg. X/3, - 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 Res. MSC.302(87), - IMO COMSAR/Circ.32, - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15), - ITU-R M.1173-1 (03/12).	- 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, - 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. Or: - 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.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/5.11 MF DSC watch-keeping receiver Row 6 of 6 (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. Carriage and performance requirements - SOLAS 74 Reg. IV/9, - 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)-(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.493-15 (01/19),	- 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, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.5.1:2020-06, - 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017,	B+D B+E B+F	[Date of entry into force of this implementing regulation	

	- ITU-R M.541-10 (10/15), - ITU-R M.1173-1 (03/12).	- 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/5.12 Inmarsat-B SES this item has been deleted as Inmarsat-B SES Service has been discontinued on 31 December 2016.

1	2	3	4	5	6
MED/5.13 Inmarsat-C SES 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, - SOLAS 74 Reg. X/3, - IMO Res. A.570(14), - IMO Res. A.664(16), Note for Res. A.644(16): applicable only if the Inmarsat C SES supports EGC functions. - 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.	- IMO MSC/Circ.862, - 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 301 843-1 V1.3.1:2012-08. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-4:2012, - IEC 61162 Series.	B+D B+E B+F		21.3.2019 (iii)
MED/5.13 Inmarsat-C SES 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 Res. MSC.97(73)-(2000 HSC Code) 14. Carriage and performance requirements - 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. - 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.	- IMO MSC/Circ.862, - 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, - ETSI ETS 300 460 Ed.1:1996-05, - 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 Ed.4.0:2010-11 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.	B+D B+E B+F	16.3.2017	1.9.2020 (iii)

MED/5.13 Inmarsat-C SES 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/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. - 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.	- IMO MSC/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 EN 61162-450:2011+A1:2016, - ETSI ETS 300 460 Ed.1:1996-05, - 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 with A1:2016.	B+D B+E B+F	19.6.2018	29.8.2021 (iii)
MED/5.13 Inmarsat-C SES 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. Carriage and performance requirements - 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. - 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.302(87), - IMO Res. MSC.306(87), - IMO MSC/Circ.862, - IMO COMSAR/Circ.32.	- IMO MSC/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 IEC 61162-450:2018, - 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, - 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: 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	B+D B+E B+F	13.9.2019	12.8.2023 (iii)

		IEC 61162-450:2018, - IEC 62923-1:2018, - IEC 62923-2:2018.			
MED/5.13 Inmarsat-C SES Row 5 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, - 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. - 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.302(87), - IMO Res. MSC.306(87), - IMO MSC/Circ.862, - IMO COMSAR/Circ.32.	- IMO MSC/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 EN IEC 61162-450:2018, - 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. IEC 60945 Corr. 1:2008, - IEC 61097-4: 2012 +A1:2016+A2:2019, - 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.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
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 1 of 6	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, - 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, - IMO MSC/Circ.862, - 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.493-13 (10/09), - ITU-R M.541-9 (05/04), - ITU-R M.625-4 (03/12), - ITU-R M.1173-1 (03/12).	- IMO MSC/Circ.862, - EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - EN 61162 series, - 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, - 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.	B+D B+E B+F		21.3.2019 (iii)
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 6	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, - 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, - IMO MSC/Circ.862, - 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),	- IMO MSC/Circ.862, - 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, - 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, - 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.	B+D B+E B+F	16.3.2017	1.9.2020 (iii)

	- 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 3 of 6	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, - 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, - IMO MSC/Circ.862, - 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).	- IMO MSC/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 EN 61162-450:2011+A1:2016, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10, - ETSI EN 300 338-1 V1.4.1:2017-02, - ETSI EN 300 338-2 V1.4.1:2017-02, - ETSI EN 300 373-1 V1.4.1:2013-09, - ETSI EN 301 843-5 V2.1.1:2016-03.	B+D B+E B+F	19.6.2018	29.8.2021 (iii)
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 6	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, - 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, - IMO Res. MSC.302(87), - IMO MSC/Circ.862, - IMO MSC.1/Circ.1460,	- IMO MSC/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 IEC 61162-450:2018, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10, - ETSI EN 300 338-1 V1.4.2:2017-11, - ETSI EN 300 338-2 V1.4.1:2017-02, - ETSI EN 300 373-1 V1.4.1:2013-09, - ETSI EN 301 843-5 V2.2.1:2017-11, - IEC 62923-1:2018, - IEC 62923-2:2018.	B+D B+E B+F	13.9.2019	12.8.2023 (iii)

	- 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).	Or: - IMO MSC/Circ.862, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-9: 1997, - 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/5.14 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 6	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, - 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, - IMO Res. MSC.302(87), - IMO MSC/Circ.862, - 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.493-15 (01/19), - ITU-R M.541-10 (10/15) - ITU-R M.625-4 (03/12), - ITU-R M.1173-1 (03/12).	- IMO MSC/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 EN IEC 61162-450:2018, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.4.1:2017-02, - ETSI EN 300 373-1 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. Or: - IMO MSC/Circ.862, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-9: 1997, - 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	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)

		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 no longer applicable in testing standards. Row 6 of 6 (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. 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, - IMO Res. MSC.302(87), - IMO MSC/Circ.862, - 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.493-15 (01/19), - ITU-R M.541-10 (10/15) - ITU-R M.625-4 (03/12), - ITU-R M.1173-1 (03/12).	- IMO MSC/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 EN IEC 61162-450:2018, - ETSI ETS 300 067 Ed.1:1990-11, - ETSI ETS 300 067/A1 Ed.1:1993-10, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.5.1:2020-06, - ETSI EN 300 373-1 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. Or: - IMO MSC/Circ.862, - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-9: 1997, - 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.	B+D B+E B+F	[Date of entry into force of this implementing regulation	

1	2	3	4	5	6
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 1 of 6	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, - 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, - IMO COMSAR/Circ.32, - ITU-R M.493-13 (10/09), - ITU-R M.541-9 (05/04).	- EN 60945:2002 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3:1994, - IEC 61097-8:1998, - IEC 61162 Series.	B+D B+E B+F		21.3.2019 (iii)
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 2 of 6	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, - 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, - 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).	- 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, - 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 V2.1.1:2016-03. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3:1994, - IEC 61097-8:1998, - IEC 61162 series: IEC 61162-1 Ed.4.0:2010-11 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.	B+D B+E B+F	16.3.2017	1.9.2020 (iii)

MED/5.15 MF/HF DSC scanning watch keeping receiver Row 3 of 6	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, - 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, - 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).	- 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, - 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, - 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.	B+D B+E B+F	19.6.2018	29.8.2021 (iii)
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 4 of 6	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, - 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, - 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).	- 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 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 301 843-5 V2.2.1:2017-11, - IEC 62923-1:2018, - IEC 62923-2:2018. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-8:1998, - IEC 61097-9: 1997, - IEC 61162 series: IEC 61162-1:2016	B+D B+E B+F	13.9.2019	12.8.2023 (iii)

		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 5 of 6	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, - 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, - IMO Res. MSC.302(87), - IMO COMSAR/Circ.32, - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15), - ITU-R M.1173-1 (03/12).	- 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, - 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-8:1998, - IEC 61097-9: 1997, - 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.	B+D B+E B+F	12.8.2020	[Date of entry into force of this implementing regulation + 36 months] (iii)
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 6 of 6	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. IEC 60945 Corr. 1:2008, - EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014	B+D B+E B+F	[Date of entry into force of this implementing regulation	

(NEW ROW)	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, - IMO Res. MSC.302(87), - IMO COMSAR/Circ.32, - ITU-R M.493-15 (01/19), - ITU-R M.541-10 (10/15), - ITU-R M.1173-1 (03/12).	EN IEC 61162-450:2018, - ETSI EN 300 338-1 V1.5.1:2019-09, - ETSI EN 300 338-2 V1.5.1:2020-06, - 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-3: 2017, - IEC 61097-8:1998, - IEC 61097-9: 1997, - 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/5.16 Aeronautical two-way VHF radio telephone apparatus Ex. MED/9/5.8 Row 1 of 1 New item inserted by Implementing Regulation (EU) 2020/1170	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 74/2009 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), - IMO COMSAR/Circ.32, - ICAO Convention, Annex 10, Radio Regulations.	- ETSI EN 301 688 V1.2.1:2016-03, - EN 60945:2002 incl. IEC 60945 Corr.1:2008. Or: - ETSI EN 301 688 V1.2.1:2016-03, - IEC 60945:2002 incl. IEC 60945 Corr.1:2008.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
MED/5.17 Portable survival craft two-way VHF radiotelephone apparatus Row 1 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 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 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).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI EN 300 225 V1.4.1:2004-12, - ETSI EN 301 843-2 V1.2.1:2004-06. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-12:1996.	B+D B+E B+F		7.12.2018 (iii)
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 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 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).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI EN 300 225 V1.5.1:2015-12, - ETSI EN 301 843-2 V2.1.0:2015-12. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-12:1996.	B+D B+E B+F	16.3.2017	1.3.2019 (iii)
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 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,	- EN 60945:2002 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. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-12:1996 +A1:2017.	B+D B+E B+F	19.6.2018	1.11.2020 (iii)

	- 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 - 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. 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).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI EN 300 225 V1.5.1:2015-12, - ETSI EN 301 843-2 V2.2.1:2017-11. Or: - IEC 60945:2002 incl. IEC 60945 Corr.1:2008, - IEC 61097-12: 1996 +A1:2017.	B+D B+E B+F	13.9.2019	

1	2	3	4	5	6
MED/5.18 Fixed survival craft two-way VHF radiotelephone apparatus Row 1 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. 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).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI EN 301 466 V1.1.1:2000-10. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-12: 1996.	B+D B+E B+F		7.12.2018 (iii)
MED/5.18 Fixed survival craft two-way VHF radiotelephone apparatus 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. 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).	- EN 60945:2002 incl. IEC 60945 Corr. 1:2008, - ETSI EN 301 466 V1.2.1:2015-12. Or: - IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, - IEC 61097-12: 1996 + A1:2017.	B+D B+E B+F	19.6.2018	

MED/5.19 – Item deleted as the Inmarsat F77 service has been discontinued as from 1 December 2020.

1	2	3	4	5	6
MED/5.20 Fire-fighter's two-way radiotelephone apparatus New item inserted by Implementing Regulation 2019/1397 Row 1 of 1	Type approval requirements - SOLAS 74 Reg. II-2/2. - SOLAS 74 Reg. II-2/10.	- EN 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, - 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. -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, - 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.	B+D B+E B+F		
	Carriage and performance requirements - SOLAS 74/2014 Reg. II-2/10. - IMO Res. A.694(17), - IMO MSC.1Circ 1616, - ITU-R M.489-2 (10/95), - ITU-R M.1174-4 (10/2019) (new provision).				

MED/5.21 Integrated communication system (ICS) New item inserted by Implementing Regulation 2019/1397 Row 1 of 1	Type approval requirements - SOLAS 74 Reg. IV/14, - SOLAS 74 Reg. X/3. Carriage and performance requirements - SOLAS 74 Reg. IV/14, - SOLAS 74 Reg. X/3, - IMO Res. A694(17), - IMO Res. A.811(19), - IMO Res. MSC.36(63)-(1994 HSC Code) 14, - IMO Res. MSC.97(73)-(2000 HSC Code) 14, - IMO Res. MSC.191(79), - IMO Res. MSC.302(87), - IMO MSC.1/Circ.1389 , - IMO COMSAR/Circ.32. - For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.	- IMO MSC/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 EN IEC 61162-450:2018, - EN 62940:2017, - EN 61924-2:2013 incl. IEC 61924-2: Corr. 1:2013, - EN 62288:2014, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018. - For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply. Or: - IMO MSC/Circ.862, - 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 61162-450:2018, - IEC 62940:2016, - IEC 61924-2:2012 incl. IEC 61924-2 Corr. 1:2013, - IEC 62288:2014, - IEC 62923-1:2018, - IEC 62923-2:2018. - For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply.	B+D B+E B+F		

MED/5.22 Ship Earth station for use in the GMDSS New item inserted by Implementing Regulation (EU) 2020/1170 Ex MED/9/5.9. Row 1 of 2	Type approval requirements - SOLAS 74 Reg. IV/14, - SOLAS 74 Reg. X/3. Carriage and performance requirements - SOLAS 74 Reg. IV/10, - IMO Res. A694(17), - IMO Res. MSC.36(63)-(1994 HSC Code) 14, - IMO Res. MSC.97(73)-(2000 HSC Code) 14, - IMO Res. MSC.302(87), - IMO Res. MSC.434(98), - IMO MSC/Circ.862, - IMO COMSAR/Circ.32.	- IMO MSC/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 EN IEC 61162-450:2018, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018, - ETSI EN 301 441 V2.1.1:2016, - IEC 61097-16:2019. Or: - IMO MSC/Circ.862, - IEC 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, for Inmarsat equipment: - ETSI ETS 300 460:1996 + A1:1997.	B+D B+E B+F		[Date of entry into force of this implementing regulation + 36 months] (iii)

MED/5.22 Ship Earth station for use in the GMDSS Inmarsat C equipment: New item inserted by Implementing Regulation (EU) 2020/1170 Inmarsat Fleet Broad Band (FBB)equipment and Iridium equipment: New item inserted by Implementing Regulation [OP – please insert the number of this Regulation] Ex MED/9/5.9. Row 2 of 2 (NEW ROW)	Type approval requirements - SOLAS 74 Reg. IV/14, - SOLAS 74 Reg. X/3. Carriage and performance requirements - SOLAS 74 Reg. IV/10, - IMO Res. A694(17), - IMO Res. MSC.36(63)-(1994 HSC Code) 14, - IMO Res. MSC.97(73)-(2000 HSC Code) 14, - IMO Res. MSC.302(87), - IMO Res. MSC.434(98), - IMO MSC/Circ.862, - IMO COMSAR/Circ.32.	- IMO MSC/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 EN IEC 61162-450:2018, - EN IEC 62923-1:2018, - EN IEC 62923-2:2018, - IEC 61097-16:2019. And additionally, for Inmarsat C equipment: - ETSI ETS 300 460:1996 + A1:1997. And additionally, for Inmarsat Fleet Broad Band (FBB)equipment: - ETSI EN 301 444 V2.1.2:2016. And additionally, for Iridium equipment: - ETSI EN 301 441 V2.1.1:2016. Or: - IMO MSC/Circ.862, - 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 61097-16:2019, - IEC 62923-1:2018, - IEC 62923-2:2018. And additionally, for Inmarsat C equipment: - ETSI ETS 300 460:1996 + A1:1997. And additionally, for Inmarsat Fleet Broad Band (FBB)equipment: - ETSI EN 301 444 V2.1.2:2016. And additionally, for Iridium equipment: - ETSI EN 301 441 V2.1.1:2016.	B+D B+E B+F	[Date of entry into force of this implementing regulation	

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+E B+F G		

7. Other safety equipment

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/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	Type approval requirements - SOLAS 74 Reg.II-2/10, - IMO Res. MSC.98(73)-(FSS Code) 3. Carriage and performance requirements - SOLAS 74 Reg. II-2/10, - SOLAS 74 Reg. II-2/15, - 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/Circ.1499.	- ISO 23269-3:2011. 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 combined component.	B+D B+E B+F G	19.6.2018	

8. Equipment under SOLAS Chapter II-1

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/8.1 Water level detectors Row 1 of 3	Type approval requirements - SOLAS 74 Reg. II-1/22-1, - SOLAS 74 Reg. II-1/25, - SOLAS 74 Reg. XII/12.	- IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, - IEC 60529 Ed. 2.2:2013, - IMO Res. MSC.188(79), - IMO MSC.1/Circ.1291.	B+D B+E B+F		22.11.2019 (iii)
	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.1464 Rev.1.				
MED/8.1 Water level detectors Row 2 of 3	Type approval requirements - SOLAS 74 Reg. II-1/22-1, - SOLAS 74 Reg. II-1/25, - SOLAS 74 Reg. XII/12.	- IEC-60092-504:2016, - IEC 60529 Ed. 2.2:2013, - IMO Res. MSC.188(79), - IMO MSC.1/Circ.1291.	B+D B+E B+F	16.3.2017	13.9.2022 (iii)
	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.1464 Rev.1.				
MED/8.1 Water level detectors Row 3 of 3	Type approval requirements - SOLAS 74 Reg. II-1/22-1, - SOLAS 74 Reg. II-1/25, - SOLAS 74 Reg. XII/12.	- IEC-60092-504:2016, - IEC 60529 Ed. 2.2:2013 incl. Corr1:2013 and Corr2:2015, - IMO Res. MSC.188(79), - IMO MSC.1/Circ.1291.	B+D B+E B+F	13.9.2019	
	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 MED/3.53 shall apply)

No.	Item designation
MED/9/2.3	Equipment using other equivalent methods to reduce on board NOx emissions
MED/9/2.4	Equipment using other technological methods to limit SOx emissions
MED/9/2.5	On board NOx analysers using a measurement method other than the Direct Measurement and Monitoring Method of the NOx 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 Inclinometer
MED/9/4.66	Nautical publications in digital form as defined by SOLAS V 27

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

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)