



2024/1975

26.7.2024

**COMMISSION IMPLEMENTING REGULATION (EU) 2024/1975**

**of 19 July 2024**

**laying down rules for the application of Directive 2014/90/EU of the European Parliament and of the Council, as regards design, construction and performance requirements and testing standards for marine equipment and repealing Commission Implementing Regulation (EU) 2023/1667**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

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

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

Whereas:

- (1) The design, construction and performance requirements and testing standards in respect of marine equipment falling within the scope of Directive 2014/90/EU are provided for in international instruments, defined in Article 2, point (5), of that Directive.
- (2) In order to take into account the most recent changes to international instruments, the list of the applicable international instruments should be updated and marine equipment which has become subject to harmonised Union requirements pursuant to Directive 2014/90/EU following those changes, should be explicitly listed.
- (3) Commission Implementing Regulation (EU) 2023/1667 <sup>(2)</sup> should therefore be repealed.
- (4) It is reasonable and proportionate to allow a transitional period during which a new item of marine equipment which is in conformity with the national requirements for type-approval in force in a Member State before the entry into force of this Regulation, can continue to be placed on the market and on board an EU ship, as defined in Article 2, point (2), of Directive 2014/90/EU.
- (5) In order to facilitate a harmonised, rapid and simple implementation of Directive 2014/90/EU, implementing acts adopted pursuant to that Directive should take the form of Implementing Regulations, in accordance with Article 35(5) of that Directive.
- (6) In order to allow the marine equipment industry and other stakeholders to adapt to the measures provided for in this Regulation, this Regulation should enter into force 40 days following its publication in the *Official Journal of the European Union*.
- (7) The measures provided for in this Regulation are in accordance with the opinion of the Committee on Safe Seas and the Prevention of Pollution from Ships,

HAS ADOPTED THIS REGULATION:

*Article 1*

The design, construction and performance requirements and the testing standards provided for in the international instruments, defined in Article 2, point (5), of Directive 2014/90/EU, shall apply to each item of marine equipment listed in the Annex to this Regulation.

<sup>(1)</sup> OJ L 257, 28.8.2014, p. 146, ELI: <http://data.europa.eu/eli/dir/2014/90/oj>.

<sup>(2)</sup> Commission Implementing Regulation (EU) 2023/1667 of 8 August 2023 laying down rules for the application of Directive 2014/90/EU of the European Parliament and of the Council, as regards design, construction and performance requirements and testing standards for marine equipment and repealing Implementing Regulation (EU) 2022/1157 (OJ L 215, 31.8.2023, p. 1, ELI: [http://data.europa.eu/eli/reg\\_impl/2023/1667/oj](http://data.europa.eu/eli/reg_impl/2023/1667/oj)).

*Article 2*

Implementing Regulation (EU) 2023/1667 is repealed.

*Article 3*

1. Marine equipment listed as a 'new item inserted by Implementing Regulation (EU) 2021/1158' in column 1 of the Annex, which is in compliance with the national requirements for type-approval in force before 25 August 2021 in a Member State, may continue to be placed on the market and on board an EU ship until 25 August 2024.
2. Marine equipment listed as a 'new item inserted by Implementing Regulation (EU) 2022/1157' in column 1 of the Annex, which is in compliance with the national requirements for type-approval in force before 15 August 2022 in a Member State, may continue to be placed on the market and on board an EU ship until 15 August 2025.
3. Marine equipment listed as a 'new item inserted by Implementing Regulation (EU) 2024/1975' in column 1 of the Annex, which is in compliance with the national requirements for type-approval in force before 4 September 2024 in a Member State, may continue to be placed on the market and on board an EU ship until 4 September 2027.

*Article 4*

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

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

Done at Brussels, 19 July 2024.

*For the Commission*  
*The President*  
Ursula VON DER LEYEN

General note: references to 'SOLAS' Regulations refer to the provisions of the International Convention for the Safety of Life at Sea [signed in London on 1 November 1974], 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.

IACS, International Association for Classification Societies.

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.

IR, Implementing Regulation.

ISO, International Organisation for Standardization.

ITU, International Telecommunication Union.

LSA, Life saving appliance.

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

MED, Marine Equipment Directive.

MEPC, Marine Environment Protection Committee.

MSC, Maritime Safety Committee.

NO<sub>x</sub>, Nitrogen Oxides.

O<sub>2</sub>/HC systems: Oxygen Hydrocarbon systems.

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

SO<sub>x</sub>, Sulphur Oxides.

Reg., Regulation.

Res., Resolution.

#### Notes applicable to 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 set out in Annex II to 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. Therefore, testing in accordance with 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 one of the following, as indicated in brackets after 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 such delivery takes place within 30 months before the first installation of the equipment in its functional position.
- (d) Where there is more than one row for one marine equipment item entry (for example MED/1.1), the lowest row contains the updated requirements of the international instruments in respect to the ones set out on the upper row or rows.
- (e) In the situations referred to in point (d) where columns 5 and 6 contain no date, that indicates that there has been no change in the testing standards and that the marine equipment item concerned must comply with the requirements indicated in the (second) lower row.

1. Life-saving appliances

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
<p>MED/1.1 Lifebuoys Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D B+E B+F</p>		<p>10.10.2026 (ii)</p>
<p>MED/1.1 Lifebuoys Row 2 of 2</p> <p>— not intended for combined use with item MED/1.10</p> <p>— intended for combined use with item MED/1.10</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> </ul>	<p>— IMO Res. MSC.81(70), as amended, — IMO Res. MSC.481(102).</p>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

<p>Note: if it is intended to operate the quick-release arrangement provided for the self-activated smoke signals and self-igniting lights, these items shall have a mass of not less than 4 kg (refer also to item MED/1.3).</p>	<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.2a</p> <p>Position-indicating lights for life-saving appliances:</p> <ul style="list-style-type: none"> <li>— for survival craft and rescue boats</li> </ul> <p>Row 1 of 1</p> <p>Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to in IMO Res. MSC 81(70), clause 10.4 shall be carried out.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1630 Rev. 2.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ISO 24408: 2005.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ISO 24408: 2005</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
<p>MED/1.2b</p> <p>Position-indicating lights for life-saving appliances:</p> <ul style="list-style-type: none"> <li>— for lifebuoys</li> </ul> <p>Row 1 of 1</p> <p>Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to in IMO Res. MSC 81(70), clause 10.4 shall be carried out.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> <li>— SOLAS 74 Reg. III/22,</li> <li>— SOLAS 74 Reg. III/32,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> </ul> <ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> </ul> <ul style="list-style-type: none"> <li>— ISO 24408: 2005.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> </ul> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> </ul> <ul style="list-style-type: none"> <li>— ISO 24408: 2005.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
<p>MED/1.2c</p> <p>Position-indicating lights for life-saving appliances:</p> <p>— for lifejackets</p> <p>Row 1 of 1</p> <p>Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to in IMO Res. MSC 81(70), clause 10.4 shall be carried out.</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p> <p>— SOLAS 74 Reg. III/26,</p> <p>— SOLAS 74 Reg. III/32,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC.1/Circ.1628 Rev. 1.</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— ISO 24408: 2005.</p> <p>Or:</p> <p>— IMO Res. MSC.81(70), as amended,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— ISO 24408: 2005.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	



1	2	3	4	5	6
<p>MED/1.3                      Lifebuoys self-activating smoke signals                      Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— ISO 15736: 2006.</li> </ul>	<p>B+D                      B+E                      B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
MED/1.4 Lifejackets Row 1 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> <li>— SOLAS 74 Reg. III/22,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC/Circ.922,</li> <li>— IMO MSC.1/Circ.1304,</li> <li>— IMO MSC.1/Circ.1470,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended.</li> </ul>	B+D B+E B+F		10.10.2026 (ii)
MED/1.4 Lifejackets Row 2 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102).</li> </ul>	B+D B+E B+F	10.10.2023	

<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/22,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.922,</li> <li>— IMO MSC.1/Circ.1304,</li> <li>— IMO MSC.1/Circ.1470,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.5a</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>— immersion suit without inherent insulation</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p> <p>— SOLAS 74 Reg. III/32,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC/Circ.1046,</p> <p>— IMO MSC.1/Circ.1628.</p>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.5a</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>— immersion suit without inherent insulation</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p> <p>— SOLAS 74 Reg. III/32,</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— IMO Res. MSC.481(102).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.5b</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>— immersion suit with inherent insulation</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p> <p>— SOLAS 74 Reg. III/32,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC/Circ.1046,</p> <p>— IMO MSC.1/Circ.1628.</p>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.5b</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>— immersion suit with inherent insulation</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— IMO Res. MSC.481(102).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/32,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.5c</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>— anti-exposure suits</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p> <p>— SOLAS 74 Reg. III/32,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC/Circ.1046,</p> <p>— IMO MSC.1/Circ.1628.</p>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.5c</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>— anti-exposure suits</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— IMO Res. MSC.481(102).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	



<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/32,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.6a</p> <p>Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket:</p> <p>— immersion suit without inherent insulation</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p> <p>— SOLAS 74 Reg. III/32,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC/Circ.1046,</p> <p>— IMO MSC.1/Circ.1628.</p>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.6a</p> <p>Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket:</p> <p>— immersion suit without inherent insulation</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— IMO Res. MSC.481(102).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/32,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.6b</p> <p>Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket:</p> <ul style="list-style-type: none"> <li>— immersion suit with inherent insulation</li> </ul> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> <li>— SOLAS 74 Reg. III/22,</li> <li>— SOLAS 74 Reg. III/32,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.6b</p> <p>Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket:</p> <ul style="list-style-type: none"> <li>— immersion suit with inherent insulation</li> </ul> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> <li>— SOLAS 74 Reg. III/22,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102).</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/32,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.6c</p> <p>Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket</p> <p>— anti-exposure suits</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p> <p>— SOLAS 74 Reg. III/32,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC/Circ.1046,</p> <p>— IMO MSC.1/Circ.1628.</p>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.6c</p> <p>Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket</p> <p>— anti-exposure suits</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/22,</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— IMO Res. MSC.481(102).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/32,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>				
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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.  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, — IMO MSC.1/Circ.1628 Rev. 1.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F		



1	2	3	4	5	6
<p>MED/1.8                      Rocket parachute flares (pyrotechnics)                      Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/6,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) III,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1629.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— ISO 15736: 2006.</li> </ul>	<p>B+D                      B+E                      B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
MED/1.9 Hand flares (pyrotechnics) Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res. MSC.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 MSC.1/Circ.1629.	— 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
<p>MED/1.10                      Buoyant smoke signals (pyrotechnics)                      Row 1 of 1                      Note: See also item MED/1.1.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/7,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) II,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) III,</li> <li>— IMO MSC.1/Circ.1629.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— ISO 15736: 2006.</li> </ul>	<p>B+D                      B+E                      B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
MED/1.11 Line-throwing appliances Row 1 of 1	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/18,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VII,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1633.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— ISO 15736: 2006.</li> </ul>	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
<p>MED/1.12 Inflatable liferafts Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/13,</li> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC/Circ.811,</li> <li>— IMO MSC.1/Circ.1328,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended. And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<p>B+D B+E B+F</p>		<p>10.10.2026 (ii)</p>
<p>MED/1.12 Inflatable liferafts Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/13,</li> </ul>	<p>— IMO Res. MSC.81(70), as amended,  — IMO Res. MSC.481(102). And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"><li>— SOLAS 74 Reg. III/21,</li><li>— SOLAS 74 Reg. III/26,</li><li>— SOLAS 74 Reg. III/31,</li><li>— SOLAS 74 Reg. III/34,</li><li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li><li>— IMO Res. MSC.48(66)-(LSA Code) I,</li><li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li><li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li><li>— IMO Res. MSC.481(102),</li><li>— IMO MSC/Circ.811,</li><li>— IMO MSC.1/Circ.1328,</li><li>— IMO MSC.1/Circ.1630 Rev 2.</li></ul>				
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1	2	3	4	5	6
<p>MED/1.13 Rigid liferafts Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D B+E B+F</p>		<p>10.10.2026 (ii)</p>
<p>MED/1.13 Rigid liferafts Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/31,</li> </ul>	<p>— IMO Res. MSC.81(70), as amended, — IMO Res. MSC.481(102).</p>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

	<ul style="list-style-type: none"><li>— SOLAS 74 Reg. III/34,</li><li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li><li>— IMO Res. MSC.48(66)-(LSA Code) I,</li><li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li><li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li><li>— IMO Res. MSC.481(102),</li><li>— IMO MSC.1/Circ.1630 Rev 2.</li></ul>				
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1	2	3	4	5	6
<p>MED/1.14a Automatically self-righting liferafts: — inflatable Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC/Circ.809,</li> <li>— IMO MSC/Circ.811,</li> <li>— IMO MSC.1/Circ.1328,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended. And for extended service intervals: — IMO MSC.1/Circ.1328.</p>	<p>B+D B+E B+F</p>		<p>10.10.2026 (ii)</p>
<p>MED/1.14a Automatically self-righting liferafts: — inflatable Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> </ul>	<p>— IMO Res. MSC.81(70), as amended,  — IMO Res. MSC.481(102). And for extended service intervals:  — IMO MSC.1/Circ.1328.</p>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"><li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li><li>— IMO Res. MSC.48(66)-(LSA Code) I,</li><li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li><li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li><li>— IMO Res. MSC.481(102),</li><li>— IMO MSC/Circ.809,</li><li>— IMO MSC/Circ.811,</li><li>— IMO MSC.1/Circ.1328,</li><li>— IMO MSC.1/Circ.1630 Rev 2.</li></ul>				
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1	2	3	4	5	6
<p>MED/1.14b</p> <p>Automatically self-righting liferafts:</p> <p>— rigid</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/26,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) IV,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC/Circ.809,</p> <p>— IMO MSC/Circ.811,</p> <p>— IMO MSC.1/Circ.1328,</p> <p>— IMO MSC.1/Circ.1630.</p>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.14b</p> <p>Automatically self-righting liferafts:</p> <p>— rigid</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/26,</p> <p>— SOLAS 74 Reg. III/34,</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— IMO Res. MSC.481(102).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"><li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li><li>— IMO Res. MSC.48(66)-(LSA Code) I,</li><li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li><li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li><li>— IMO Res. MSC.481(102),</li><li>— IMO MSC/Circ.809,</li><li>— IMO MSC/Circ.811,</li><li>— IMO MSC.1/Circ.1328,</li><li>— IMO MSC.1/Circ.1630 Rev 2.</li></ul>				
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1	2	3	4	5	6
<p>MED/1.15 Canopied reversible liferafts Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC/Circ.809,</li> <li>— IMO MSC/Circ.811,</li> <li>— IMO MSC.1/Circ.1328,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended. And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<p>B+D B+E B+F</p>		<p>10.10.2026 (ii)</p>
<p>MED/1.15 Canopied reversible liferafts Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> </ul>	<p>— IMO Res. MSC.81(70), as amended,  — IMO Res. MSC.481(102). And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

<ul style="list-style-type: none"><li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li><li>— IMO Res. MSC.48(66)-(LSA Code) I,</li><li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li><li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li><li>— IMO Res. MSC.481(102),</li><li>— IMO MSC/Circ.809,</li><li>— IMO MSC/Circ.811,</li><li>— IMO MSC.1/Circ.1328,</li><li>— IMO MSC.1/Circ.1630 Rev 2.</li></ul>				
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1	2	3	4	5	6
<p>MED/1.16</p> <p>Float-free arrangements for liferafts (hydrostatic release units)</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/13,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC/Circ.811,</li> <li>— IMO MSC.1/Circ.1630 Rev 2.</li> </ul>				

1	2	3	4	5	6
MED/1.17a Lifeboats Davit-launched lifeboats: — partially enclosed — totally enclosed 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/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 MSC.1/Circ.1630.	— IMO Res. MSC.81(70), as amended, — IMO MSC/Circ.1006.	B+D B+F G		10.10.2026 (ii)
MED/1.17a Lifeboats Davit-launched lifeboats: — partially enclosed — totally enclosed 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/21, — SOLAS 74 Reg. III/31, — SOLAS 74 Reg. III/34,	— IMO Res. MSC.81(70), as amended, — IMO Res. MSC.481(102), — IMO MSC/Circ.1006.	B+D B+F G	10.10.2023	



<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1423,</li> <li>— IMO MSC.1/Circ.1630 Rev 2.</li> </ul>				
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1	2	3	4	5	6
MED/1.17b Lifeboats Free-fall lifeboats Row 1 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1423,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO MSC/Circ.1006.</li> </ul>	B+D B+F G		10.10.2026 (ii)
MED/1.17b Lifeboats Free-fall lifeboats Row 2 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1006.</li> </ul>	B+D B+F G	10.10.2023	

<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1423,</li> <li>— IMO MSC.1/Circ.1630 Rev 2.</li> </ul>				
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1	2	3	4	5	6
<p>MED/1.17c</p> <p>Davit-launched lifeboats used as a rescue boat:</p> <ul style="list-style-type: none"> <li>— partially enclosed</li> <li>— totally enclosed</li> </ul> <p>Note: New item inserted by Implementing Regulation (EU) 2022/1157</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1423,</li> <li>— IMO MSC.1/Circ.1630,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO MSC/Circ.1006.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(ii)</p>

<p>MED/1.17c</p> <p>Davit-launched lifeboats used as a rescue boat:</p> <ul style="list-style-type: none"> <li>— partially enclosed</li> <li>— totally enclosed</li> </ul> <p>Note: New item inserted by Implementing Regulation (EU) 2022/1157</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1006.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1423,</li> <li>— IMO MSC.1/Circ.1630 Rev 2,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				

1	2	3	4	5	6
MED/1.18 Rigid rescue boats Row 1 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO MSC/Circ.1006.</li> </ul>	B+D B+F G		10.10.2026 (ii)
MED/1.18 Rigid rescue boats Row 2 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1006.</li> </ul>	B+D B+F G	10.10.2023	

<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
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1	2	3	4	5	6
MED/1.19 Inflated rescue boats Row 1 of 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— ISO 15372:2000.</li> </ul>	B+D B+F G		10.10.2026 (ii)
MED/1.19 Inflated rescue boats Row 2 of 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102),</li> <li>— ISO 15372:2000.</li> </ul>	B+D B+F G	10.10.2023	4.9.2027 (ii)



	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
<p>MED/1.19 Inflated rescue boats Row 3 of 3 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102),</li> <li>— ISO 15372:2000 incl. A1:2021.</li> </ul>	<p>B+D B+F G</p>	<p>4.9.2024</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				

1	2	3	4	5	6
MED/1.20a Fast rescue boats: — inflated Row 1 of 3	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 MSC.1/Circ.1631.	— IMO Res. MSC.81(70), as amended, — ISO 15372:2000.	B+D B+F G		10.10.2026 (ii)
MED/1.20a Fast rescue boats: — inflated Row 2 of 3	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 Res. MSC.81(70), as amended, — IMO Res. MSC.481(102), — ISO 15372:2000.	B+D B+F G	10.10.2023	4.9.2027 (ii)

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1016,</li> <li>— IMO MSC/Circ.1094,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
<p>MED/1.20a</p> <p>Fast rescue boats:</p> <p>— inflated</p> <p>Row 3 of 3 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC/Circ.1016,</li> <li>— IMO MSC/Circ.1094,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO Res. MSC.481(102),</li> <li>— ISO 15372:2000 incl. A1:2021.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>4.9.2024</p>	

1	2	3	4	5	6
MED/1.20b Fast rescue boats: — rigid Row 1 of 2	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 MSC.1/Circ.1631.	— IMO Res. MSC.81(70), as amended, — IMO MSC/Circ.1006.	B+D B+F G		10.10.2026 (ii)
MED/1.20b Fast rescue boats: — rigid Row 2 of 2	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 Res. MSC.481(102), — IMO MSC/Circ.1016, — IMO MSC/Circ.1094, — IMO MSC.1/Circ.1631.	— IMO Res. MSC.81(70), as amended, — IMO Res. MSC.481(102), — IMO MSC/Circ.1006.	B+D B+F G	10.10.2023	

1	2	3	4	5	6
<p>MED/1.20c Fast rescue boats: — rigid-inflated Row 1 of 3</p>	<p>Type approval requirements — SOLAS 74 Reg. III/4.</p> <hr/> <p>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 MSC.1/Circ.1631.</p>	<p>— IMO Res. MSC.81(70), as amended, — IMO MSC/Circ.1006, — ISO 15372:2000.</p>	<p>B+D B+F G</p>		<p>10.10.2026 (ii)</p>
<p>MED/1.20c Fast rescue boats: — rigid-inflated Row 2 of 3</p>	<p>Type approval requirements — SOLAS 74 Reg. III/4.</p> <hr/> <p>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 Res. MSC.481(102), — IMO MSC/Circ.1016, — IMO MSC/Circ.1094, — IMO MSC.1/Circ.1631.</p>	<p>— IMO Res. MSC.81(70), as amended, — IMO Res. MSC.481(102), — IMO MSC/Circ.1006, — ISO 15372:2000.</p>	<p>B+D B+F G</p>	<p>10.10.2023</p>	<p>4.9.2027 (ii)</p>

<p>MED/1.20c</p> <p>Fast rescue boats:</p> <p>— rigid-inflated</p> <p>Row 3 of 3 (NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/26,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) V,</p> <p>— IMO Res. MSC.481(102),</p> <p>— IMO MSC/Circ.1016,</p> <p>— IMO MSC/Circ.1094,</p> <p>— IMO MSC.1/Circ.1631.</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— IMO Res. MSC.481(102),</p> <p>— IMO MSC/Circ.1006,</p> <p>— ISO 15372:2000 incl. A1:2021.</p>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>4.9.2024</p>	
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1	2	3	4	5	6
<p>MED/1.21                      Launching appliances using falls (davits)                      Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/23,</li> <li>— SOLAS 74 Reg. III/33,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VI,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D                      B+E                      B+F                      G</p>		

Item MED/1.22, Float-free launching appliances for survival craft – moved to MED/9/1.3 and deleted by Implementing Regulation (EU) 2023/1667.

1	2	3	4	5	6
MED/1.23 Launching appliances for free-fall life-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/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 MSC.1/Circ.1632.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		



1	2	3	4	5	6
<p>MED/1.24 Liferaft launching appliances (Davits) Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/12,</li> <li>— SOLAS 74 Reg. III/16,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VI,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D B+E B+F G</p>		

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.  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, — IMO MSC.1/Circ.1632.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

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 MSC.1/Circ.1630 Rev 2.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
<p>MED/1.26b</p> <p>Release mechanism for:</p> <ul style="list-style-type: none"> <li>— liferafts (launched by a fall or falls)</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/16,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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.  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.1630 Rev 2.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
<p>MED/1.27 Marine evacuation systems Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/15,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VI,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D B+F G</p>		

1	2	3	4	5	6
MED/1.28 Means of rescue 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) VI, — IMO MSC.1/Circ.1632.	— IMO Res. MSC.81(70), as amended.	B+D B+F		

1	2	3	4	5	6
<p>MED/1.29 Embarkation ladders Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. III/11,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/11,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code),</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VI,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code),</li> <li>— IMO MSC.1/Circ.1285,</li> <li>— IMO MSC.1/Circ.1630 Rev 2.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— ISO 5489:2008.</li> </ul>	<p>B+D B+E B+F</p>		

1	2	3	4	5	6
MED/1.30 Retro-reflective materials Row 1 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</li> </ul>	<p>— IMO Res. A.658(16), as amended.</p>	B+D B+E B+F		15.8.2025 (i)
MED/1.30 Retro-reflective materials Row 2 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1628 Rev. 1.</li> </ul>	<p>— IMO Res. MSC.481(102).</p>	B+D B+E B+F	15.8.2022	



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
<p>MED/1.33</p> <p>Radar reflector for lifeboats and rescue boats (passive)</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. A.384(X),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.164(78).</li> </ul>	<ul style="list-style-type: none"> <li>— EN ISO 8729:1998,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— EN ISO 8729:1998,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 8729-1:2010,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 8729-1:2010,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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.  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 MSC.1/Circ.1630 Rev 2.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
MED/1.37 Rescue boat propulsion engine – out-board motor Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res. MSC.48(66)-(LSA Code) V, — IMO MSC.1/Circ.1631.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F		

1	2	3	4	5	6
<p>MED/1.38 Searchlights for use in lifeboats and rescue boats Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D B+E B+F</p>		<p>13.9.2022 (ii)</p>
<p>MED/1.38 Searchlights for use in lifeboats and rescue boats Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> </ul>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</p> <p>Or:</p> <p>— IMO Res. MSC.81(70), as amended,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</p>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1630 Rev 2.</li> </ul>				
1	2	3	4	5	6
MED/1.39 Open reversible liferafts Row 1 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) Annex 10,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) Annex 11,</li> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) Annex 10,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) Annex 11.</li> </ul> <p>And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	B+D B+F		10.10.2026 (ii)

<p>MED/1.39 Open reversible liferafts Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) Annex 10,</li> </ul>	<p>B+D B+F</p>	<p>10.10.2023</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) Annex 10,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) Annex 11,</li> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) Annex 11,</li> <li>— IMO Res. MSC.481(102).</li> </ul> <p>And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>			

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 MSC.1/Circ.1632.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		

1	2	3	4	5	6
<p>MED/1.41b</p> <p>Winches for survival craft and rescue boats:</p> <ul style="list-style-type: none"> <li>— free-fall lifeboats</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/16,</li> <li>— SOLAS 74 Reg. III/23,</li> <li>— SOLAS 74 Reg. III/24,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VI,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		

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 MSC.1/Circ.1632.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		



1	2	3	4	5	6
<p>MED/1.41d</p> <p>Winches for survival craft and rescue boats:</p> <p>— rescue boats</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/16,</p> <p>— SOLAS 74 Reg. III/17,</p> <p>— SOLAS 74 Reg. III/23,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) VI,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC.1/Circ.1632.</p>	<p>— IMO Res. MSC.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		

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 MSC.1/Circ.1632.	— 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
<p>MED/1.43 Rigid-inflated rescue boats Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO MSC/Circ.1006,</li> <li>— ISO 15372:2000.</li> </ul>	<p>B+D B+F G</p>		<p>15.8.2025 (ii)</p>
<p>MED/1.43 Rigid-inflated rescue boats Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</li> <li>— SOLAS 74 Reg. III/31,</li> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— IMO MSC/Circ.1006,</li> <li>— ISO 15372:2000 + A1:2021.</li> </ul>	<p>B+D B+F G</p>	<p>15.8.2022</p>	

<ul style="list-style-type: none"><li>— IMO Res. MSC.48(66)-(LSA Code) I,</li><li>— IMO Res. MSC.48(66)-(LSA Code) V,</li><li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li><li>— IMO MSC.1/Circ.1631.</li></ul>				
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1	2	3	4	5	6
<p>MED/1.44a</p> <p>Public Address and General Alarm Systems (PAGA)</p> <ul style="list-style-type: none"> <li>— Control and distribution system (When used as fire alarm device item A.1/3.53 shall apply.)</li> </ul> <p>Note: The certificate shall specify for which of the following categories of ship and systems the equipment is suitable:</p> <p>Ship:</p> <ul style="list-style-type: none"> <li>— Cargo ship</li> <li>— Passenger ship (excluding Safe Return to Port)</li> <li>— Passenger ship (including Safe Return to Port)</li> </ul> <p>Systems:</p> <ul style="list-style-type: none"> <li>— General Alarm (GA) systems</li> <li>— Public Address (PA) systems</li> <li>— Public Address and General Alarm (PAGA) systems</li> </ul> <p>New item inserted by Implementing Regulation (EU) 2022/1157 (moved from MED/9/1.5)</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 4,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/12,</li> <li>— SOLAS 74 Reg. II-2/21,</li> <li>— SOLAS 74 Reg. II-2/22,</li> <li>— SOLAS 74 Reg. III/6,</li> <li>— IMO Res. A.1021(26) 5,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VII,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 4,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50695:2021,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62288:2022,</li> <li>— EN 62923-1:2018,</li> <li>— EN 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— EN 50695:2021,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.808,</li> <li>— IMO MSC.1/Circ.1369/Add.1.</li> </ul>				
1	2	3	4	5	6
<p>MED/1.44b</p> <p>Public Address and General Alarm Systems (PAGA)</p> <p>— Speakers</p> <p>(When used as fire alarm device item MED/3.53 shall apply.)</p> <p>New item inserted by Implementing Regulation (EU) 2022/1157 (moved from MED/9/1.5)</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III 4,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 4,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/12,</li> <li>— SOLAS 74 Reg. II-2//21,</li> <li>— SOLAS 74 Reg. II-2/22,</li> <li>— SOLAS 74 Reg. III/6,</li> <li>— IMO Res. A.1021(26) 5,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) VII,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 4,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50695:2021,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— EN 50695:2021,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 4,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.808,</li> <li>— IMO MSC.1/Circ.1369/Add.1.</li> </ul>				
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2. Marine pollution prevention

Number and item designation	Regulations of Marpol 73/78, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
1	2	3	4	5	6
MED/2.1 Oil-filtering equipment (for an oil content of the effluent not exceeding 15 p.p.m.) Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 14. Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 14, — IMO MEPC.1/Circ. 643.	<ul style="list-style-type: none"> <li>— IMO Res. MEPC.107(49), as amended,</li> <li>— IMO MEPC.1/Circ. 643.</li> </ul>	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.	— IMO Res. MEPC.5(XIII).	B+D		
	Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 32.		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		
	Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 14, — IMO MEPC.1/Circ. 643.		B+E B+F		



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
<p>MED/2.5</p> <p>Oil discharge monitoring and control system for oil tankers</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— MARPOL 73/78 Annex I, Reg. 31,</li> <li>— IMO MEPC.1/Circ.858.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— MARPOL 73/78 Annex I, Reg. 31.</li> </ul>	<p>— IMO Res. MEPC.108(49), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/2.6a</p> <p>Sewage systems (for use by passenger ships in all areas, including a MARPOL Annex IV special area).</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— MARPOL 73/78 Annex IV, Reg. 9.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— MARPOL 73/78 Annex IV, Reg. 9.</li> </ul>	<p>— IMO Res. MEPC.227(64), including section 4.2.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>16.3.2017</p>	
<p>MED/2.6b</p> <p>Sewage systems (for use by ships, other than passenger ships, in all areas and by passenger ships outside MARPOL Annex IV special areas).</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— MARPOL 73/78 Annex IV, Reg. 9.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— MARPOL 73/78 Annex IV, Reg. 9.</li> </ul>	<p>— IMO Res. MEPC.227(64), excluding section 4.2.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>16.3.2017</p>	

1	2	3	4	5	6
MED/2.7 Shipboard incinerators (Incinerator plants with capacities up to 4 000 kW) Row 1 of 2	Type approval requirements — MARPOL 73/78 Annex VI, Reg. 16. Carriage and performance requirements — MARPOL 73/78 Annex VI, Reg. 16.	— IMO Res. MEPC.244(66).	B+D B+E B+F G	16.3.2017	4.9.2027 (iii)
MED/2.7 Shipboard incinerators (Incinerator plants with capacities up to 4 000 kW) Row 2 of 2 (NEW ROW)	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). — IMO Res. MEPC.368(79).	B+D B+E B+F G	4.9.2024	

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.291(71).	— IMO Res. MEPC.177(58) – (NOx Technical Code 2008), as amended.	B+D B+E B+F G		

Item MED/2.9, Equipment using other 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 2	Type approval requirements — IMO Res. MEPC.176(58) – (Revised MARPOL Annex VI, Reg. 4), — IMO Res. MEPC.259(68). <hr/> Carriage and performance requirements — IMO Res. MEPC.176(58) – (Revised MARPOL Annex VI, Reg. 4).	— IMO Res. MEPC.259(68).	Scheme A: B+F G Scheme B: G	19.6.2018	10.10.2026 (iii)
MED/2.10 On board exhaust gas cleaning systems Row 2 of 2	Type approval requirements — IMO Res. MEPC.176(58) – (Revised MARPOL Annex VI, Reg. 4), — IMO Res. MEPC.340(77). <hr/> Carriage and performance requirements — IMO Res. MEPC.176(58) – (Revised MARPOL Annex VI, Reg. 4).	— IMO Res. MEPC.340(77).	Scheme A: B+F G Scheme B: G	10.10.2023	

## 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.  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.	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

1	2	3	4	5	6
<p>MED/3.2                      Portable fire extinguishers                      Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 4.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. II-2/18,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. A.951(23),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 4,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC/Circ.1239,</li> <li>— IMO MSC/Circ.1275.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 3-7:2004 incl. A1:2007,</li> <li>— EN 3-8:2006 incl. AC:2007,</li> <li>— EN 3-9:2006 incl. AC:2007,</li> <li>— EN 3-10:2009.</li> </ul>	<p>B+D                      B+E                      B+F</p>		<p>15.8.2025                      (ii)</p>

<p>MED/3.2 Portable fire extinguishers Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 4.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 3-7:2004 incl. A1:2007,</li> <li>— EN 3-8:2021,</li> <li>— EN 3-9:2006 incl. AC:2007,</li> <li>— EN 3-10:2009.</li> </ul>	<p>B+D B+E B+F</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. II-2/18,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. A.951(23),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 4,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC/Circ.1239,</li> <li>— IMO MSC/Circ.1275.</li> </ul>				

1	2	3	4	5	6
<p>MED/3.3a</p> <p>Fire-fighter's outfit: protective clothing (close proximity clothing):</p> <ul style="list-style-type: none"> <li>— protective non reflective clothing for firefighting</li> </ul> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>	<p>— EN 469:2005 incl. A1:2006 and AC:2006.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>25.08.24</p> <p>(ii)</p>
<p>MED/3.3a</p> <p>Fire-fighter's outfit: protective clothing (close proximity clothing):</p> <ul style="list-style-type: none"> <li>— protective non reflective clothing for firefighting</li> </ul> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>	<p>— EN 469:2020.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>4.6.2025</p> <p>(ii)</p>

<p>MED/3.3a</p> <p>Fire-fighter's outfit: protective clothing (close proximity clothing):</p> <p>Row 3 of 3</p> <p>Note: To be exclusively certified where compliant with 'level of protection' X2 and 'grade of protection' Y2+Z2.</p> <p>Note: Not applicable to heat-reflective (e.g. aluminised) clothing.</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>	<p>— EN 469:2020.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>					



Item MED/3.3b, Fire-fighter's outfit: protective clothing (close proximity clothing): protective clothing for firefighting: reflective clothing for specialised firefighting – deleted by Implementing Regulation (EU) 2024/1975.

Item MED/3.3c, Fire-fighter's outfit: protective clothing (close proximity clothing): protective clothing for firefighting: protective clothing with a reflective outer surface – deleted by Implementing Regulation (EU) 2024/1975.

1	2	3	4	5	6
<p>MED/3.4 Fire-fighter's outfit: boots Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. II-2/15,</li> <li>— IMO Res. MSC.4(48)-(IBC Code) 11,</li> <li>— IMO Res. MSC.5(48)-(IGC Code) 11</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>	<p>— EN 15090:2012.</p>	<p>B+D B+E B+F</p>		
<p>MED/3.5 Fire-fighter's outfit: gloves Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> </ul>	<p>— EN 659:2003 incl. A1:2008 and AC:2009.</p>	<p>B+D B+E B+F</p>		

	<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>				
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. II-2/15,</li> <li>— IMO Res. MSC.4(48)-(IBC Code) 11,</li> <li>— IMO Res. MSC.5(48)-(IGC Code) 11,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>				
MED/3.6 Fire-fighter's outfit: helmet Row 1 of 1	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. II-2/15,</li> <li>— IMO Res. MSC.4(48)-(IBC Code) 11,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 443:2008.</li> </ul>	B+D B+E B+F		

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.5(48)-(IGC Code) 11,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul>				
1	2	3	4	5	6
<p>MED/3.7</p> <p>Self-contained compressed-air-operated breathing apparatus</p> <p>Note: For use in accidents involving dangerous goods a positive pressure type mask is required.</p> <p>(Refer to item MED/7.1)</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. II-2/15,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— IMO Res. MSC.4(48)-(IBC Code) 11,</li> <li>— IMO Res. MSC.5(48)-(IGC Code) 11,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3,</li> <li>— IMO MSC.1/Circ.1499,</li> <li>— IMO MSC.1/Circ.1555.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 23269-2:2011 (firefighting – maritime use only).</li> </ul> <p>Type 1 mask shall not be used in either MED/3.7 or MED/7.1.</p> <p>Note: Associated fireproof lifeline requested by ISO 23269 § 4.28 shall be MED certified as item MED 3.44 and used together 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.</p> <p>The breathing apparatus module B certificate shall indicate the MED fireproof lifeline as mandatory combined component.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
MED/3.8 Compressed air line breathing apparatus Row 1 of 1	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. Carriage and performance requirements — IMO Res. MSC.36(63)-(1994 HSC Code) 7.	— EN 14593-1:2018. Or: — EN 14594:2018.	B+D B+E B+F	13.9.2019	

1	2	3	4	5	6
<p>MED/3.9</p> <p>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)</p> <p>(Nozzles for fixed sprinkler systems, for high speed craft (HSC) are included under this item).</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 8.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.44(65),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 8,</li> <li>— IMO MSC/Circ.912,</li> <li>— IMO MSC/Circ. 1556.</li> </ul>	<p>— IMO Res. A.800(19),as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<p>MED/3.10</p> <p>Nozzles for fixed pressure water spraying fire extinguishing systems for machinery spaces and cargo pump-rooms</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 7.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 7,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11),</li> <li>— IMO MSC.1/Circ.1313.</li> </ul>	<p>— IMO MSC/Circ.1165, as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<p>MED/3.11a 'A' &amp; 'B' Class divisions fire integrity: — 'A' class division Row 1 of 2</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/3.2, — IMO MSC/Circ.1120.</p> <hr/> <p>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.</p>	<p>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended, — IMO MSC.1/Circ.1435.</p>	<p>B+D B+E B+F</p>		<p>18.5.2025 (iii)</p>
<p>MED/3.11a 'A' &amp; 'B' Class divisions fire integrity: — 'A' class division Row 2 of 2</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/3.2, — IMO MSC/Circ.1120.</p> <hr/> <p>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, — IMO MSC.1/Circ.1621.</p>	<p>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended, — IMO MSC.1/Circ.1435.</p>	<p>B+D B+E B+F</p>	<p>18.5.2022</p>	

1	2	3	4	5	6
<p>MED/3.11b</p> <p>'A' &amp; 'B' Class divisions fire integrity:</p> <ul style="list-style-type: none"> <li>— 'B' class divisions</li> </ul> <p>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.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3.4,</li> <li>— IMO MSC/Circ.1120.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3.4,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO MSC/Circ.1120,</li> <li>— IMO MSC.1/Circ.1581.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		



1	2	3	4	5	6
<p>MED/3.12a</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <ul style="list-style-type: none"> <li>— P/V valves</li> </ul> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.677, as amended,</li> <li>— EN ISO 16852:2016,</li> <li>— ISO 15364:2016.</li> </ul>	<p>B+F</p>	<p>19.6.2018</p>	<p>25.8.2024 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15.</li> </ul>				
<p>MED/3.12a</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <ul style="list-style-type: none"> <li>— P/V valves</li> </ul> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.677, as amended,</li> <li>— EN ISO 16852:2016,</li> <li>— ISO 15364:2021.</li> </ul>	<p>B+F</p>	<p>25.8.2021</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15.</li> </ul>				

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 1	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 1	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
<p>MED/3.12d</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <ul style="list-style-type: none"> <li>— high velocity vent valves</li> </ul> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.677, as amended,</li> <li>— EN ISO 16852:2016,</li> <li>— ISO 15364:2016.</li> </ul>	<p>B+F</p>	<p>19.6.2018</p>	<p>25.8.2024 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15.</li> </ul>				
<p>MED/3.12d</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <ul style="list-style-type: none"> <li>— high velocity vent valves</li> </ul> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.677, as amended,</li> <li>— EN ISO 16852:2016,</li> <li>— ISO 15364:2021.</li> </ul>	<p>B+F</p>	<p>25.8.2021</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. II-2/16.</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15.</li> </ul>				

1	2	3	4	5	6
MED/3.13 Non-combustible materials Row 1 of 1	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

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	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 10,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 10,</li> <li>— IMO MSC/Circ.1120.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. A.753(18), as amended,</li> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</li> </ul>	B+D B+E B+F		

1	2	3	4	5	6
<p>MED/3.15b</p> <p>Materials other than steel for pipes conveying oil or fuel oil:</p> <p>— valves</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 10,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 10,</li> <li>— IMO MSC/Circ.1120.</li> </ul>	<p>— EN ISO 10497:2010.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>4.9.2027</p> <p>(iii)</p>
<p>MED/3.15b</p> <p>Materials other than steel for pipes conveying oil or fuel oil:</p> <p>— valves</p> <p>Row 2 of 2</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 10,</li> </ul>	<p>— EN ISO 10497:2022.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 10,</li> <li>— IMO MSC/Circ.1120.</li> </ul>				
1	2	3	4	5	6
<p>MED/3.15c</p> <p>Materials other than steel for pipes conveying oil or fuel oil:</p> <ul style="list-style-type: none"> <li>— flexible pipe assemblies and compensators</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 10,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 10,</li> <li>— IMO MSC/Circ.1120.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 15540:2016,</li> <li>— ISO 15541:2016.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

1	2	3	4	5	6
<p>MED/3.15d</p> <p>Materials other than steel for pipes conveying oil or fuel oil:</p> <ul style="list-style-type: none"> <li>— metallic pipe components with resilient and elastomeric seals</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 19921:2005,</li> <li>— ISO 19922:2005.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 10,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 10,</li> <li>— IMO MSC/Circ.1120,</li> <li>— IMO MSC/Circ.1527.</li> </ul>				

1	2	3	4	5	6
<p>MED/3.16</p> <p>Fire Doors</p> <p>Row 1 of 1</p> <p>Note: Fire door control system components are subject to conformity assessment in accordance with item MED/3.17.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/9.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended,</li> <li>— IMO MSC.1/Circ.1319.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO MSC.1/Circ.1511.</li> </ul>				

1	2	3	4	5	6
<p>MED/3.17</p> <p>Fire door control systems components</p> <p>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.</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		



1	2	3	4	5	6
<p>MED/3.18a</p> <p>Surface materials and floor coverings with low flame-spread characteristics:</p> <p>— decorative veneers</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/6,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/6,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO MSC/Circ.1120.</li> </ul>	<p>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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

1	2	3	4	5	6
<p>MED/3.18c</p> <p>Surface materials and floor coverings with low flame-spread characteristics:</p> <p>— floor coverings</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/6,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/6,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO MSC/Circ.1120.</li> </ul>	<p>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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

1	2	3	4	5	6
<p>MED/3.18f</p> <p>Surface materials and floor coverings with low flame-spread characteristics:</p> <p>— combustible ducts membrane</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/9,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</p> <p>— SOLAS 74 Reg. II-2/9,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO MSC/Circ.1120.</p>	<p>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<p>MED/3.19                      Draperies, curtains and other suspended textile materials and films                      Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended,</li> <li>— IMO MSC.1/Circ.1456, as amended.</li> </ul>	<p>B+D                      B+E                      B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>				

1	2	3	4	5	6
<p>MED/3.20a</p> <p>Upholstered furniture:</p> <ul style="list-style-type: none"> <li>— complete piece of furniture (including cover material, filling material and non— combustible rack)</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>MED/3.20b</p> <p>Upholstered furniture:</p> <ul style="list-style-type: none"> <li>— cover material for any filling material</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	



<p>MED/3.20c</p> <p>Upholstered furniture:</p> <ul style="list-style-type: none"> <li>— cover material for flame-retardant filling material (tested in specific combination as intended for further application)</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>					
<p>MED/3.20d</p> <p>Upholstered furniture:</p> <ul style="list-style-type: none"> <li>— flame-retardant filling material</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3,</li> <li>— SOLAS 74 Reg. II-2/5,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>					

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.  Carriage and performance requirements — SOLAS 74 Reg. II-2/9, — IMO Res. MSC.1/Circ.1655.	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

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 fireproof windows and side scuttles 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.5(48)-(IGC Code) 3, — 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/3.26a 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.1/Circ.1655.	— 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. Carriage and performance requirements — SOLAS 74 Reg. II-2/9, — IMO Res. MSC.1/Circ.1276 Rev.1, — IMO Res. MSC.1/Circ.1655.	— 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/3.26c Penetrations through 'A' class divisions: — busbar trunking penetration systems Row 1 of 1 New item inserted by Implementing Regulation (EU) 2022/1157	Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9, — IMO Res. MSC.1/Circ.1655.	— 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/3.27a Penetrations through 'B' class divisions: — electric cable transits Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9, — IMO Res. MSC.1/Circ.1655.	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

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.1/Circ.1655.	— 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.) : 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. 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		15.8.2025 (iii)

<p>MED/3.28</p> <p>Sprinkler systems (limited to sprinkler heads) (Nozzles for fixed sprinkler systems, for high-speed craft (HSC) are included under this item.)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.44(65),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 8,</li> <li>— IMO MSC/Circ.912,</li> <li>— IMO MSC.1/Circ.1556.</li> </ul>	<p>— ISO 6182-1:2021.</p> <p>Or:</p> <ul style="list-style-type: none"> <li>— EN 12259-1:1999 incl. A1:2001, A2:2004 and A3:2006.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	
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1	2	3	4	5	6
<p>MED/3.29</p> <p>Fire-fighting hoses:</p> <ul style="list-style-type: none"> <li>— non-percolating lay flat firefighting hoses (range of the inside diameter from 25 mm to 52 mm)</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> </ul>	<p>— EN 14540:2014.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

	— IMO Res. MSC.97(73)-(2000 HSC Code) 7.				
<p>MED/3.30a</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <p>— category 1: (safe area)</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p>	<p>— EN 50104:2010,</p> <p>— EN 60079-29-1:2016,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(ii)</p>
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— IMO MSC.1/Circ.1477,</p> <p>— IMO MSC.1/Circ.1581.</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>			
<p>MED/3.30a</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <p>— category 1: (safe area)</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p>	<p>— EN 50104:2019,</p> <p>— EN 60079-29-1:2016,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>4.9.2027</p> <p>(ii)</p>
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>			

	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1477,</li> <li>— IMO MSC.1/Circ.1581.</li> </ul>				
<p>MED/3.30a</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <ul style="list-style-type: none"> <li>— category 1: (safe area)</li> </ul> <p>Row 3 of 3 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3,</li> <li>— SOLAS 74 Reg. XI-1/7.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3,</li> <li>— SOLAS 74 Reg. XI-1/7.</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> <li>— IMO MSC.1/Circ.1477,</li> <li>— IMO MSC.1/Circ.1581.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2019 incl. EN 50104:2019/A1:2023,</li> <li>— EN 60079-29-1:2016 incl. EN 60079-29-1:2016/A1:2022 and EN 60079-29-1:2016/A11:2022,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	4.9.2024	
<p>MED/3.30b</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <ul style="list-style-type: none"> <li>— category 2: (explosive gas atmospheres)</li> </ul> <p>Row 1 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3,</li> <li>— SOLAS 74 Reg. XI-1/7.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3,</li> <li>— SOLAS 74 Reg. XI-1/7.</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> <li>— IMO MSC.1/Circ.1477,</li> <li>— IMO MSC.1/Circ.1581.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2010,</li> <li>— EN 60079-29-1:2016,</li> <li>— EN IEC 60079-0:2018,</li> <li>— EN 60079-1:2014,</li> <li>— EN 60079-10-1:2015,</li> <li>— EN 60079-11:2012,</li> <li>— EN 60079-15:2010,</li> <li>— EN 60079-26:2015,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	12.8.2020	25.8.2024 (ii)



<p>MED/3.30b</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <p>— category 2: (explosive gas atmospheres)</p> <p>Row 2 of 5</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p>	<p>— EN 50104:2019,</p> <p>— EN 60079-29-1:2016,</p> <p>— EN IEC 60079-0:2018, incl. AC:2020,</p> <p>— EN 60079-1:2014,</p> <p>— EN 60079-10-1:2015,</p> <p>— EN 60079-11:2012,</p> <p>— EN 60079-15:2010,</p> <p>— EN 60079-26:2015,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>15.8.2025</p> <p>(ii)</p>
<p>MED/3.30b</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <p>— category 2: (explosive gas atmospheres)</p> <p>Row 3 of 5</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p>	<p>— EN 50104:2019,</p> <p>— EN 60079-29-1:2016,</p> <p>— EN IEC 60079-0:2018, incl. AC:2020,</p> <p>— EN 60079-1:2014, incl.AC:2018-09,</p> <p>— EN 60079-10-1:2021,</p> <p>— EN 60079-11:2012,</p> <p>— EN 60079-15:2010,</p> <p>— EN 60079-26:2015,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(ii)</p>
<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— IMO MSC.1/Circ.1477,</p> <p>— IMO MSC.1/Circ.1581.</p>					

<p>MED/3.30b</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <p>— category 2: (explosive gas atmospheres)</p> <p>Row 4 of 5</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p>	<p>— EN 50104:2019,</p> <p>— EN IEC 60079-0:2018, incl. AC:2020,</p> <p>— EN 60079-1:2014, incl.AC:2018-09,</p> <p>— EN IEC 60079-10-1:2021,</p> <p>— EN 60079-11:2012,</p> <p>— EN IEC 60079-15:2019,</p> <p>— EN 60079-26:2015,</p> <p>— EN 60079-29-1:2016 incl. A1:2022 and A11:2022,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	<p>4.9.2027</p> <p>(ii)</p>
<p>MED/3.30b</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <p>— category 2: (explosive gas atmospheres)</p> <p>Row 5 of 5</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p>	<p>— EN 50104:2019 incl. EN 50104:2019/A1:2023,</p> <p>— EN IEC 60079-0:2018, incl. AC:2020,</p> <p>— EN 60079-1:2014, incl.AC:2018-09,</p> <p>— EN IEC 60079-10-1:2021,</p> <p>— EN 60079-11:2012,</p> <p>— EN IEC 60079-15:2019,</p> <p>— EN 60079-26:2015,</p> <p>— EN 60079-29-1:2016 incl. A1:2022 and A11:2022,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	
<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— SOLAS 74 Reg. XI-1/7.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— IMO MSC.1/Circ.1477,</p> <p>— IMO MSC.1/Circ.1581.</p>					

		<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, or IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>			
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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.  Carriage and performance requirements — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO MSC.1/Circ.1457.	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

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 in accordance with item MED/3.17.	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/3.36 Fire dampers on high-speed craft Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3.  Carriage and performance requirements — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7.	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		

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.	— 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
<p>MED/3.38</p> <p>Portable fire-extinguishing equipment for lifeboats and rescue boats</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. A.951(23),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 3-7:2004 incl. A1:2007,</li> <li>— EN 3-8:2006 incl. AC:2007,</li> <li>— EN 3-9:2006 incl. AC:2007,</li> <li>— EN 3-10:2009.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>25.8.2025</p> <p>(ii)</p>
<p>MED/3.38</p> <p>Portable fire-extinguishing equipment for lifeboats and rescue boats</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/34,</li> <li>— IMO Res. A.951(23),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) I,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 3-7:2004 incl. A1:2007,</li> <li>— EN 3-8:2021,</li> <li>— EN 3-9:2006 incl. AC:2007,</li> <li>— EN 3-10:2009.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2022</p>	

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</li> </ul>				
1	2	3	4	5	6
<p>MED/3.39</p> <p>Nozzles for equivalent water-mist fire extinguishing systems for machinery spaces and cargo pump rooms</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 7.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 7,</li> <li>— IMO MSC.1/Circ.1313,</li> <li>— IMO MSC.1/Circ.1458.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.1165, as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<p>MED/3.40</p> <p>Low-location lighting systems (components only)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 11.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. A.752(18),</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 11.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. A.752(18),</li> <li>— ISO 15370:2010.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>25.8.2024</p> <p>(ii)</p>
<p>MED/3.40</p> <p>Low-location lighting systems (components only)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 11.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. A.752(18),</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 11.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. A.752(18),</li> <li>— ISO 15370:2021.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>4.9.2027</p> <p>(ii)</p>
<p>MED/3.40</p> <p>Low-location lighting systems (components only)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 3 of 3</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 11.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. A.752(18),</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 11.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 15370:2021 incl. ISO 15370:2021 /Amd1:2023.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	



1	2	3	4	5	6
<p>MED/3.41a</p> <p>Emergency escape breathing devices (EEBD):</p> <ul style="list-style-type: none"> <li>— self-contained open-circuit compressed air breathing apparatus with full mask or mouthed piece assembly for escape</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3,</li> <li>— IMO MSC/Circ.849.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 23269-1:2008,</li> <li>— EN 402:2003.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.41b</p> <p>Emergency escape breathing devices (EEBD):</p> <ul style="list-style-type: none"> <li>— self-contained open-circuit compressed air breathing apparatus with a hood for escape</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3,</li> <li>— IMO MSC/Circ.849.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 23269-1:2008,</li> <li>— EN 1146:2005.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.41c</p> <p>Emergency escape breathing devices (EEBD):</p> <ul style="list-style-type: none"> <li>— self-contained closed-circuit compressed air breathing apparatus</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/13,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 3,</li> <li>— IMO MSC/Circ.849.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 23269-1:2008,</li> <li>— EN 13794:2002.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
MED/3.42a Inert gas systems: Whole system. Row 1 of 2	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.	G	12.8.2020	10.10.2026 (iii)
MED/3.42a Inert gas systems: Whole system. Row 2 of 2	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, — IMO Res. MSC.98(73)-(FSS Code) 15.	G	10.10.2023	

<p>MED/3.42b</p> <p>Inert gas systems:</p> <ul style="list-style-type: none"> <li>— single components: <ul style="list-style-type: none"> <li>— inert gas scrubbers</li> </ul> </li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4.</li> </ul>	<p>— IMO MSC/Circ.353, as amended.</p>	<p>B+D B+E B+F G</p>		
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. A.567(14),</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> <li>— IMO MSC/Circ.353,</li> <li>— IMO MSC/Circ.485,</li> <li>— IMO MSC/Circ.731,</li> <li>— IMO MSC/Circ.1120.</li> </ul>					
<p>MED/3.42c</p> <p>Inert gas systems:</p> <ul style="list-style-type: none"> <li>— single components: <ul style="list-style-type: none"> <li>— inert gas blowers</li> </ul> </li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4.</li> </ul>	<p>— IMO MSC/Circ.353, as amended.</p>	<p>B+D B+E B+F G</p>		
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. A.567(14),</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> <li>— IMO MSC/Circ.353,</li> <li>— IMO MSC/Circ.485,</li> <li>— IMO MSC/Circ.731,</li> <li>— IMO MSC/Circ.1120.</li> </ul>					

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 1	Type approval requirements — SOLAS 74 Reg. II-2/1, — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3. 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.	— ISO 15371:2015.	B+D B+E B+F	16.3.2017	

1	2	3	4	5	6
MED/3.44 Fire-fighters outfit – lifeline — lifelines for breathing apparatus approved under item MED/3.7 and item MED/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. 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.	— 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	

1	2	3	4	5	6
<p>MED/3.45</p> <p>Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5,</li> <li>— IMO MSC/Circ.848,</li> <li>— IMO MSC.1/Circ.1313.</li> </ul>	<p>— IMO MSC/Circ.848, as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>15.8.2025</p> <p>(iii)</p>
<p>MED/3.45</p> <p>Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> </ul>	<p>— IMO MSC/Circ.848, as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC/Circ.848,</li> <li>— IMO MSC.1/Circ.1313.</li> </ul>				
1	2	3	4	5	6
<p>MED/3.46</p> <p>Equivalent fixed gas fire extinguishing systems for machinery spaces (aerosol systems)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.1270 incl. Corr.1, as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>15.8.2025</p> <p>(iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5,</li> <li>— IMO MSC/Circ.1270 incl. Corr.1,</li> <li>— IMO MSC.1/Circ.1313.</li> </ul>				

<p>MED/3.46</p> <p>Equivalent fixed gas fire extinguishing systems for machinery spaces (aerosol systems)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.1270 incl. Corr.1, as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC/Circ.1270 incl. Corr.1,</li> <li>— IMO MSC.1/Circ.1313.</li> </ul>				

1	2	3	4	5	6
<p>MED/3.47</p> <p>Concentrate for fixed high expansion foam fire extinguishing systems for machinery spaces and cargo pump rooms</p> <p>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.</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 6.</p>	<p>— IMO MSC/Circ.670.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>15.8.2025</p> <p>(iii)</p>
<p>MED/3.47</p> <p>Concentrate for fixed high expansion foam fire extinguishing systems for machinery spaces and cargo pump rooms</p> <p>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.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 6,</p> <p>— IMO Res. MSC.391(95)-(IGF Code) 11.</p>	<p>— IMO MSC/Circ.670.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	



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 ro-ro spaces, vehicle spaces and special category spaces: — prescriptive-based systems as per IMO MSC.1/Circ.1430, Revision 3 Row 1 of 1	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 3.	B+D B+E B+F	4.9.2024	

1	2	3	4	5	6
<p>MED/3.49b</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces:</p> <p>— performance-based systems as per IMO MSC.1/Circ. 1430, Revision 3</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 7.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 7.</li> </ul>	<p>— IMO MSC.1/Circ.1430, Revision 3.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	

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

1	2	3	4	5	6
<p>MED/3.51a</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>— control and indicating equipment</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242,</li> <li>— IMO MSC.1/Circ.1487,</li> <li>— IMO MSC.1/Circ.1528.</li> </ul>	<p>Electrical installations in ships:</p> <ul style="list-style-type: none"> <li>— EN 54-2:1997 incl. AC:1999 and A1:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>15.8.2025</p> <p>(iii)</p>

<p>MED/3.51a</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>— control and indicating equipment</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul>	<p>Electrical installations in ships:</p> <ul style="list-style-type: none"> <li>— EN 54-2:1997 incl. AC:1999 and A1:2006.</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or,</p> <ul style="list-style-type: none"> <li>— EN 54-2:1997 incl. AC:1999 and A1:2006.</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242,</li> <li>— IMO MSC.1/Circ.1487,</li> <li>— IMO MSC.1/Circ.1528.</li> </ul>					

1	2	3	4	5	6
<p>MED/3.51b</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>— power supply equipment</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242,</li> <li>— IMO MSC.1/Circ.1554.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

1	2	3	4	5	6
<p>MED/3.51c</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <ul style="list-style-type: none"> <li>— heat detectors – point detectors</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 54-5:2017 incl. A1:2018.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
<p>MED/3.51d</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <ul style="list-style-type: none"> <li>— smoke detectors: point detectors using scattered light, transmitted light or ionization</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 54-7:2018.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	

1	2	3	4	5	6
<p>MED/3.51e</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>— flame detectors: point detectors</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 9.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 9,</p> <p>— IMO Res. MSC.391(95)-(IGF Code) 11,</p> <p>— IMO MSC.1/Circ.1242.</p>	<p>— EN 54-10:2002 incl. A1:2005,</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	



1	2	3	4	5	6
<p>MED/3.51f</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <ul style="list-style-type: none"> <li>— manual call points</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 54-11:2001 incl. A1:2005.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

1	2	3	4	5	6
<p>MED/3.51g</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>— short circuit isolators</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 9.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 9,</p> <p>— IMO Res. MSC.391(95)-(IGF Code) 11,</p> <p>— IMO MSC.1/Circ.1242.</p>	<p>— EN 54-17:2005 incl. AC:2007.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

1	2	3	4	5	6
<p>MED/3.51h</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>— input/output devices</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242.</li> </ul>	<p>— EN 54-18:2005 incl. AC:2007.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

<p>MED/3.51i</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>— cables</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 9.</p>	<p>— EN 60332-1-2:2004 incl. A1:2015 and A11:2016,</p> <p>— IEC 60092-376:2017.</p> <p>And, as applicable, electrical and electronic installations in ships:</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>15.8.2025</p> <p>(iii)</p>
<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 9,</p> <p>— IMO Res. MSC.391(95)-(IGF Code) 11,</p> <p>— IMO MSC.1/Circ.1242.</p>	<p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>— IEC 60332-1-2:2004 incl. A1:2015.</p> <p>And/or:</p> <p>Fire Resistant Cables:</p> <p>— IEC 60092-376:2017,</p> <p>— IEC 60331-1:2018 or IEC 60331-2:2018.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015,</p> <p>— IEC 60332-1-2:2004 incl. A1:2015.</p>				

<p>MED/3.51i</p> <p>Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <ul style="list-style-type: none"> <li>— cables</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60332-1-2:2004 incl. A1:2015, A11:2016 and A12:2020,</li> <li>— IEC 60092-376:2017.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9,</li> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60332-1-2:2004 incl. A1:2015.</li> </ul> <p>And/or: Fire Resistant Cables:</p> <ul style="list-style-type: none"> <li>— IEC 60092-376:2017,</li> <li>— IEC 60331-1:2018 or IEC 60331-2:2018.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015,</li> <li>— IEC 60332-1-2:2004 incl. A1:2015.</li> </ul>			

1	2	3	4	5	6
MED/3.52 Non-portable and transportable fire extinguishers Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3.	— 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	
	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.				

1	2	3	4	5	6
MED/3.53 Fire alarm devices – sounders 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.	— 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.				

<p>MED/3.53 Fire alarm devices – sounders Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 54-3:2014 incl. A1:2019,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>	<p>B+D B+E B+F</p>	<p>12.8.2020</p>	
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 9.</li> <li>— IMO MSC.1/Circ.1242,</li> <li>— IMO MSC.1/Circ.1487.</li> </ul>					

1	2	3	4	5	6
<p>MED/3.54a</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 4: (safe area)</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— for combined O<sub>2</sub>/HC systems additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>— EN 50104:2010,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>
<p>MED/3.54a</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 4: (safe area)</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— for combined O<sub>2</sub>/HC systems additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>— EN 50104:2019,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>4.9.2027</p> <p>(iii)</p>



<p>MED/3.54a</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 4: (safe area)</p> <p>Row 3 of 3 (NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3.</p>	<p>— EN 50104:2019 incl. EN 50104:2019/A1:2023,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	
	<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— for combined O<sub>2</sub>/HC systems additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>			

1	2	3	4	5	6
<p>MED/3.54b</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 3: (explosive gas atmospheres)</p> <p>Row 1 of 4</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— for combined O<sub>2</sub>/HC systems additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>— EN 50104:2010,</p> <p>— EN 60079-0:2012 incl. A11:2013,</p> <p>— EN 60079-29-1:2016,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>12.8.2023</p> <p>(iii)</p>
<p>MED/3.54b</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 3: (explosive gas atmospheres)</p> <p>Row 2 of 4</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— for combined O<sub>2</sub>/HC systems additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>— EN 50104:2010,</p> <p>— EN IEC 60079-0:2018,</p> <p>— EN 60079-29-1:2016,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>

<p>MED/3.54b</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 3: (explosive gas atmospheres)</p> <p>Row 3 of 4</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— for combined O<sub>2</sub>/HC systems additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>— EN 50104:2019,</p> <p>— EN IEC 60079-0:2018 incl. AC:2020,</p> <hr/> <p>— EN 60079-29-1:2016,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>4.9.2027</p> <p>(iii)</p>
<p>MED/3.54b</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 3: (explosive gas atmospheres)</p> <p>Row 4 of 4</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. VI/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— for combined O<sub>2</sub>/HC systems additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>— EN 50104:2019 incl. EN 50104:2019/A1:2023,</p> <p>— EN IEC 60079-0:2018 incl. AC:2020,</p> <hr/> <p>— EN 60079-29-1:2016 incl. EN 60079-29-1:2016/A1:2022 and EN 60079-29-1:2016/A11:2022,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <p>— IMO MSC.1/Circ.1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	

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. 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 15182-1:2007 incl. A1:2009, — EN 15182-2:2007 incl. A1:2009.	B+D B+E B+F		12.8.2023 (iii)
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. 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 15182-1:2019, — EN 15182-2:2019.	B+D B+E B+F	12.8.2020	

<p>MED/3.55b</p> <p>Dual purpose type nozzles (spray/jet type):</p> <ul style="list-style-type: none"> <li>— Hand-held branch pipes for fire service use – Smooth bore jet and/or one fixed spray jet angle branch pipes PN 16</li> </ul> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res .MSC.97(73)-(2000 HSC Code) 7.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 15182-1:2007 incl. A1:2009,</li> <li>— EN 15182-3:2007 incl. A1:2009.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>12.8.2023</p> <p>(iii)</p>
<p>MED/3.55b</p> <p>Dual purpose type nozzles (spray/jet type):</p> <ul style="list-style-type: none"> <li>— Hand-held branch pipes for fire service use – Smooth bore jet and/or one fixed spray jet angle branch pipes PN 16</li> </ul> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 15182-1:2019,</li> <li>— EN 15182-3:2019.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>4.6.2025</p> <p>(iii)</p>
<p>MED/3.55b</p> <p>Dual purpose type nozzles (spray/jet type):</p> <ul style="list-style-type: none"> <li>— Hand-held branch pipes for fire service use – Smooth bore jet and/or one fixed spray jet angle branch pipes PN 16</li> </ul> <p>Note: Minimum spray angle of 30°.</p> <p>Row 3 of 3</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 15182-1:2019,</li> <li>— EN 15182-3:2019.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	

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 2	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		4.9.2027 (iii)

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 2 of 2 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. II-2/10.	— IMO MSC/Circ.798.	B+D B+E B+F	4.9.2024	
	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 Rev 1.				

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 2	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		4.9.2027 (iii)

<p>MED/3.58</p> <p>Fixed Low Expansion Foam Fire Extinguishing Systems Components for Machinery Spaces and Tanker Deck Protection</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 2 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 6,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 14,</li> <li>— IMO MSC/Circ.1239,</li> <li>— IMO MSC.1/Circ.1276 Rev 1</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1312,</li> <li>— IMO MSC.1/Circ.1312/Corr.1.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>4.9.2024</p>	
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1	2	3	4	5	6
<p>MED/3.59</p> <p>Expansion Foam for Fixed Fire Extinguishing Systems for Chemical Tankers</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/1,</li> <li>— IMO Res. MSC.4(48)-(IBC Code) 11.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.4(48)-(IBC Code) 11,</li> <li>— IMO MSC/Circ.553.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1312,</li> <li>— IMO MSC.1/Circ.1312/Corr.1.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		



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 (NEW ROW)	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.	— IMO MSC.1/Circ. 1315 Rev1.	B+D B+E B+F	4.9.2024	

1	2	3	4	5	6
<p>MED/3.63a</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— control and indicating equipment. Electrical installations in ships</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10,</li> <li>— EN 54-2:1997 incl. AC:1999 and A1:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN 60079-0:2012 incl. A11:2013.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>12.8.2023</p> <p>(iii)</p>
<p>MED/3.63a</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— control and indicating equipment. Electrical installations in ships</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10,</li> <li>— EN 54-2:1997 incl. AC:1999 and A1:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN IEC 60079-0:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>

<p>MED/3.63a</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— control and indicating equipment.</li> </ul> <p>Electrical installations in ships</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> <li>— EN 54-2:1997 incl. AC:1999 and A1:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN IEC 60079-0:2018 incl. AC:2020.</li> </ul>			

1	2	3	4	5	6
<p>MED/3.63b</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— power supply equipment</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10,</li> <li>— EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>12.8.2023 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN 60079-0:2012 incl. A11:2013.</li> </ul>			

<p>MED/3.63b</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— power supply equipment</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10,</li> <li>— EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN IEC 60079-0:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>
<p>MED/3.63b</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— power supply equipment</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> <li>— EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN IEC 60079-0:2018 incl. AC:2020.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
<p>MED/3.63c</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— aspiring smoke detectors</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10,</li> <li>— EN 54-20:2006 incl. AC:2008.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN 60079-0:2012 incl. A11:2013.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>12.8.2023</p> <p>(iii)</p>
<p>MED/3.63c</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— aspiring smoke detectors</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10,</li> <li>— EN 54-20:2006 incl. AC:2008.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN IEC 60079-0:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>

<p>MED/3.63c</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— aspirating smoke detectors</li> </ul> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 10,</li> <li>— EN 54-20:2006 incl. AC:2008.</li> </ul> <p>And, as applicable, electrical and electronic installations in ships:</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</li> <li>— SOLAS 74 Reg. II-2/19,</li> <li>— SOLAS 74 Reg. II-2/20,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 10.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>And, as applicable for explosive atmospheres:</p> <ul style="list-style-type: none"> <li>— EN IEC 60079-0:2018 incl. AC:2020.</li> </ul>			

1	2	3	4	5	6
<p>MED/3.64</p> <p>C class divisions</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3.10.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3.10,</li> <li>— SOLAS 74 Reg. II-2/3.33,</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO MSC/Circ.1120.</li> </ul>				

1	2	3	4	5	6
MED/3.65 Fixed hydrocarbon gas detection system Row 1 of 4	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 2 of 4	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	25.8.2024 (iii)
MED/3.65 Fixed hydrocarbon gas detection system Row 3 of 4	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	25.8.2021	4.9.2027 (iii)



MED/3.65 Fixed hydrocarbon gas detection system Row 4 of 4 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. II-2/4.	— IMO MSC.1/Circ.1370, — EN IEC 60079-0:2018 incl. AC:2020, — EN 60079-29-1:2016 incl. EN 60079-29-1:2016/A1:2022 and EN 60079-29-1:2016/A11:2022, — IEC 60092-504:2016, — IEC 60533:2015.	B+D B+E B+F	4.9.2024	
	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.				

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 1	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 fixed fire extinguishing systems components Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 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 1	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
<p>MED/4.1</p> <p>Magnetic compass:</p> <p>— class A for ships</p> <p>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.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.382(X),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.302(87).</p>	<p>— ISO 1069:1973,</p> <p>— ISO 25862:2019,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</p> <p>Or:</p> <p>— ISO 1069:1973,</p> <p>— ISO 25862:2019,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</p> <p>Note: And where IMO Res. MSC.302(87) is applicable:</p> <p>— EN 61162 series:</p> <p style="padding-left: 20px;">EN 61162-1:2016</p> <p style="padding-left: 20px;">EN 61162-2:1998</p> <p style="padding-left: 20px;">EN 61162-3:2008 +A1:2010 +A2:2014</p> <p style="padding-left: 20px;">EN IEC 61162-450:2018,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— IEC 61162 series:</p> <p style="padding-left: 20px;">IEC 61162-1:2016</p> <p style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</p> <p style="padding-left: 20px;">IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p style="padding-left: 20px;">IEC 61162-450:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>12.8.2020</p>	

		<ul style="list-style-type: none"> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>End of Note on IMO Res. MSC.302(87)</p>			
1	2	3	4	5	6
<p>MED/4.2</p> <p>Transmitting heading device THD (magnetic method)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. V/19,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.116(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 22090-2:2014,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 22090-2:2014,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>

<p>MED/4.2</p> <p>Transmitting heading device THD (magnetic method)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. V/19,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 22090-2:2014,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.116(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>Or:</li> <li>— ISO 22090-2:2014,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

1	2	3	4	5	6
<p>MED/4.3 Gyro compass Row 1 of 2</p>	<p>Type approval requirements — SOLAS 74 Reg. V/18.</p> <hr/> <p>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).</p>	<p>— 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, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	
<p>MED/4.3 Gyro compass Moved to MED/4.65 Row 2 of 2</p>	<p>Type approval requirements For new certificates refer to item MED/4.65.</p> <hr/> <p>Carriage and performance requirements For new certificates refer to item MED/4.65.</p>	<p>Testing Standards For new certificates refer to item MED/4.65.</p>	<p>For new certificates refer to item MED/4.65.</p>	<p>25.8.2021</p>	

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 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.224(VII),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.74(69) Annex 4,</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN ISO 9875:2001 incl. ISO Technical Corr. 1:2006,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:                EN 61162-1:2016                EN 61162-2:1998                EN 61162-3:2008 +A1:2010                +A2:2014                EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 9875:2000 incl. ISO Technical Corr. 1:2006,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	B+D  B+E  B+F  G	13.9.2019	1.7.2025  (i)



<p>MED/4.6 Echo-sounding equipment Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN ISO 9875:2001 incl. ISO Technical Corr. 1:2006,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	<p>4.9.2027 (i)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.224(VII),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.74(69) Annex 4,</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 9875:2000 incl. ISO Technical Corr. 1:2006,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/4.6 Echo-sounding equipment Row 3 of 3 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 9875:2023,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 9875:2023,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F G</p>	<p>4.9.2024</p>	
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1	2	3	4	5	6
<p>MED/4.7</p> <p>Speed and distance measuring equipment (SDME)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.824(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61023:2007,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61023:2007,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>

<p>MED/4.7</p> <p>Speed and distance measuring equipment (SDME)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61023:2007,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.824(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61023:2007,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

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
<p>MED/4.9 Rate-of-turn indicator Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.526(13),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— ISO 20672:2007 incl. Corr. 1:2008,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— ISO 20672:2007 incl Corr 1:2008,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025 (i)</p>

<p>MED/4.9 Rate-of-turn indicator Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	<p>10.10.2026 (i)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.526(13),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 20672:2007 incl. Corr. 1:2008,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— ISO 20672:2007 incl Corr 1:2008,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/4.9 Rate-of-turn indicator Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.526(13),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 20672:2022,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— ISO 20672:2022,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

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 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.112(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61108-1:2003,</li> <li>— EN 61162 series:                EN 61162-1:2016                EN 61162-2:1998                EN 61162-3:2008 +A1:2010                +A2:2014                EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61108-1 Ed. 2.0: 2003,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	B+D  B+E  B+F  G	13.9.2019	1.7.2025  (i)



<p>MED/4.14 GPS equipment Moved to MED/4.63. Row 2 of 2</p>	<p>Type approval requirements For new certificates refer to item MED/4.63.</p> <hr/> <p>Carriage and performance requirements For new certificates refer to item MED/4.63.</p>	<p>Testing Standards For new certificates refer to item MED/4.63.</p>	<p>For new certificates refer to item MED/4.63.</p>	<p>25.8.2021</p>	
<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>	<p>5</p>	<p>6</p>
<p>MED/4.15 GLONASS equipment Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.113(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61108-2:1998,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61108-2 Ed. 1.0:1998,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> </ul>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025 (i)</p>

		— IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/4.15 GLONASS 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.	25.8.2021	

1	2	3	4	5	6
MED/4.16 Heading control system (HCS) Row 1 of 2	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,	B+D B+E B+F G	12.8.2020	1.7.2025 (i)

		<ul style="list-style-type: none"> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.16</p> <p>Heading control system (HCS)</p> <p>Row 2 of 2</p>	Type approval requirements	<ul style="list-style-type: none"> <li>— ISO 11674:2019,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> </ul>	B+D	15.8.2022	
	<p>— SOLAS 74 Reg. V/18.</p> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.342(IX),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.64(67) Annex 3,</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 61162 series:                             <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>Or:                             <ul style="list-style-type: none"> <li>— ISO 11674:2019,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series:                                     <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> </li> </ul>	B+E B+F G		

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

1	2	3	4	5	6
<p>MED/4.18</p> <p>Search and rescue locating devices (SRLD):</p> <p>— 9 GHz SAR transponder (SART)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/6,</li> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— IMO Res. A.530(13),</li> <li>— IMO Res. A.802(19),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— ITU-R M.628-5 (03/2012).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61097-1:2007.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-1: 2007.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		<p>10.10.2026</p> <p>(ii)</p>

<p>MED/4.18</p> <p>Search and rescue locating devices (SRLD):</p> <ul style="list-style-type: none"> <li>— 9 GHz SAR transponder (SART)</li> </ul> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61097-1:2007.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-1: 2007.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/6,</li> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.510(105),</li> <li>— ITU-R M.628-5 (03/2012).</li> </ul>				

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 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:                EN 61162-1:2016                EN 61162-2:1998                EN 61162-3:2008 +A1:2010                +A2:2014                EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 20673:2007.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 20673:2007.</li> </ul>	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

<p>MED/4.20 Rudder angle indicator Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	<p>10.10.2026 (i)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 20673:2007.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 20673:2007.</li> </ul>			

<p>MED/4.20 Rudder angle indicator Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 20673:2022.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 20673:2022.</li> </ul>			



1	2	3	4	5	6
<p>MED/4.21 Propeller revolution indicator Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 22554:2015.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 22554:2015.</li> </ul>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025 (i)</p>

<p>MED/4.21 Propeller revolution indicator Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 22554:2015.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 22554:2015.</li> </ul>			

1	2	3	4	5	6
<p>MED/4.22 Pitch indicator Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 22555:2007.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 22555:2007.</li> </ul>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025 (i)</p>

<p>MED/4.22 Pitch indicator Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	<p>10.10.2026 (i)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 22555:2007.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 22555:2007.</li> </ul>			

<p>MED/4.22 Pitch indicator Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 22555:2022.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 22555:2022.</li> </ul>			

1	2	3	4	5	6
MED/4.23 Magnetic compass: — class B for lifeboats and rescue boats Row 1 of 1	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.  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.	— 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	

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
<p>MED/4.29 Voyage data recorder (VDR) Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/20,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.333(90).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN 61996-1:2013 incl. IEC 61996-1 Corr. 1:2014,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 61996-1 Ed. 2.0: 2013-05 incl. IEC 61996-1 Corr. 1:2014,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> </ul>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025 (i)</p>

		— IEC 62923-2:2018.			
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+A1:2021 — EN IEC 62288:2022, — 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 61996-1 Ed. 2.0: 2013+A1:2021, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.	B+D B+E B+F G	15.8.2022	



1	2	3	4	5	6
<p>MED/4.30</p> <p>Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)</p> <p>Row 1 of 1 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. V/27,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.232(82),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1503. Rev.1 or Rev 2.</li> </ul> <p>[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].</p>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN 61174:2015,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Note Annex S (normative) of EN 61174 may additionally be tested in accordance to IEC PAS 61174-1:2021.</p> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 61174 Ed. 4.0: 2015,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Note Annex S (normative of IEC 61174 may additionally be tested in accordance to IEC PAS 61174-1:2021.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>4.9.2024</p>	

1	2	3	4	5	6
MED/4.31 Gyro compass for high-speed craft Row 1 of 2	Type approval requirements — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 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, — IEC 62923-2:2018.	B+D B+E B+F G	13.9.2018	1.7.2025 (i)
MED/4.31 Gyro compass for high-speed craft Moved to MED/4.65. Row 2 of 2	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.	25.8.2021	

1	2	3	4	5	6
<p>MED/4.32</p> <p>Universal automatic identification system equipment (AIS)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.74(69),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— 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).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:                             <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 61993-2:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series:                             <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 61993-2:2018,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>

<p>MED/4.32</p> <p>Universal automatic identification system equipment (AIS)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.74(69),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— 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).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 61993-2:2018,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 61993-2:2018,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
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1	2	3	4	5	6
<p>MED/4.33</p> <p>Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.74(69),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</p> <p>— EN 62065:2014,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,</p> <p>— IEC 62065 Ed. 2.0:2014-02,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>

<p>MED/4.33</p> <p>Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18.</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p>	<p>B+D</p>	<p>15.8.2022</p>	
<p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.74(69),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>— EN 61162 series:</p> <p>EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</p> <p>— EN 62065:2014,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018,</p> <p>— IEC 62065 Ed. 2.0:2014-02,</p> <p>— IEC 62288 Ed. 3.0:2021,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>	<p>B+E</p> <p>B+F</p> <p>G</p>			

1	2	3	4	5	6
MED/4.34 Radar equipment CAT 1 Moved to MED/4.64 Row 1 of 1	Type approval 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.	25.8.2021	
	Carriage and performance requirements For new certificates refer to item MED/4.64.				

1	2	3	4	5	6
MED/4.35 Radar equipment CAT 2 Moved to MED/4.64. Row 1 of 1	Type approval 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.	25.8.2021	
	Carriage and performance requirements For new certificates refer to item MED/4.64.				

1	2	3	4	5	6
MED/4.36 Radar equipment CAT 3 Moved to MED/4.64. Row 1 of 1	Type approval 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.	25.8.2021	
	Carriage and performance requirements For new certificates refer to item MED/4.64.				

1	2	3	4	5	6
MED/4.37 Radar equipment for high-speed craft applications (CAT 1H and CAT 2H) Moved to MED/4.64. Row 1 of 1	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.	25.8.2021	

1	2	3	4	5	6
MED/4.38a Radar equipment approved with a chart option, namely: — CAT 1C Note: New certification shall be carried out in accordance with MED/4.64 CAT 1. Row 1 of 1	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.	25.8.2021	

1	2	3	4	5	6
MED/4.38b Radar equipment approved with a chart option, namely: — CAT 2C Note: New certification shall be carried out in accordance with MED/4.64 CAT 2. Row 1 of 1	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.	25.8.2021	



1	2	3	4	5	6
<p>MED/4.38c</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 1HC</p> <p>Note: New certification shall be carried out in accordance with MED/4.64 CAT 1H.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>Refer to item MED/4.64.</p>	<p>Testing Standards</p> <p>For new certificates refer to item MED/4.64.</p>	<p>For new certificates refer to item MED/4.64.</p>	<p>25.8.2021</p>	
	<p>Carriage and performance requirements</p> <p>For new certificates refer to item MED/4.64.</p>				

1	2	3	4	5	6
<p>MED/4.38d</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 2HC</p> <p>Note: New certification shall be carried out in accordance with MED/4.64 CAT 2H.</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.64.</p>	<p>Testing Standards</p> <p>For new certificates refer to item MED/4.64.</p>	<p>For new certificates refer to item MED/4.64.</p>	<p>25.8.2021</p>	
	<p>Carriage and performance requirements</p> <p>For new certificates refer to item MED/4.64.</p>				

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.  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).	— 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		

1	2	3	4	5	6
<p>MED/4.40</p> <p>Heading control system for high-speed craft</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.822(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1349.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>

<p>MED/4.40</p> <p>Heading control system for high-speed craft</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.822(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1349.</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

1	2	3	4	5	6
<p>MED/4.41</p> <p>Transmitting heading device THD (GNSS method)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.116(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 22090-3:2014,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 22090-3:2014,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>And as applicable:</p> <ul style="list-style-type: none"> <li>— EN 61162 series: EN 61162-3:2008 +A1:2010 +A2:2014 IEC 61162-450:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— 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.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>

<p>MED/4.41</p> <p>Transmitting heading device THD (GNSS method)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 22090-3:2014,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.116(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 22090-3:2014,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>And as applicable:</p> <ul style="list-style-type: none"> <li>— EN 61162 series: EN 61162-3:2008 +A1:2010 +A2:2014 IEC 61162-450:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— 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.</li> </ul>			

1	2	3	4	5	6
<p>MED/4.42 Searchlight for high-speed craft Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 17884:2004,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 17884:2004,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul>	<p>B+D B+E B+F G</p>		

1	2	3	4	5	6
MED/4.43 Night vision equipment 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. 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).	— 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		1.7.2025 (i)
MED/4.43 Night vision equipment 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. 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).	— ISO 16273:2020,  — EN 60945:2002 incl. IEC 60945 Corr. 1:2008,  — EN IEC 62288:2022. Or:  — ISO 16273:2020,  — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,  — IEC 62288 Ed. 3.0:2021.	B+D B+E B+F G	15.8.2022	



1	2	3	4	5	6
<p>MED/4.44</p> <p>Differential beacon receiver for DGPS and DGLONASS Equipment</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.114(73).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61108-4: 2004,</li> <li>— EN 61162 series:                             <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018.</li> </ul> </li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61108-4: 2004,</li> <li>— IEC 61162 series:                             <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018.</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>
<p>MED/4.44</p> <p>Differential beacon receiver for DGPS and DGLONASS Equipment</p> <p>Moved to MED/4.63</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.63.</p> <hr/> <p>Carriage and performance requirements</p> <p>For new certificates refer to item MED/4.63.</p>	<p>Testing Standards</p> <p>For new certificates refer to item MED/4.63.</p>	<p>For new certificates refer to item MED/4.63.</p>	<p>25.8.2021</p>	

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.	— 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,	B+D B+E B+F G	13.9.2019	1.7.2025 (i)
	Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13, — IMO Res. MSC.116(73), — IMO Res. MSC.191(79), — IMO Res. MSC.302(87).	— 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.			

<p>MED/4.46</p> <p>Transmitting heading device THD (Gyroscopic method)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 22090-1:2014,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:  <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.116(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>Or:</li> <li>— ISO 22090-1:2014,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series:  <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

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 IEC 61162-450:2018, — EN 61996-2:2008, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 61996-2: 2007, — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

<p>MED/4.47 Simplified voyage data recorder (S-VDR) Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/20.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/20,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.163(78),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN 61996-2:2008,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 61996-2: 2007,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

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 1	Type approval requirements — SOLAS 74 Reg. V/23, — SOLAS 74 Reg. X/3.	— IMO Res. A.1045(27), as amended, — ISO 799-1:2019.	B+D B+E B+F G	12.8.2020	
	Carriage and performance requirements — SOLAS 74 Reg. V/23, — IMO Res. A.1045(27), — IMO MSC/Circ.1428.				

1	2	3	4	5	6
MED/4.50 DGPS 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.	— 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,	B+D B+E B+F G	13.9.2019	1.7.2025 (i)
	Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13,				

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.112(73),</li> <li>— IMO Res. MSC.114(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 61108-1: 2003,</li> <li>— IEC 61108-4: 2004,</li> <li>— IEC 61162 series:                             <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
MED/4.50 DGPS equipment Moved to MED/4.63. Row 2 of 2	Type approval 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.	25.8.2021	
	Carriage and performance requirements For new certificates refer to item MED/4.63.				

1	2	3	4	5	6
MED/4.51  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.	— 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,	B+D  B+E  B+F  G	13.9.2019	1.7.2025  (i)
	Carriage and performance requirements  — SOLAS 74 Reg. V/19,  — IMO Res. A.694(17),  — IMO Res. MSC.36(63)-(1994 HSC Code) 13,  — IMO Res. MSC.97(73)-(2000 HSC Code) 13,  — IMO Res. MSC.113(73),  — IMO Res. MSC.114(73),  — IMO Res. MSC.191(79),  — IMO Res. MSC.302(87).	— 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 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 2 of 2	Type approval 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.	25.8.2021	
	Carriage and performance requirements For new certificates refer to item MED/4.63.				

1	2	3	4	5	6
MED/4.52 Daylight signalling lamp Row 1 of 1	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code).</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code),</li> <li>— IMO Res. MSC.95(72),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code).</li> </ul>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— ISO 25861:2007.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— ISO 25861:2007.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
MED/4.53 Radar target enhancer Row 1 of 1	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.164(78),</li> <li>— ITU-R M.1176-1 (02/13).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 8729-2:2009,</li> </ul> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</p> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 8729-2:2009,</li> </ul> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		

1	2	3	4	5	6
MED/4.54 Compass bearing device Row 1 of 1	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 25862:2019,</li> </ul> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</p> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 25862:2019,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	12.8.2020	

1	2	3	4	5	6
<p>MED/4.55</p> <p>Search and rescue locating devices (SRLD):</p> <p>AIS SART equipment</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</li> <li>— SOLAS 74 Reg. IV/14.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/6,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. IV/7,</li> <li>— IMO Res. MSC.246(83),</li> <li>— ITU-R M.1371-5:2014.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61097-14:2010.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-14:2010.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		

1	2	3	4	5	6
MED/4.56  Galileo 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.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, — IEC 62923-2:2018.	B+D  B+E  B+F  G	13.9.2019	1.7.2025  (i)

MED/4.56 Galileo equipment Moved to MED/4.63. Row 2 of 2	Type approval 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.	25.8.2021	
	Carriage and performance requirements For new certificates refer to item MED/4.63.				

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 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,	B+D  B+E  B+F  G	13.9.2019	1.7.2025  (i)

		<ul style="list-style-type: none"> <li>— IEC 62616:2010 incl. IEC 62616 Corr. 1:2012,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
MED/4.57 Bridge Navigational Watch Alarm System (BNWAS) Row 2 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.128(75),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1474.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2022,</li> <li>— EN 62616:2010 incl. IEC 62616 Corr. 1:2012,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62616:2010 incl. IEC 62616 Corr. 1:2012,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	B+D B+E B+F G	15.8.2022	

1	2	3	4	5	6
<p>MED/4.58 Sound reception system Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code).</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code),</li> <li>— IMO Res. MSC.86(70),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 14859:2012.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 14859:2012.</li> </ul>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025 (i)</p>

<p>MED/4.58</p> <p>Sound reception system</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code),</li> <li>— IMO Res. MSC.86(70),</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 14859:2012.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 14859:2012.</li> </ul>			



1	2	3	4	5	6
<p>MED/4.59 Integrated navigation system Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/15,</li> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.252(83),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62288:2022,</li> <li>— EN 61924-2:2013 incl. IEC 61924-2 Corr. 1:2013,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or :</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. With A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 61924-2:2012 incl. IEC 61924-2 Corr. 1:2013,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	<p>10.10.2026 (i)</p>

<p>MED/4.59 Integrated navigation system Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/15,</li> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.252(83),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>— EN IEC 61924-2:2021.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. With A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> <li>— IEC 61924-2:2021.</li> </ul>			

MED/4.60 Radar equipment approved with a chart option, namely: — CAT 3C Note: New certification shall be carried out in accordance with MED/4.64 CAT 3. Row 1 of 1	Type approval 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.	25.8.2021	
	Carriage and performance requirements For new certificates refer to item MED/4.64.				

Item MED/4.61, Radar equipment for high-speed craft applications CAT 3H – item deleted.  
Item MED/4.62, Radar equipment for high-speed craft applications CAT 3HC – item deleted.

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) 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.	— 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. GLONASS equipment: — EN 61108-2:1998, DGPS Equipment: — EN 61108-1:2003,	B+D B+E B+F G	25.8.2021	1.7.2025 (i)
	Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13, — IMO Res. MSC.191(79), — IMO Res. MSC.302(87). And for:				

	<p>GPS Equipment:</p> <p>— IMO Res. MSC.112(73). GLONASS equipment:</p> <p>— IMO Res. MSC.113(73). DGPS Equipment:</p> <p>— IMO Res. MSC.112(73),</p> <p>— IMO Res. MSC.114(73). DGLONASS Equipment:</p> <p>— IMO Res. MSC.113(73),</p> <p>— IMO Res. MSC.114(73), Galileo Equipment:</p> <p>— IMO Res. MSC.233(82). Beidou:</p> <p>— IMO Res. MSC 379(93).</p>	<p>— EN 61108-4:2004. DGLONASS Equipment:</p> <p>— EN 61108-2:1998, — EN 61108-4:2004. Galileo Equipment:</p> <p>— EN 61108-3:2010. Beidou (BDS):</p> <p>— EN IEC 61108-5:2020. Or:</p> <p>— 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 for:</p> <p>GPS Equipment: — IEC 61108-1 Ed. 2.0: 2003. GLONASS 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,</p>			
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		<ul style="list-style-type: none"> <li>— IEC 61108-4: 2004.</li> </ul> <p>Galileo Equipment:</p> <ul style="list-style-type: none"> <li>— IEC 61108-3:2010.</li> </ul> <p>Beidou (BDS):</p> <ul style="list-style-type: none"> <li>— EN IEC 61108-5:2020.</li> </ul>			
<p>MED/4.63</p> <p>GNSS Equipment Incorporating one or more of the following elements:</p> <ul style="list-style-type: none"> <li>— GPS equipment (Moved from Ex MED/4.14)</li> <li>— GLONASS equipment (Moved from Ex MED/4.15)</li> <li>— DGPS Equipment (Moved from Ex MED/4.50)</li> <li>— DGLONASS Equipment (Moved from Ex MED/4.51)</li> <li>— Galileo Equipment (  (Moved from Ex. MED/4.56)</li> <li>— Beidou (BDS)</li> </ul> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul> <p>And for:</p> <p>GPS Equipment:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.112(73).</li> </ul> <p>GLONASS equipment:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.113(73).</li> </ul> <p>DGPS Equipment:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.112(73),</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> </ul> <hr/> <ul style="list-style-type: none"> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>And for:</p> <p>GPS Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-1:2003.</li> </ul> <p>GLONASS equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-2:1998,</li> </ul> <p>DGPS Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-1:2003,</li> <li>— EN 61108-4:2004.</li> </ul> <p>DGLONASS Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-2:1998,</li> <li>— EN 61108-4:2004.</li> </ul> <p>Galileo Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-3:2010.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

	<p>— IMO Res. MSC.114(73).</p> <p>DGLONASS Equipment:</p> <p>— IMO Res. MSC.113(73),</p> <p>— IMO Res. MSC.114(73),</p> <p>Galileo Equipment:</p> <p>— IMO Res. MSC.233(82).</p> <p>Beidou:</p> <p>— IMO Res. MSC 379(93).</p>	<p>Beidou (BDS):</p> <p>— EN IEC 61108-5:2020.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p style="padding-left: 20px;">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,</p> <p>— IEC 62288 Ed. 3.0:2021,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>And for:</p> <p>GPS Equipment:</p> <p>— IEC 61108-1 Ed. 2.0: 2003.</p> <p>GLONASS equipment:</p> <p>— IEC 61108-2 Ed. 1.0:1998.</p> <p>DGPS Equipment:</p> <p>— IEC 61108-1 Ed. 2.0: 2003,</p> <p>— IEC 61108-4: 2004.</p> <p>DGLONASS Equipment:</p> <p>— IEC 61108-2 Ed. 1.0:1998,</p> <p>— IEC 61108-4: 2004.</p> <p>Galileo Equipment:</p> <p>— IEC 61108-3:2010.</p> <p>Beidou (BDS):</p> <p>— EN IEC 61108-5:2020.</p>			
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<p>MED/4.63</p> <p>GNSS Equipment Incorporating one or more of the following elements:</p> <ul style="list-style-type: none"> <li>— GPS equipment (Moved from Ex MED/4.14)</li> <li>— GLONASS equipment (Moved from Ex MED/4.15)</li> <li>— DGPS Equipment (Moved from Ex MED/4.50)</li> <li>— DGLONASS Equipment (Moved from Ex MED/4.51)</li> <li>— Galileo Equipment (Moved from Ex. MED/4.56)</li> <li>— Beidou (BDS)</li> <li>— SBAS Equipment</li> </ul> <p>Row 3 of 3</p> <p>SBAS Equipment – New subitem inserted by Implementing Regulation (EU) 2024/1975.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul> <p>And for:</p> <p>GPS Equipment:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.112(73).</li> </ul> <p>GLONASS equipment:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.113(73).</li> </ul> <p>DGPS Equipment:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.112(73),</li> <li>— IMO Res. MSC.114(73).</li> </ul> <p>DGLONASS Equipment:</p> <ul style="list-style-type: none"> <li>— IMO Res. MSC.113(73),</li> <li>— IMO Res. MSC.114(73),</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>And for:</p> <p>GPS Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-1:2003.</li> </ul> <p>GLONASS Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-2:1998,</li> </ul> <p>DGPS Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-1:2003,</li> <li>— EN 61108-4:2004.</li> </ul> <p>DGLONASS Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-2:1998,</li> <li>— EN 61108-4:2004.</li> </ul> <p>Galileo Equipment:</p> <ul style="list-style-type: none"> <li>— EN 61108-3:2010.</li> </ul> <p>Beidou (BDS):</p> <ul style="list-style-type: none"> <li>— EN IEC 61108-5:2020.</li> </ul> <p>SBAS Equipment:</p> <ul style="list-style-type: none"> <li>— IEC 61108-7:2024.</li> </ul> <p>Or:</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>4.9.2024</p>	
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	<p>Galileo Equipment: — IMO Res. MSC.233(82). Beidou: — IMO Res. MSC 379(93). SBAS Equipment: — IMO Res. MSC.112(73).</p>	<p>— 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. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018. And for: GPS Equipment: — IEC 61108-1 Ed. 2.0: 2003. GLONASS 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): — EN IEC 61108-5:2020. SBAS Equipment: — IEC 61108-7:2024.</p>			
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<p>MED/4.64 Radar equipment</p> <ul style="list-style-type: none"> <li>— CAT 1 (Moved from Ex MED/4.34)</li> <li>— CAT 2 (Moved from Ex MED/4.35)</li> <li>— CAT 3 (Moved from Ex MED/4.36)</li> <li>— CAT 1H (Moved from Ex MED/4.37)</li> <li>— CAT 2H (Moved from Ex MED/4.37)</li> </ul> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18, And for High-Speed Craft:</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.278(VIII),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.192(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1349,</li> <li>— ITU-R M.1177-4 (04/11).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2022,</li> <li>— EN 62388:2013 incl. IEC 62388 Corr 1:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62388 Ed. 2.0: 2013-06 incl. IEC 62388 Corr 1:2014,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	
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<p>MED/4.65</p> <p>Gyro compass (Moved from Ex MED/4.3) (Moved from Ex MED/4.31)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18.</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN 62288:2014,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>25.8.2021</p>	<p>1.7.2025</p> <p>(i)</p>
	<p>Carriage and performance requirements For gyro compass:</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. A.424(XI),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87). For gyro compass for HSC:</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.821(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1349.</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018. And additionally, for gyro compass:</li> <li>— ISO 8728:2014. And additionally, for gyro compass for HSC:</li> <li>— ISO 16328:2014.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018. And additionally, for gyro compass:</li> <li>— ISO 8728:2014.</li> </ul>			

		And additionally, for gyro compass for HSC: — ISO 16328:2014.			
MED/4.65 Gyro compass (Moved from Ex MED/4.3) (Moved from Ex MED/4.31) 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 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,	— 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 62288:2022, — 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,	B+D B+E B+F G	15.8.2022	

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1349.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>And additionally, for gyro compass:</p> <ul style="list-style-type: none"> <li>— ISO 8728:2014.</li> </ul> <p>And additionally, for gyro compass for HSC:</p> <ul style="list-style-type: none"> <li>— ISO 16328:2014.</li> </ul>			
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Item MED/4.66 – deliberately left blank.

<p>MED/4.67</p> <p>Electronic Inclinator Equipment</p> <p>Row 1 of 1</p> <p>New item inserted by Implementing Regulation (EU) 2024/1975.</p>	Type approval requirements	<ul style="list-style-type: none"> <li>— ISO 19697:2016,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 19697:2016,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>4.9.2024</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18.</li> <li>— SOLAS 74 Reg. X/3.</li> <li>— SOLAS 74 Reg. V/19,</li> <li>— IMO Res. MSC.363(92),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>				

	<p>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,</p> <ul style="list-style-type: none"> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
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## 5. Radio-communication equipment

Notes applicable to section 5: Radio-communication equipment.

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

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

Number and item designation	Regulation SOLAS 74, as amended, 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 5	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.385(X),</li> <li>— IMO Res. A.524(13),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 IEC 61162-450:2018,</li> <li>— ETSI EN 300 338-1 V1.4.1:2017-02,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 843-2 V2.2. 1:2017-11,</li> <li>— ETSI EN 301 925 V1.5.1:2017-10,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	13.9.2019	12.8.2023 (iii)

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-14 (09/15),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-7: 1996 with A1: 2018,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 2 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.385(X),</li> <li>— IMO Res. A.524(13),</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 843-2 V2.2. 1:2017-11,</li> <li>— ETSI EN 301 925 V1.5.1:2017-10,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>

	<ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-7: 1996 with A1: 2018,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 3 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 301 843-2 V2.2. 1:2017-11,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	25.8.2021	1.1.2024 (iii)



	<ul style="list-style-type: none"> <li>— IMO Res. A.385(X),</li> <li>— IMO Res. A.524(13),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 301 925 V1.6.1:2020-10,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-7: 1996 with A1: 2018,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 4 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(iii)</p>

	<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.385(X),</li> <li>— IMO Res. A.524(13),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460 Revision 2,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 301 843-2 V2.2. 1:2017-11,</li> <li>— ETSI EN 301 925 V1.6.1:2020-10,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-7: 1996 with A1: 2018,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
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<p>MED/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Note: Regardless of the current availability of IMO Res. MSC 511(105), such a resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. Thus, in accordance with the IMO MSC.1/Circ 1676, the IMO Res. A.803(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 511(105) will be available, the IMO Res. MSC 511(105) will be included.</p> <p>Row 5 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.385(X),</li> <li>— IMO Res. A.524(13),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460 Revision 4,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 338-7 V1.1.1:2022-04,</li> <li>— ETSI EN 301 843-2 V2.2. 1:2017-11,</li> <li>— ETSI EN 301 925 V1.6.1:2020-10,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-7: 1996 with A1: 2018,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
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	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1676,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
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1	2	3	4	5	6
<p>MED/5.2 VHF DSC watch-keeping receiver Row 1 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-14 (09/15),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018,</li> <li>— ETSI EN 300 338-1 V1.4.2:2017-11,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	<p>12.8.2023 (iii)</p>

<p>MED/5.2 VHF DSC watch-keeping receiver Row 2 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,</li> </ul>	<p>B+D B+E B+F</p>	<p>12.8.2020</p>	<p>25.8.2024 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.5.1:2019-09</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.2 VHF DSC watch-keeping receiver Row 3 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,</li> </ul>	<p>B+D B+E B+F</p>	<p>25.8.2021</p>	<p>10.10.2026 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.2</p> <p>VHF DSC watch-keeping receiver</p> <p>Note: Regardless of the current availability of IMO Res. MSC 511(105), such a resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. Thus, in accordance with the IMO MSC.1/Circ 1676, the IMO Res. A.803(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 511(105) will be available, IMO Res. MSC 511(105) will be included.</p> <p>Row 4 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.803(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— IMO MSC.1/Circ.1460 Revision 4,</li> <li>— IMO MSC.1/Circ.1676,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 338-7 V1.1.1:2022-04,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>				



1	2	3	4	5	6
<p>MED/5.3 NAVTEX receiver Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.148(77),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.540-2 (06/90),</li> <li>— ITU-R M.625-4 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 IEC 61162-450:2018,</li> <li>— ETSI EN 300 065-1 V1.2.1:2009-01,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— IEC 61097-6:2005,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	<p>12.8.2023 (iii)</p>

<p>MED/5.3 NAVTEX receiver Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F</p>	<p>12.8.2020</p>	<p>10.10.2026 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.148(77),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.540-2 (06/90),</li> <li>— ITU-R M.625-4 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 065-1 V1.2.1:2009-01,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 61097-6:2005 +A1:2011 +A2:2019,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.3 NAVTEX receiver Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.508(105),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— ITU-R M.540-2 (06/90),</li> <li>— ITU-R M.625-4 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 065-1 V1.2.1:2009-01,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 61097-6:2005 +A1:2011 +A2:2019,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

1	2	3	4	5	6
MED/5.4 EGC receiver Row 1 of 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.570(14),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.306(87),</li> <li>— IMO COMSAR/Circ.32.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:                EN 61162-1:2016                EN 61162-2:1998                EN 61162-3:2008 +A1:2010                +A2:2014                IEC 61162-450:2018,</li> <li>— ETSI ETS 300 460 Ed.1:1996-05,</li> <li>— ETSI ETS 300 460/A1:1997-11,</li> <li>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-4 2012,</li> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	B+D  B+E  B+F	13.9.2019	12.8.2023  (iii)

<p>MED/5.4 EGC receiver Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> </ul>	<p>B+D B+E B+F</p>	<p>12.8.2020</p>	<p>10.10.2026 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.570(14),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.306(87),</li> <li>— IMO Res. MSC.431(98) (new provision),</li> <li>— IMO COMSAR/Circ.32.</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI ETS 300 460 Ed.1:1996-05,</li> <li>— ETSI ETS 300 460/A1:1997-11,</li> <li>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-4:2012 +A1:2016 +A2:2019,</li> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.4 EGC receiver Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.306(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2.</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI ETS 300 460 Ed.1:1996-05,</li> <li>— ETSI ETS 300 460/A1:1997-11,</li> <li>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-4:2012 +A1:2016 +A2:2019,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

1	2	3	4	5	6
<p>MED/5.5</p> <p>HF marine safety information (MSI) equipment (HF NBDP receiver)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.699(17),</li> <li>— IMO Res. A.700(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.492-6 (10/95),</li> <li>— ITU-R M.540-2 (06/90),</li> <li>— ITU-R M.625-4 (03/12),</li> <li>— ITU-R M.688 (06/90).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— 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,</li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>10.10.2026</p> <p>(iii)</p>

<p>MED/5.5</p> <p>HF marine safety information (MSI) equipment (HF NBDP receiver)</p> <p>Note: Regardless of the current availability of IMO Res. MSC 512(105), such a resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. Thus, in accordance with the IMO MSC.1/Circ 1676, the IMO Res. A.806(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 512(105) will be available, the Resolution IMO Res. MSC 512(105) will be included.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.699(17),</li> <li>— IMO Res. A.700(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— IMO MSC.1/Circ.1460 Revision 4,</li> <li>— IMO MSC.1/Circ.1676,</li> <li>— ITU-R M.492-6 (10/95),</li> <li>— ITU-R M.540-2 (06/90),</li> <li>— ITU-R M.625-4 (03/12),</li> <li>— ITU-R M.688 (06/90).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			



1	2	3	4	5	6
<p>MED/5.6 406 MHz EPIRB (COSPAS-SARSAT) Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/7,</li> <li>— IMO Res. A.662(16),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.471(101),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO COMSAR/Circ.32, Revision 2,</li> <li>— ITU-R M.633-4 (12/10),</li> <li>— ITU-R M.690-3 (03/15).</li> </ul>	<p>— IMO MSC/Circ.862,</p> <p>Note: IMO MSC/Circ.862 is applicable only to the optional remote activation device, not to the EPIRB itself.</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-2 ed4.0:2021.</li> </ul>	<p>B+D B+E B+F</p>		

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
<p>MED/5.10</p> <p>MF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>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.</p> <p>Row 1 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</li> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.804(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-14 (09/15),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:               <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.4.2:2017-11,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series:</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(iii)</p>

		<p>IEC 61162-1:2016                  IEC 61162-2 Ed.1.0:1998-09                  IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07                  IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,                  — IEC 62923-2:2018.</p>			
<p>MED/5.10</p> <p>MF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>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.</p> <p>Row 2 of 4</p>	<p>Type approval requirements</p> <p>— 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.</p>	<p>— 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,</p>	<p>B+D                  B+E                  B+F</p>	<p>12.8.2020</p>	<p>25.8.2024                  (iii)</p>
	<p>Carriage and performance requirements</p> <p>— 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,</p>	<p>— 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:                  — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,                  — IEC 61097-3: 2017,                  — IEC 61097-9: 1997,</p>			

	<ul style="list-style-type: none"> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.10</p> <p>MF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>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.</p> <p>Row 3 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	25.8.2021	10.10.2026 (iii)
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</li> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.804(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1460,</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> </ul>			

	<ul style="list-style-type: none"> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.10</p> <p>MF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>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.</p> <p>Note: Regardless of the current availability of IMO Res. MSC 512(105), such a resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. Thus, in accordance with the IMO MSC.1/Circ 1676, the IMO Res. A.804(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 512(105) will be available, the Resolution IMO Res. MSC 512(105), will be included.</p> <p>Row 4 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</li> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.804(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 338-7 V1.1.1:2022-04,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

	<ul style="list-style-type: none"> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— IMO MSC.1/Circ.1676,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62923-2:2018.</li> <li>Or:</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. With A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
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1	2	3	4	5	6
<p>MED/5.11 MF DSC watch-keeping receiver Row 1 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</li> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.804(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-14 (09/15),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 IEC 61162-450 :2018,</li> <li>— ETSI EN 300 338-1 V1.4.2 :2017-11,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1 :2017-11,</li> <li>— IEC 62923-1 :2018,</li> <li>— IEC 62923-2 :2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	<p>12.8.2023 (iii)</p>

<p>MED/5.11 MF DSC watch-keeping receiver Row 2 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450 :2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F</p>	<p>12.8.2020</p>	<p>25.8.2024 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</li> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.804(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. With A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			



<p>MED/5.11 MF DSC watch-keeping receiver Row 3 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>EN IEC 61162-450 :2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F</p>	<p>25.8.2021</p>	<p>10.10.2026 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</li> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.804(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. With A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.11</p> <p>MF DSC watch-keeping receiver</p> <p>Note: Regardless of the current availability of IMO Res. MSC 512(105), such a resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. Thus, in accordance with the IMO MSC.1/Circ 1676, the IMO Res. A.804(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 512(105) will be available, the Resolution IMO Res. MSC 512(105) will be included.</p> <p>Row 4 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</li> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.804(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— IMO MSC.1/Circ 1676,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 338-7 V1.1.1:2022-04,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
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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
<p>MED/5.13 Inmarsat-C SES Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.570(14),</li> <li>— IMO Res. A.664(16),</li> </ul> <p>Note for Res. A.664(16): applicable only if the Inmarsat C SES supports EGC functions.</p> <ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.807(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.306(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO COMSAR/Circ.32.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:                             <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI ETS 300 460 Ed.1:1996-05,</li> <li>— ETSI ETS 300 460/A1:1997-11,</li> <li>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-4: 2012,</li> <li>— IEC 61162 series:                             <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	<p>12.8.2023 (iii)</p>

<p>MED/5.13</p> <p>Inmarsat-C SES</p> <p>Note: Regardless of the current availability of IMO Res. MSC 513(105), such a resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. Thus, in accordance with the IMO MSC.1/Circ 1676, the IMO Res. A.807(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 513(105) will be available, the Resolution IMO Res. MSC 513(105) will be included.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.570(14),</li> <li>— IMO Res. A.664(16),</li> </ul> <p>Note for Res. A.664(16): applicable only if the Inmarsat C SES supports EGC functions.</p> <ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.807(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.306(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1676,</li> <li>— IMO COMSAR/Circ.32 Revision 2.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI ETS 300 460 Ed.1:1996-05,</li> <li>— ETSI ETS 300 460/A1:1997-11,</li> <li>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-4: 2012 +A1:2016 +A2:2019,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
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1	2	3	4	5	6
<p>MED/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>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.</p> <p>Row 1 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.476-5 (10/95),</li> <li>— ITU-R M.492-6 (10/95),</li> <li>— ITU-R M.493-14 (09/15),</li> <li>— ITU-R M.541-10 (10/15)</li> <li>— ITU-R M.625-4 (03/12),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:                             <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— ETSI EN 300 338-1 V1.4.2:2017-11,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(iii)</p>

		<ul style="list-style-type: none"> <li>— 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,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>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.</p> <p>Row 2 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010 +A2:2014 EN IEC 61162-450:2018,</li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>

	<ul style="list-style-type: none"> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.476-5 (10/95),</li> <li>— ITU-R M.492-6 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15)</li> <li>— ITU-R M.625-4 (03/12),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>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.</p> <p>Row 3 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),aaaaa</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>15.8.2025</p> <p>(iii)</p>

	<ul style="list-style-type: none"> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.476-5 (10/95),</li> <li>— ITU-R M.492-6 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15)</li> <li>— ITU-R M.625-4 (03/12),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>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.</p> <p>Row 4 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(iii)</p>



<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>		<ul style="list-style-type: none"> <li>— EN 61162 series:</li> </ul>		
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.476-5 (10/95),</li> <li>— ITU-R M.492-6 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15)</li> <li>— ITU-R M.625-4 (03/12),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>		<ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series:</li> </ul> <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>		

<p>MED/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>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.</p> <p>Note: Regardless of the current availability of IMO Res. MSC 512(105), that resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. In accordance with IMO MSC.1/Circ 1676, IMO Res. A.806(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 512(105) will be available, the Resolution IMO Res. MSC 512(105) will be included.</p> <p>Row 5 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1676,</li> <li>— ITU-R M.476-5 (10/95),</li> <li>— ITU-R M.492-6 (10/95),</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15)</li> <li>— ITU-R M.625-4 (03/12),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010</li> <li>+A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> <li>— ETSI ETS 300 067/A1 Ed.1:1993-10,</li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 338-7 V1.1.1:2022-04,</li> <li>— ETSI EN 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
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		<ul style="list-style-type: none"> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
1	2	3	4	5	6
<p>MED/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 1 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-14 (09/15),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:                             <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.4.2:2017-11,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series:                             <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(iii)</p>

<p>MED/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 2 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.15 MF/HF DSC scanning watch keeping receiver Row 3 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D B+E B+F</p>	<p>25.8.2021</p>	<p>15.8.2025 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 4 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

<p>MED/5.15</p> <p>MF/HF DSC scanning watch keeping receiver.</p> <p>Note: Regardless of the current availability of IMO Res. MSC 512(105), that resolution has not been included in the current certification scheme for this MED IR because of the lack of related testing standards. In accordance with IMO MSC.1/Circ 1676, IMO Res. A.806(19) can be still applied for certification purposes until 1 January 2028. When the related testing standards to IMO Res. MSC 512(105) will be available, the Resolution IMO Res. MSC 512(105) will be included.</p> <p>Row 5 of 5</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.806(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— IMO MSC.1/Circ.1676,</li> <li>— ITU-R M.493-15 (01/19),</li> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2 V1.5.1:2020-06,</li> <li>— ETSI EN 300 338-7 V1.1.1:2022-04</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.2.1:2017-11,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
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<p>MED/5.16</p> <p>Aeronautical two-way VHF radio telephone apparatus Ex. MED/9/5.8</p> <p>Row 1 of 1</p> <p>New item inserted by Implementing Regulation (EU) 2020/1170</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <hr/> <p>Carriage and performance requirements SOLAS 74/2009 Reg. IV/7,</p> <ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.80(70),</li> <li>— IMO COMSAR/Circ.32 Revision 2,</li> <li>— ICAO Convention, Annex 10, Radio Regulations.</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 301 688 V1.2.1:2016-03,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr.1:2008.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301 688 V1.2.1:2016-03,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr.1:2008.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
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1	2	3	4	5	6
<p>MED/5.17</p> <p>Portable survival craft two-way VHF radiotelephone apparatus</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/6,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.149(77),</li> <li>— ITU-R M.489-2 (10/95).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ETSI EN 300 225 V1.5.1:2015-12,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr.1:2008,</li> <li>— IEC 61097-12: 1996 +A1:2017.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>10.10.2026</p> <p>(ii)</p>

<p>MED/5.17</p> <p>Portable survival craft two-way VHF radiotelephone apparatus</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/6,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.149(77),</li> <li>— IMO Res. MSC.515(105),</li> <li>— ITU-R M.489-2 (10/95).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ETSI EN 300 225 V1.5.1:2015-12,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr.1:2008,</li> <li>— IEC 61097-12: 1996 +A1:2017.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	
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1	2	3	4	5	6
<p>MED/5.18</p> <p>Fixed survival craft two-way VHF radiotelephone apparatus</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/6,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.809(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— ITU-R M.489-2 (10/95).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ETSI EN 301 466 V1.2.1:2015-12.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61097-12: 1996 + A1:2017.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

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

1	2	3	4	5	6
<p>MED/5.20 Fire-fighter's two-way radiotelephone apparatus New item inserted by Implementing Regulation 2019/1397 Row 1 of 2</p>	<p>Type approval requirements — SOLAS 74 Reg. II-2/2. — SOLAS 74 Reg. II-2/10.</p> <hr/> <p>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).</p>	<p>— 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.</p> <p>Or:</p> <p>— 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.</p>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	<p>10.10.2026 (ii)</p>

<p>MED/5.20 Fire-fighter's two-way radiotelephone apparatus New item inserted by Implementing Regulation 2019/1397 Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/2.</li> <li>— SOLAS 74 Reg. II-2/10.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— ETSI EN 301 843-2 V2.2. 1:2017-11,</li> </ul>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	
<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2014 Reg. II-2/10.</li> <li>— IMO Res. A.694(17),</li> <li>— IMO MSC.1Circ 1616,</li> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.1174-4 (10/2019)</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60079 series</li> <li>a) UHF portable radios:                             <ul style="list-style-type: none"> <li>— ETSI EN 300 720 V2.1.1:2017-01,</li> </ul> </li> <li>b) VHF portable radios:                             <ul style="list-style-type: none"> <li>— ETSI EN 301 178 V.2.2.2 :2017-04.</li> </ul> </li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— ETSI EN 301 843-2 V2.2. 1:2017-11,</li> <li>— EN 60079 series</li> <li>a) UHF portable radios:                             <ul style="list-style-type: none"> <li>— ETSI EN 300 720 V2.1.1:2017-01,</li> </ul> </li> <li>b) VHF portable radios:                             <ul style="list-style-type: none"> <li>— ETSI EN 301 178 V.2.2.2 :2017-04.</li> </ul> </li> </ul>				

<p>MED/5.21</p> <p>Integrated communication system (ICS)</p> <p>New item inserted by Implementing Regulation 2019/1397</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.811(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1389 ,</li> <li>— IMO COMSAR/Circ.32.</li> <li>— For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN 62940:2017,</li> <li>— EN 61924-2:2013 incl. IEC 61924-2: Corr. 1:2013,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>— For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62940:2016,</li> <li>— IEC 61924-2:2012 incl. IEC 61924-2 Corr. 1:2013,</li> <li>— IEC 62288:2014,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> <li>— For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>1.7.2025</p> <p>(i)</p>
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<p>MED/5.21</p> <p>Integrated communication system (ICS)</p> <p>New item inserted by Implementing Regulation 2019/1397</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. A.811(19),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1389 ,</li> <li>— IMO COMSAR/Circ.32 Revision 2.</li> <li>— For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN 62940:2017,</li> <li>— EN IEC 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> <li>— For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 62940:2016,</li> <li>— IEC 62288 Ed. 3.0:2021</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> <li>— For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
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<p>MED/5.22</p> <p>Ship Earth station for use in the GMDSS</p> <p>New item inserted by Implementing Regulation (EU) 2020/1170</p> <p>Ex MED/9/5.9.</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— IMO Res. A694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.434(98),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO COMSAR/Circ.32.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ETSI EN 301 441 V2.1.1:2016,</li> <li>— IEC 61097-16:2019.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ETSI EN 301 441 V2.1.1:2016,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 61097-16:2019,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>And additionally, for Inmarsat equipment:</p> <ul style="list-style-type: none"> <li>— ETSI ETS 300 460:1996 + A1:1997.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p> <p>(iii)</p>
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<p>MED/5.22</p> <p>Ship Earth station for use in the GMDSS Inmarsat C equipment: New item inserted by Implementing Regulation (EU) 2020/1170</p> <p>Inmarsat Fleet Broad Band (FBB)equipment and Iridium equipment: New item inserted by Implementing Regulation (EU) 2021/1158</p> <p>Ex MED/9/5.9.</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— IMO Res. A694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.434(98),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO COMSAR/Circ.32.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— IEC 61097-16:2019.</li> </ul> <p>And additionally, for Inmarsat C equipment:</p> <ul style="list-style-type: none"> <li>— ETSI ETS 300 460:1996 + A1:1997.</li> </ul> <p>And additionally, for Inmarsat Fleet Broad Band (FBB)equipment:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301 444 V2.1.2:2016.</li> </ul> <p>And additionally, for Iridium equipment:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301 441 V2.1.1:2016.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> <li>— IEC 61097-16:2019,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>And additionally, for Inmarsat C equipment:</p> <ul style="list-style-type: none"> <li>— ETSI ETS 300 460:1996 + A1:1997.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>15.8.2025</p> <p>(iii)</p>
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		<p>And additionally, for Inmarsat Fleet Broad Band (FBB)equipment:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301 444 V2.1.2:2016.</li> </ul> <p>And additionally, for Iridium equipment:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301 441 V2.1.1:2016.</li> </ul>			
<p>MED/5.22</p> <p>Ship Earth station for use in the GMDSS Inmarsat C equipment:</p> <p>New item inserted by Implementing Regulation (EU) 2020/1170</p> <p>Inmarsat Fleet Broad Band (FBB)equipment and Iridium equipment:</p> <p>New item inserted by Implementing Regulation (EU) 2021/1158</p> <p>Ex MED/9/5.9.</p> <p>Row 3 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/14,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/10,</li> <li>— IMO Res. A694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Res. MSC.434(98),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO COMSAR/Circ.32 Revision 2.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010 +A2:2014</li> <li>EN IEC 61162-450:2018,</li> </ul> </li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— IEC 61097-16:2019.</li> </ul> <p>And additionally, for Inmarsat C equipment:</p> <ul style="list-style-type: none"> <li>— ETSI ETS 300 460:1996 + A1:1997.</li> </ul> <p>And additionally, for Inmarsat Fleet Broad Band (FBB)equipment:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301 444 V2.2.1:2021.</li> </ul> <p>And additionally, for Iridium equipment:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301 441 V2.1.1:2016.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 61162 series: <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

		<ul style="list-style-type: none"> <li>— IEC 61097-16:2019,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> And additionally, for Inmarsat C equipment: <ul style="list-style-type: none"> <li>— ETSI ETS 300 460:1996 + A1:1997.</li> </ul> And additionally, for Inmarsat Fleet Broad Band (FBB)equipment: <ul style="list-style-type: none"> <li>— ETSI EN 301 444 V2.2.1:2021.</li> </ul> And additionally, for Iridium equipment: <ul style="list-style-type: none"> <li>— ETSI EN 301 441 V2.1.1:2016.</li> </ul>			
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6. Equipment required under COLREG 72

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
MED/6.1 Navigation lights Row 1 of 1	Type approval requirements — COLREG 72 Annex I/14.  Carriage and performance requirements — COLREG 72 Annex I/14, — IMO Res. A.694(17), — IMO Res. MSC.253(83).	<ul style="list-style-type: none"> <li>— EN 14744:2005 incl. AC:2006,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul> Or: <ul style="list-style-type: none"> <li>— EN 14744:2005 incl. AC:2006,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.</li> </ul>	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 MED/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 under the item MED/3.44 shall be used together 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 for preventing the breathing apparatus of becoming detached when the lifeline is operated. The declaration of conformity to this item shall indicate the equipment has to be used together with a lifeline item MED/3.44 and provide the user with the location where the lifeline is to be fitted.	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 4	Type approval requirements — SOLAS 74 Reg. II-1/22-1, — SOLAS 74 Reg. II-1/25, — SOLAS 74 Reg. XII/12.  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.	— 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)
MED/8.1 Water level detectors Row 2 of 4	Type approval requirements — SOLAS 74 Reg. II-1/22-1, — SOLAS 74 Reg. II-1/25, — SOLAS 74 Reg. XII/12.  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.	— 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	15.8.2025  (iii)

<p>MED/8.1 Water level detectors Row 3 of 4</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-1/22-1,</li> <li>— SOLAS 74 Reg. II-1/25,</li> <li>— SOLAS 74 Reg. XII/12.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC-60092-504:2016,</li> <li>— IEC 60529 Ed. 2.2:2013 incl. Corr1:2013 and Corr2:2015,</li> <li>— IMO Res. MSC.188(79),</li> <li>— IMO MSC.1/Circ.1291,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F</p>	<p>15.8.2022</p>	<p>4.9.2027 (iii)</p>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-1/25,</li> <li>— SOLAS 74 Reg. XII/12.</li> <li>— IMO Res. A.1021(26),</li> <li>— IMO Res. MSC.188(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1572, Revision 1.</li> </ul>	<p>Or:</p> <ul style="list-style-type: none"> <li>— IEC-60092-504:2016,</li> <li>— IEC 60529 Ed. 2.2:2013 incl. Corr1:2013 and Corr2:2015,</li> <li>— IMO Res. MSC.188(79),</li> <li>— IMO MSC.1/Circ.1291,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/8.1 Water level detectors Row 4 of 4 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-1/22-1,</li> <li>— SOLAS 74 Reg. II-1/25,</li> <li>— SOLAS 74 Reg. II-1/25-1,</li> <li>— SOLAS 74 Reg. XII/12.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC-60092-504:2016,</li> <li>— IEC 60529 Ed. 2.2:2013 incl. Corr1:2013 and Corr2:2015,</li> <li>— IMO Res. MSC.188(79) Revision 2,</li> <li>— IMO MSC.1/Circ.1291,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul>	<p>B+D B+E B+F</p>	<p>4.9.2024</p>	
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-1/25,</li> <li>— SOLAS 74 Reg. II-1/25-1,</li> <li>— SOLAS 74 Reg. XII/12.</li> <li>— IMO Res. A.1021(26),</li> <li>— IMO Res. MSC.188(79) Revision 2,</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1572, Revision 1.</li> </ul>	<p>Or:</p> <ul style="list-style-type: none"> <li>— IEC-60092-504:2016,</li> <li>— IEC 60529 Ed. 2.2:2013 incl. Corr1:2013 and Corr2:2015,</li> <li>— IMO Res. MSC.188(79) Revision 2,</li> <li>— IMO MSC.1/Circ.1291,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

9. Equipment not subject to MED certification  
The following list is for information only.

9.1. *Life-saving appliances*

MED/9/1.5 Public address & general emergency alarm system (when used as fire alarm device item MED/3.53 shall apply)	Moved to MED/1.44a and MED/1.44b by Implementing Regulation (EU) 2022/1157.
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9.2. *Marine pollution prevention equipment*

Number and item designation	Regulation MARPOL 73/78, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
MED/9/2.4 Equipment using other technological methods to limit SOx emissions	Type approval requirements — IMO Res. MEPC.176(58) – (Revised MARPOL Annex VI, Reg. 4), — IMO Res. MEPC.184(59).	
	Carriage and performance requirements — IMO Res. MEPC.176(58) – (Revised MARPOL Annex VI, Reg. 4).	

9.3. *Fire protection equipment*

Number and item designation	Regulation of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
MED/9/3.8 Electric safety lamp	Type approval requirements — SOLAS 74/2009 Reg. II-2/10, — SOLAS 74/2009 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 3.	— EN 60079 series.
	Carriage and performance requirements — SOLAS 74/2009 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/9/3.9 Protective clothing resistant to chemical attack	Type approval requirements — SOLAS 74/2009 Reg. II-2/19.	<ul style="list-style-type: none"> <li>— EN 943-1:2015 incl. A1:2019,</li> <li>— EN 943-2:2019,</li> <li>— EN 13832-1:2018,</li> <li>— EN 13832-2:2018,</li> <li>— EN 13832-3:2018,</li> <li>— EN 14605:2005 incl. A1:2009,</li> <li>— EN ISO 6530:2005,</li> <li>— ISO 6529:2013,</li> <li>— IMO MSC/Circ.1120.</li> </ul>
	Carriage and performance requirements — SOLAS 74/2009 Reg. II-2/19, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.4(48)-(IBC Code) 14, — IMO Res. MSC.5(48)-(IGC Code) 14.	
MED/9/3.21 Paint lockers and flammable liquid lockers fire extinguishing systems components	Type approval requirements — SOLAS 74/2009 Reg. II-2/10.	
	Carriage and performance requirements — SOLAS 74/2009 Reg. II-2/10, — IMO MSC/Circ.1239.	
MED/9/3.24 Portable Foam Applicator Units	Type approval requirements — SOLAS 74/2009 Reg. II-2/10, — SOLAS 74/2009 Reg. II-2/20, — SOLAS 74/2009 Reg. X/3.	
	Carriage and performance requirements — SOLAS 74/2009 Reg. II-2/10, — SOLAS 74/2009 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) 4, — IMO MSC/Circ.1239, — IMO MSC.1/Circ.1313.	
MED/9/3.26 Gaseous Fuel Systems Used for Domestic Purposes (components)	Type approval requirements — SOLAS 74/2009 Reg. II-2/4.	
	Carriage and performance requirements — SOLAS 74/2009 Reg. II-2/4, — IMO MSC.1/Circ.1276.	



<p>MED/9/3.27</p> <p>Fixed Gas Fire Extinguishing Systems (CO<sub>2</sub>) components</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10,</li> <li>— SOLAS 74/2009 Reg. X/3.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10.,</li> <li>— SOLAS 74/2009 Reg. II-2/20,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 5,</li> <li>— IMO MSC.1/Circ.1313,</li> <li>— MSC.1/Circ.1318/Rev.1,</li> <li>— IMO MSC.1/Circ.1456.</li> </ul>	<p>Electrical automatic control and delay devices:</p> <ul style="list-style-type: none"> <li>— EN 12094-1:2003,</li> </ul> <p>Non-electrical automatic control and delay devices:</p> <ul style="list-style-type: none"> <li>— EN 12094-2:2003,</li> </ul> <p>Manual triggering and stop devices:</p> <ul style="list-style-type: none"> <li>— EN 12094-3:2003,</li> </ul> <p>Container valve assemblies and their actuators:</p> <ul style="list-style-type: none"> <li>— EN 12094-4:2004,</li> </ul> <p>High- and low-pressure selector valves and their actuators:</p> <ul style="list-style-type: none"> <li>— EN 12094-5:2006,</li> </ul> <p>Non-electrical disable devices:</p> <ul style="list-style-type: none"> <li>— EN 12094-6:2006,</li> </ul> <p>Nozzles for CO<sub>2</sub> Systems:</p> <ul style="list-style-type: none"> <li>— EN 12094-7:2000 incl. A1:2005,</li> </ul> <p>Connectors:</p> <ul style="list-style-type: none"> <li>— EN 12094-8:2006,</li> </ul> <p>Pressure gauges and pressure switches:</p> <ul style="list-style-type: none"> <li>— EN 12094-10:2003,</li> </ul> <p>Mechanical weighing devices:</p> <ul style="list-style-type: none"> <li>— EN 12094-11:2003,</li> </ul> <p>Check valves and non-return valves:</p> <ul style="list-style-type: none"> <li>— EN 12094-13:2001 incl. AC:2002,</li> </ul> <p>Odorizing devices for CO<sub>2</sub> low pressure systems:</p> <ul style="list-style-type: none"> <li>— EN 12094-16:2003.</li> </ul>
<p>MED/9/3.31</p> <p>Water Spraying Hand Operated System</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10,</li> <li>— SOLAS 74/2009 Reg. II-2/19.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10,</li> <li>— SOLAS 74/2009 Reg. II-2/19.</li> </ul>	

<p>MED/9/3.33</p> <p>Fire hoses with diameter &gt; 52 mm</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10,</li> <li>— SOLAS 74/2009 Reg. X/3.</li> </ul>	
<p>MED/9/3.74</p> <p>Alcohol-resistant foam system</p> <p>Added by Implementing Regulation (EU) 2022/1157.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-1/56,</li> <li>— SOLAS 74 Reg. II-1/57.</li> </ul>	
<p>MED/9/3.75</p> <p>Flexible hoses suitable for methyl/ethyl alcohol for fuel piping systems</p> <p>Added by Implementing Regulation (EU) 2022/1157.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-1/56,</li> <li>— SOLAS 74 Reg. II-1/57.</li> </ul>	
<p>MED/9/3.76</p> <p>Vapour outlets suitable for methyl/ethyl alcohol fuel tanks</p> <p>Added by Implementing Regulation (EU) 2022/1157.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-1/56,</li> <li>— SOLAS 74 Reg. II-1/57.</li> </ul>	

9.4. Navigation equipment

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
<p>MED/9/4.20 Track control system for – high-speed craft</p>	<p>Type approval requirements                      — SOLAS 74/2009 Reg. X/3,                      — IMO Res. MSC.36(63)-(1994 HSC Code),                      — IMO Res. MSC.97(73)-(2000 HSC Code).</p> <p>Carriage and performance requirements                      — IMO Res. A.694(17),                      — IMO Res. MSC.36(63)-(1994 HSC Code),                      — IMO Res. MSC.97(73)-(2000 HSC Code),                      — IMO Res. MSC.191(79).</p>	<p>— EN 60945:2002 incl. IEC 60945:2002/COR1:2008,                      — EN 61162 series:                          EN 61162-1:2016                          EN 61162-2:1998                          EN 61162-3:2008 +A1:2010+A2:2014                          EN IEC 61162-450:2018.                      — IEC 62288:2014,                      — IEC 62923-1:2018,                      — IEC 62923-2:2018.                      Or                      — IEC 60945:2002 incl. IEC 60945:2002/COR1:2008,                      — EN 61162 series:                          EN 61162-1:2016                          EN 61162-2:1998                          EN 61162-3:2008 +A1:2010+A2:2014                          EN IEC 61162-450:2018.                      IEC 62288:2014,                      IEC 62923-1:2018,                      IEC 62923-2:2018.</p>

<p>MED/9/4.21</p> <p>Electronic Record Book (ERB)</p> <p>Added by Implementing Regulation (EU) 2024/1975.</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945:2002/COR1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010+A2:2014</li> </ul> </li> <li>EN IEC 61162-450:2018.</li> </ul>
	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code)13,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul> <p>Note: A specific SOLAS carriage requirement (e.g. SOLAS Reg. V/19) is not available for the time being.</p>	<ul style="list-style-type: none"> <li>— IEC 62288:2014,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 21745:2019.</li> </ul> <p>Or</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 incl. IEC 60945:2002/COR1:2008,</li> <li>— EN 61162 series: <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010+A2:2014</li> </ul> </li> <li>EN IEC 61162-450:2018.</li> <li>— IEC 62288:2014,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 21745:2019.</li> </ul>

#### 9.5. Radiocommunication equipment

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
<p>MED/9/5.8</p> <p>Aeronautical two-way VHF radio telephone apparatus</p>	<p>Moved to MED/5.16 by Implementing Regulation (EU) 2020/1170.</p>	

9.6. *Equipment required under COLREG 72*

Number and item designation	Regulation of COLREG 72, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
<p>MED/9/6.2 Sound signal appliances</p>	<p>Type approval requirements — COLREG 72 Annex III/3.</p> <hr/> <p>Carriage and performance requirements — COLREG 72 Annex III/3, — IMO Res. A.694(17).</p>	<p>— EN 60945:2002 incl. IEC 60945:2002/COR1:2008, — Whistles – COLREG 72 Annex III/1 (Performance), — Bells or Gongs – COLREG 72 Annex III/2 (Performance), Or — IEC 60945:2002 incl. IEC 60945:2002/COR1:2008, — Whistles – COLREG 72 Annex III/1 (Performance), — Bells or Gongs – COLREG 72 Annex III/2 (Performance).</p>
<p>MED/9/6.3 Navigation lights controller Added by Implementing Regulation (EU) 2024/1975.</p>	<p>Type approval requirements — COLREG 72 Annex I/14.</p> <hr/> <p>Carriage and performance requirements — COLREG 72 Annex I/14. — IMO Res. A.694(17), — IMO Res. MSC.191(79), — IMO Res. MSC.253(83), — IMO Res. MSC.302(87). Comment: A specific carriage requirement is not available for the time being.</p>	<p>— EN 60945:2002 incl. IEC 60945:2002/COR1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018. — IEC 62288:2021, — IEC 62923-1:2018, — IEC 62923-2:2018. Or — IEC 60945:2002 incl. IEC 60945:2002/COR1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018. — IEC 62288:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>

## 9.7. 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
MED/9/7.1 Loading instrument Note: Please see IACS Recommendation No. 48.	Type approval requirements — SOLAS 74/2009 Reg. XII/11, — 1997 SOLAS Conference Res. 5.	— IMO MSC.1/Circ.1229.
	Carriage and performance requirements — SOLAS 74/2009 Reg. XII/11, — 1997 SOLAS Conference Res. 5.	

## 9.8. SOLAS Chapter II-1 equipment

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
MED/9/8.1 Cold weather starting of generator sets (starting devices)	Type approval requirements — SOLAS 74/2009 Reg. II-1/44, — SOLAS 74/2009 Reg. X/3.	
	Carriage and performance requirements — SOLAS 74/2009 Reg. II-1/44, — IMO Res. MSC.36(63)-(1994 HSC Code) 12, — IMO Res. MSC.97(73)-(2000 HSC Code) 12, — IMO MSC.1/Circ.1572/Rev.1.	