



Sayı : 38591462-010.03-2024-1446  
Konu : Tebliğ Taslağı

24.06.2024

Sirküler No: 440

Sayın Üyemiz,

Ulaştırma ve Altyapı Bakanlığı Tersaneler ve Kıyı Yapıları Genel Müdürlüğü'nün 11.06.2024 tarih ve 1923522 sayılı yazısında, 2014/90/EU sayılı AB Direktifi olan Gemi Teçhizatı Yönetmeliği uyarınca Avrupa Komisyonu tarafından yayımlanan 2023/1667 sayılı Uygulama Yönetmeliğinde; Gemi Teçhizatı Yönetmeliği kapsamında kullanılacak ekipmanların listesinin, hangi IMO mevzuat kapsamında yer aldığı, test standartlarının, uygunluk değerlendirme modüllerinin, piyasaya ilk arz ve gemiye son yerleştirme tarihlerinin bulunduğu belirtilerek ulusal mevzuatımızda Tebliğ şeklinde yayımlanması planlanan taslak mevzuata ilişkin Odamız görüşleri talep edilmektedir.

Konuya ilişkin değerlendirme, görüş ve önerilerinizin 17.02.2006 ve tarihli 26083 sayılı Resmî Gazete'de yayımlanan Mevzuat Hazırlama Usul ve Esasları Hakkında Yönetmelik ekinde yer alan görüş formuna işlenerek 28.06.2023 tarihi mesai bitimine kadar Odamıza (giti@denizticaretodasi.org.tr) gönderilmesi hususunu arz/rica ederim.

Saygılarımla,

*e-imza*

İsmet SALİHOĞLU  
Genel Sekreter

**Ek:**Tersaneler ve Kıyı Yapıları Genel Müdürlüğü'nün İlgili Yazısı ve Ekleri (599 sayfa)

Dağıtım:

Gereği:

- Tüm Üyeler (WEB sayfası ve e-posta ile)
- İMEAK DTO Şube ve Temsilcilikleri
- Türk Armatörler Birliği
- S.S. Gemi Armatörleri Motorlu Taşıyıcılar Kooperatifi
- GİSBİR (Türkiye Gemi İnşa Sanayicileri Birliği Derneği)
- VDAD (Vapur Donatanları ve Acenteleri Derneği)
- Yalova Altınova Tersane Girişimcileri San.ve Tic.A.Ş.
- TAİS (Türk Armatörleri İşverenler Sendikası)
- GEMİMO (Gemi Makineleri İşletme Mühendisleri Odası)
- TMMOB GMO (Gemi Mühendisleri Odası)
- 03,04,05,06,07,08,09,10,12 ve 47 No.lu Meslek Grupları

Bilgi:

- Yönetim Kurulu Başkan ve Üyeleri
- İMEAK DTO Şube YK Başkanları
- İMEAK DTO Meslek Komite Başkanları

**Bu belge, 5070 sayılı Elektronik İmza Kanuna göre Güvenli Elektronik İmza ile İmzalanmıştır.**



Evrakı Doğrulamak İçin :  
<https://ebys.denizticaretodasi.org.tr/enVision/Dogrula/BSNZ9CSSS>  
Bilgi için: Faruk HUSİÇ Telefon: 02122520130  
E-Posta: faruk.husic@denizticaretodasi.org.tr  
Meclis-i Mebusan Caddesi No:22 34427 Fındıklı-Beyoğlu-İSTANBUL/TÜRKİYE  
Tel : +90 (212) 252 01 30 (Pbx) Faks: +90 (212) 293 79 35 KEP: imeakdto@hs01.kep.tr  
Web: www.denizticaretodasi.org.tr E-mail: iletisim@denizticaretodasi.org.tr





İSTANBUL VE MARMARA, EGE, AKDENİZ, KARADENİZ BÖLGELERİ

ISTANBUL & MARMARA, AEGEAN, MEDITERRANEAN, BLACKSEA REGIONS

**DENİZ TİCARET ODASI**



**CHAMBER OF SHIPPING**

**Bu belge, 5070 sayılı Elektronik İmza Kanuna göre Güvenli Elektronik İmza ile İmzalanmıştır.**



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<https://ebys.denizticaretodasi.org.tr/enVision/Dogrula/BSNZ9CSSS>  
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Web: www.denizticaretodasi.org.tr E-mail: iletisim@denizticaretodasi.org.tr





T.C.  
ULA TIRMA VE ALTYAPI BAKANLI I  
Tersaneler ve Kıyı Yapıları Genel Müdürlü ü

Sayı : E-80635150-010.03-1923522

11.06.2024

Konu : Tebliğ Taslağı

DAĞITIM YERLERİNE

İlgi : 17.02.2006 tarihli ve 26083 sayılı Resmî Gazete'de yayımlanan Mevzuat Hazırlama Usul ve Esasları Hakkında Yönetmelik.

2014/90/EU sayılı AB Direktifi olan Gemi Teçhizatı Yönetmeliğı uyarınca Avrupa Komisyonu tarafından yayımlanan 2023/1667 sayılı Uygulama Yönetmeliğinde; Gemi Teçhizatı Yönetmeliğı kapsamında kullanılacak ekipmanların listesi, hangi IMO mevzuat kapsamında yer aldığı, test standartları, uygunluk değerlendirme modülleri, piyasaya ilk arz ve gemiye son yerleştirme tarihleri bulunmaktadır.

Bu bağlamda, ulusal mevzuatımızda Tebliğ şeklinde yayımlanması planlanan ve ekte yer alan söz konusu taslak mevzuata görüşlerinizin, ilgi (a) Yönetmelik ekinde yer alan "Taslaklar Hakkında Görüş Bildirilmesinde Kullanılacak Form"a uygun olarak işlenip en geç 28.06.2024 tarihine kadar Genel Müdürlüğümüze gönderilmesi hususunda bilgilerinizi ve gereğini arz ve rica ederim.

Salih TAN

Bakan a.

Tersaneler ve Kıyı Yapıları Genel Müdürü

Ek:

- 1 - Gerekçe (1 Sayfa)
- 2 - Tebliğ Taslağı (1 Sayfa)
- 3 - Tebliğ Taslağı Eki (293 Sayfa)
- 4 - 2023/1667 sayılı Uygulama Yönetmeliğı (301 Sayfa)

Dağıtım:

Çalışma ve Sosyal Güvenlik Bakanlığına  
Çevre, Şehircilik ve İklim Değışikliğı Bakanlığına  
Dışişleri Bakanlığına  
Sanayi ve Teknoloji Bakanlığına  
Ticaret Bakanlığına  
Avrupa Birliğı Başkanlığına  
Türk Standardları Enstitüsü Başkanlığına  
Gemi Makineleri İşletme Mühendisleri Odası  
Başkanlığına

**Bu belge, güvenli elektronik imza ile imzalanmıştır.**

Do rulama Kodu: 580BDD9-EA70-433A-9F25-BE96F0361D82

Do rulama Adresi: <https://www.turkiye.gov.tr/uab-ebys>

Hakkı Turaylıç Caddesi No:5 06338 Emek / Çankaya / ANKARA

Telefon: 0312 203 10 00 Belgegeçer: 0312 231 42 87

e-posta: [tersaneler.kiyiyapilari@udhb.gov.tr](mailto:tersaneler.kiyiyapilari@udhb.gov.tr)

KEP Adresi : [uab@hs01.kep.tr](mailto:uab@hs01.kep.tr)

Bilgi için: Bora GÖKÇE

Mühendis

E-Posta: [bora.gokce@uab.gov.tr](mailto:bora.gokce@uab.gov.tr)



Gemi Mühendisleri Odası Başkanlığına  
İstanbul ve Marmara, Ege, Akdeniz, Karadeniz  
Bölgeleri Deniz Ticaret Odası Başkanlığı (İmeak)na  
Mersin Deniz Ticaret Odası Başkanlığına  
Gisbir - Türkiye Gemi İnşa Sanayicileri Birliğine  
Det Norske Veritas Gemi Sınıflandırma Enerji  
Mühendislik Hizm. Ltd. Sti.ne  
NİDAKULE MERDİVENKÖY MAH. BORA SOK.  
NO: 1 KAT:13  
GÖZTEPE ( 34732) KADIKÖY / İSTANBUL  
Korean Register Of Shipping Head Office  
Lloyd's Register Gözetim Ltd. Şti.  
Nippon Kaiji Kyokai İstanbul Ofisi  
Rina Denizcilik ve Belgelendirme Ltd. Şti.  
Türk Loydu Uygunluk Değerlendirme Hizmetleri  
A.Ş.NE  
Saha İstanbul Savunma, Havacılık ve Uzay  
Kümelenmesi Derneğine  
Teknopark İstanbul No:1/9A, Üst Zemin Kat  
D:104-105 PENDİK / İSTANBUL

**Bu belge, güvenli elektronik imza ile imzalanmıştır.**

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KEP Adresi : [uab@hs01.kep.tr](mailto:uab@hs01.kep.tr)

Bilgi için: Bora GÖKÇE

Mühendis

E-Posta: [bora.gokce@uab.gov.tr](mailto:bora.gokce@uab.gov.tr)



## II

(Non-legislative acts)

## REGULATIONS

## 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**

(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(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) 2022/1157 <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(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*.

<sup>(1)</sup> OJ L 257, 28.8.2014, p. 146.

<sup>(2)</sup> Commission Implementing Regulation (EU) 2022/1157 of 4 July 2022 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) 2021/1158 (OJ L 180, 6.7.2022, p. 1).

- (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 established by Regulation (EC) No 2099/2002 of the European Parliament and of the Council <sup>(3)</sup>,

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(5) of Directive 2014/90/EU, shall apply to each item of marine equipment listed in the Annex to this Regulation.

*Article 2*

Implementing Regulation (EU) 2022/1157 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.

*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, 8 August 2023.

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

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<sup>(3)</sup> Regulation (EC) No 2099/2002 of the European Parliament and of the Council of 5 November 2002 establishing a Committee on Safe Seas and the Prevention of Pollution from Ships (COSS) and amending the Regulations on maritime safety and the prevention of pollution from ships (OJ L 324, 29.11.2002, p. 1).

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.

ICAO, International Civil Aviation Organization.

IEC, International Electrotechnical Commission.

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

IMO, International Maritime Organization.

ISO, International Organisation for Standardization.

ITU, International Telecommunication Union.

LSA, Life saving appliance.

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

MED, Marine Equipment Directive.

MEPC, Marine Environment Protection Committee.

MSC, Maritime Safety Committee.

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

O<sub>2</sub>/HC systems: Oxygen Hydro Carbon 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/1.3), 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
MED/1.1 Lifebuoys Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	— IMO Res. MSC.81(70), as amended.	B+D  B+E  B+F		10.10.2026  (ii)
	Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) II, — IMO Res. MSC.97(73)-(2000 HSC Code) 8, — IMO MSC.1/Circ.1628.				
MED/1.1 Lifebuoys Row 2 of 2  (NEW ROW)  — not intended for combined use with item 1.10  — intended for combined use with item 1.10	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.	— IMO Res. MSC.81(70), as amended,  — IMO Res. MSC.481(102).	B+D  B+E  B+F	10.10.2023	
	Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/34,				

1	2	3	4	5	6
<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>— 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.</li> </ul>				
<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 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.97(73)-(2000 HSC Code) 8.</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> </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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(ii)</p>
<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 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> </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>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
<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>	<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 MSC.1/Circ.1628.</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>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 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> </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> </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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(ii)</p>
<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>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>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</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>Row 2 of 2</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>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.</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> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— ISO 24408: 2005.</li> </ul>			
<p>MED/1.2c</p> <p>Position-indicating lights for life-saving appliances:</p> <ul style="list-style-type: none"> <li>— for lifejackets</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> <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/26,</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> </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> </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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(ii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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> </ul>				
<p>MED/1.2c</p> <p>Position-indicating lights for life-saving appliances:</p> <ul style="list-style-type: none"> <li>— for lifejackets</li> </ul> <p>Row 2 of 2</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/26,</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.</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>	
<p>MED/1.3</p> <p>Lifebuoys self-activating smoke signals</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> </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>12.8.2023</p> <p>(ii)</p>

1	2	3	4	5	6
	<p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</p>				
<p>MED/1.3</p> <p>Lifebuys self-activating smoke signals</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> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/7,</p> <p>— SOLAS 74 Reg. III/34,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) I,</p> <p>— IMO Res. MSC.48(66)-(LSA Code) II,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO MSC.1/Circ.1628.</p>	<p>— IMO Res. MSC.81(70), as amended,</p> <p>— ISO 15736: 2006.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
MED/1.4 Lifejackets 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/7, — SOLAS 74 Reg. III/22, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) II, — IMO Res. MSC.97(73)-(2000 HSC Code) 8, — IMO MSC/Circ.922, — IMO MSC.1/Circ.1304, — IMO MSC.1/Circ.1470, — IMO MSC.1/Circ.1628.	— IMO Res. MSC.81(70), as amended.	B+D  B+E  B+F		10.10.2026  (ii)
MED/1.4 Lifejackets Row 2 of 2 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22,	— IMO Res. MSC.81(70), as amended, — IMO Res. MSC.481(102).	B+D  B+E  B+F	10.10.2023	

1	2	3	4	5	6
	<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.922,</li> <li>— IMO MSC.1/Circ.1304,</li> <li>— IMO MSC.1/Circ.1470,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
<p>MED/1.5a</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <ul style="list-style-type: none"> <li>— immersion suit without 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> </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>



1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>				
<p>MED/1.5a</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <ul style="list-style-type: none"> <li>— immersion suit without inherent insulation</li> </ul> <p>Row 2 of 2 (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> <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 Res. MSC.481(102),</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> <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>	

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>(NEW ROW)</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>	

1	2	3	4	5	6
	<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.</li> </ul>				
<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> <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> </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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>				
<p>MED/1.5c</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <ul style="list-style-type: none"> <li>— anti-exposure suits</li> </ul> <p>Row 2 of 2 (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> <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 Res. MSC.481(102),</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> <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>	
<p>MED/1.6a</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 without inherent insulation</li> </ul>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</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>

1	2	3	4	5	6
Row 1 of 2	— SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22, — SOLAS 74 Reg. III/32, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) II, — IMO Res. MSC.97(73)-(2000 HSC Code) 8, — IMO MSC/Circ.1046, — IMO MSC.1/Circ.1628.				
MED/1.6a  Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket:  — immersion suit without inherent insulation  Row 2 of 2  (NEW ROW)	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/7, — SOLAS 74 Reg. III/22, — SOLAS 74 Reg. III/32, — SOLAS 74 Reg. III/34,	— IMO Res. MSC.81(70), as amended,  — IMO Res. MSC.481(102).	B+D  B+E  B+F	10.10.2023	

1	2	3	4	5	6
	<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) 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.</li> </ul>				
<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> </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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
<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 (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> <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 Res. MSC.481(102),</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> <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>	
<p>MED/1.6c</p> <p>Immersion suits and anti-exposure suits designed to be worn WITHOUT a life-jacket</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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>

1	2	3	4	5	6
<p>— anti-exposure suits</p> <p>Row 1 of 2</p>	<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>				
<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>(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> <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> </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>	



1	2	3	4	5	6
	<ul style="list-style-type: none"> <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.</li> </ul>				
<p>MED/1.7</p> <p>Thermal protective aids</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>Carriage and performance requirements</p> <ul style="list-style-type: none"> <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>		

1	2	3	4	5	6
MED/1.8 Rocket parachute flares (pyrotechnics) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/6, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) III, — IMO Res. MSC.97(73)-(2000 HSC Code) 8.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F		12.8.2023  (ii)
MED/1.8 Rocket parachute flares (pyrotechnics) Row 2 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/6, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) III,	— IMO Res. MSC.81(70), as amended, — ISO 15736: 2006.	B+D B+E B+F	12.8.2020	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1629.</li> </ul>				
<p>MED/1.9 Hand flares (pyrotechnics) 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) III,</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> </ul>	<p>B+D B+E B+F</p>		<p>12.8.2023 (ii)</p>
<p>MED/1.9 Hand flares (pyrotechnics) 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> <li>— IMO Res. MSC.48(66)-(LSA Code) III,</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
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1629.</li> </ul>				
<p>MED/1.10</p> <p>Buoyant smoke signals (pyrotechnics)</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. MSC.48(66)-(LSA Code) I,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) III.</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>12.8.2023</p> <p>(ii)</p>
<p>MED/1.10</p> <p>Buoyant smoke signals (pyrotechnics)</p> <p>Row 2 of 2</p> <p><i>Note: See also item MED/1.1.</i></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</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
MED/1.11 Line-throwing appliances 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/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> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended.</li> </ul>	B+D  B+E  B+F		12.8.2023  (ii)
MED/1.11 Line-throwing appliances 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/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> </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
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1633.</li> </ul>				
<p>MED/1.12</p> <p>Inflatable liferafts</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/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>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended.</li> </ul> <p>And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.12</p> <p>Inflatable liferafts</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4,</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>10.10.2023</p>	

1	2	3	4	5	6
Row 2 of 2 (NEW ROW)	— SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/13, — SOLAS 74 Reg. III/21, — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/31, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) IV, — IMO Res. MSC.97(73)-(2000 HSC Code) 8, — IMO Res. MSC.481(102), — IMO MSC/Circ.811, — IMO MSC.1/Circ.1328, — IMO MSC.1/Circ.1630.	And for extended service intervals: — IMO MSC.1/Circ.1328.	B+F		
MED/1.13 Rigid liferafts 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/26,	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F		10.10.2026 (ii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>MED/1.13</p> <p>Rigid liferafts</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. 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> </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>	



1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.481(102),</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>				
<p>MED/1.14a</p> <p>Automatically self-righting liferafts:</p> <ul style="list-style-type: none"> <li>— inflatable</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/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>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended.</li> </ul> <p>And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.14a</p> <p>Automatically self-righting liferafts:</p> <ul style="list-style-type: none"> <li>— inflatable</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/26,</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>And for extended service intervals:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1328.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
(NEW ROW)	<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/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>MED/1.14b</p> <p>Automatically self-righting liferafts:</p> <ul style="list-style-type: none"> <li>— rigid</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/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> </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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>MED/1.14b</p> <p>Automatically self-righting liferafts:</p> <ul style="list-style-type: none"> <li>— rigid</li> </ul> <p>Row 2 of 2 (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> <hr/> <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 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.</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>	

1	2	3	4	5	6
MED/1.15 Canopied reversible liferafts 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/26, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) IV, — IMO Res. MSC.97(73)-(2000 HSC Code) 8, — IMO MSC/Circ.809, — IMO MSC/Circ.811, — IMO MSC.1/Circ.1328, — IMO MSC.1/Circ.1630.	— IMO Res. MSC.81(70), as amended.  And for extended service intervals:  — IMO MSC.1/Circ.1328.	B+D  B+E  B+F		10.10.2026  (ii)
MED/1.15 Canopied reversible liferafts Row 2 of 2 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. III/34,	— IMO Res. MSC.81(70), as amended, — IMO Res. MSC.481(102).  And for extended service intervals:  — IMO MSC.1/Circ.1328.	B+D  B+E  B+F	10.10.2023	

1	2	3	4	5	6
	<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.</li> </ul>				
<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>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> </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>		

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.811,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>				
<p>MED/1.17a</p> <p>Lifeboats</p> <p>Davit-launched lifeboats:</p> <ul style="list-style-type: none"> <li>— partially enclosed</li> <li>— totally enclosed</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/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>	<p>B+D</p> <p>B+F</p> <p>G</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.17a</p> <p>Lifeboats</p> <p>Davit-launched lifeboats:</p> <ul style="list-style-type: none"> <li>— partially enclosed</li> <li>— totally enclosed</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/21,</li> <li>— SOLAS 74 Reg. III/31,</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>	

1	2	3	4	5	6
(NEW ROW)	<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.1423,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>				
<p>MED/1.17b</p> <p>Lifeboats</p> <p>Free-fall lifeboats</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 MSC/Circ.1006.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>Row 1 of 2</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.97(73)-(2000 HSC Code) 8,</li> </ul>				

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1423,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>				
<p>MED/1.17b</p> <p>Lifeboats</p> <p>Free-fall lifeboats</p> <p>Row 2 of 2 (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> <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.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.</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>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>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> </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>



1	2	3	4	5	6
<p>Note: New item inserted by Implementing Regulation (EU) 2022/1157</p> <p>Row 1 of 2</p>	<ul style="list-style-type: none"> <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>				
<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>(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> <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> </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>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
<p>MED/1.18</p> <p>Rigid 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> <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>	<p>B+D</p> <p>B+F</p> <p>G</p>		<p>10.10.2026</p> <p>(ii)</p>
<p>MED/1.18</p> <p>Rigid 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>	<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>	

1	2	3	4	5	6
(NEW ROW)	Carriage and performance requirements — SOLAS 74 Reg. III/21, — SOLAS 74 Reg. III/31, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) V, — IMO Res. MSC.97(73)-(2000 HSC Code) 8, — IMO Res. MSC.481(102), — IMO MSC.1/Circ.1631.				
MED/1.19 Inflated rescue boats Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/21, — SOLAS 74 Reg. III/31, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) V,	— IMO Res. MSC.81(70), as amended, — ISO 15372:2000.	B+D B+F G		10.10.2026 (ii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
<p>MED/1.19</p> <p>Inflated rescue boats</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. 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) 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>	<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>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	
<p>MED/1.20a</p> <p>Fast rescue boats:</p> <ul style="list-style-type: none"> <li>— inflated</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> </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>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended,</li> <li>— ISO 15372:2000.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>		<p>10.10.2026</p> <p>(ii)</p>

1	2	3	4	5	6
	<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 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> <ul style="list-style-type: none"> <li>— inflated</li> </ul> <p>Row 2 of 2 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4.</li> </ul> <hr/> <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.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	
<p>MED/1.20b</p> <p>Fast rescue boats:</p> <ul style="list-style-type: none"> <li>— rigid</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> </ul> <hr/> <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>	<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>10.10.2026</p> <p>(ii)</p>

1	2	3	4	5	6
	<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 MSC/Circ.1016,</li> <li>— IMO MSC/Circ.1094,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
<p>MED/1.20b</p> <p>Fast rescue boats:</p> <ul style="list-style-type: none"> <li>— rigid</li> </ul> <p>Row 2 of 2 (NEW ROW)</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/4.</li> </ul> <hr/> <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>— IMO MSC/Circ.1006.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	
<p>MED/1.20c</p> <p>Fast rescue boats:</p> <ul style="list-style-type: none"> <li>— rigid-inflated</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> </ul> <hr/> <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>	<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</p> <p>B+F</p> <p>G</p>		<p>10.10.2026</p> <p>(ii)</p>

1	2	3	4	5	6
	<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 MSC/Circ.1016,</li> <li>— IMO MSC/Circ.1094,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
<p>MED/1.20c</p> <p>Fast rescue boats:</p> <ul style="list-style-type: none"> <li>— rigid-inflated</li> </ul> <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. III/4.</li> </ul> <hr/> <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>— IMO MSC/Circ.1006,</li> <li>— ISO 15372:2000.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	
<p>MED/1.21</p> <p>Launching appliances using falls (davits)</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/23,</li> <li>— SOLAS 74 Reg. III/33,</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>G</p>		

1	2	3	4	5	6
	<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) VI,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>				

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.

<p>MED/1.23</p> <p>Launching appliances for free-fall lifeboats</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/16,</li> <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> </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>G</p>		
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1	2	3	4	5	6
	— IMO MSC.1/Circ.1632.				
MED/1.24 Liferaft launching appliances (Davits) Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3. Carriage and performance requirements — SOLAS 74 Reg. III/12, — SOLAS 74 Reg. III/16, — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8, — IMO Res. MSC.48(66)-(LSA Code) I, — IMO Res. MSC.48(66)-(LSA Code) VI, — IMO Res. MSC.97(73)-(2000 HSC Code) 8, — IMO MSC.1/Circ.1632.	— IMO Res. MSC.81(70), as amended.	B+D B+E B+F G		
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
<p>MED/1.26a</p> <p>Release mechanism for:</p> <p>— lifeboats and rescue boats (launched by a fall or falls)</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/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.1/Circ.1419,</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>MED/1.26b</p> <p>Release mechanism for:</p> <p>— liferafts (launched by a fall or falls)</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/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.81(70), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>				
<p>MED/1.26c</p> <p>Release mechanism for:</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/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>	<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>MED/1.27</p> <p>Marine evacuation systems</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/15,</li> <li>— SOLAS 74 Reg. III/26,</li> <li>— SOLAS 74 Reg. III/34,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>		

1	2	3	4	5	6
	<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) VI,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>				
<p>MED/1.28</p> <p>Means of rescue</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> </ul> <hr/> <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) VI,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.81(70), as amended.</li> </ul>	<p>B+D</p> <p>B+F</p>		
<p>MED/1.29</p> <p>Embarkation ladders</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. 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> </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</p> <p>B+E</p> <p>B+F</p>		

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	<ul style="list-style-type: none"> <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.</li> </ul>				
<p>MED/1.30</p> <p>Retro-reflective materials</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. 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>	<ul style="list-style-type: none"> <li>— IMO Res. A.658(16), as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>15.8.2025</p> <p>(i)</p>
<p>MED/1.30</p> <p>Retro-reflective materials</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> </ul>	<ul style="list-style-type: none"> <li>— IMO Res. MSC.481(102).</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	

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	<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.97(73)-(2000 HSC Code) 8,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				

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.

<p>MED/1.33</p> <p>Radar reflector for lifeboats and rescue boats</p> <p>(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>		
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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.	— IMO Res. MSC.81(70), as amended.	B+D  B+E  B+F		
MED/1.37 Rescue boat propulsion engine - outboard motor Row 1 of 1	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res. MSC.48(66)-(LSA Code) V, — IMO MSC.1/Circ.1631.	— IMO Res. MSC.81(70), as amended.	B+D  B+E  B+F		
MED/1.38 Searchlights for use in lifeboats and rescue boats Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. III/34, — IMO Res. MSC.36(63)-(1994 HSC Code) 8,	— IMO Res. MSC.81(70), as amended.	B+D  B+E  B+F		13.9.2022  (ii)

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	<ul style="list-style-type: none"> <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>MED/1.38</p> <p>Searchlights for use in 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. 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.1630.</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> </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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	
<p>MED/1.39</p> <p>Open reversible liferafts</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>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</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>	<p>B+D</p> <p>B+F</p>		<p>10.10.2026</p> <p>(ii)</p>



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	<ul style="list-style-type: none"> <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>				
<p>MED/1.39</p> <p>Open reversible liferafts</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. 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 Res. MSC.481(102),</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> <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>	<p>B+D</p> <p>B+F</p>	<p>10.10.2023</p>	

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

1	2	3	4	5	6
<p>MED/1.41a</p> <p>Winches for survival craft and rescue boats:</p> <p>— davit launched lifeboats</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/23,</p> <p>— SOLAS 74 Reg. III/24,</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>		
<p>MED/1.41b</p> <p>Winches for survival craft and rescue boats:</p> <p>— free-fall lifeboats</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/23,</p> <p>— SOLAS 74 Reg. III/24,</p> <p>— SOLAS 74 Reg. III/34,</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
	<ul style="list-style-type: none"> <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>MED/1.41c</p> <p>Winches for survival craft and rescue boats:</p> <ul style="list-style-type: none"> <li>— liferafts</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/17,</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.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>	<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>G</p>		
<p>MED/1.41d</p> <p>Winches for survival craft and rescue boats:</p> <ul style="list-style-type: none"> <li>— rescue boats</li> </ul>	<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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		

1	2	3	4	5	6
<p>Row 1 of 1</p>	<p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/16,</li> <li>— SOLAS 74 Reg. III/17,</li> <li>— SOLAS 74 Reg. III/23,</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>MED/1.41e</p> <p>Winches for survival craft and rescue boats:</p> <ul style="list-style-type: none"> <li>— fast rescue boats</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/17,</li> <li>— SOLAS 74 Reg. III/23,</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> </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
	<ul style="list-style-type: none"> <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>				

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

MED/1.43 Rigid-inflated 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> <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</p> <p>B+F</p> <p>G</p>		<p>15.8.2025</p> <p>(ii)</p>
MED/1.43 Rigid-inflated 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> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. III/21,</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</p> <p>B+F</p> <p>G</p>	15.8.2022	

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	<ul style="list-style-type: none"> <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>				
<p>MED/1.44a</p> <p>Public Address and General Alarm Systems (PAGA)</p> <p>— Control and distribution system</p> <p>(When used as fire alarm device item A.1/3.53 shall apply.)</p> <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>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> </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: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018,</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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
<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>	<ul style="list-style-type: none"> <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> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.808,</li> <li>— IMO MSC.1/Circ.1369/Add.1.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 61162 series: 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 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/1.44b</p> <p>Public Address and General Alarm Systems (PAGA)</p> <ul style="list-style-type: none"> <li>— Speakers</li> </ul> <p>(When used as fire alarm device item A.1/3.53 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> </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>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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> <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>				



## 2. Marine pollution prevention

Number and item designation	Regulations of Marpol 73/78, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
1	2	3	4	5	6
MED/2.1 Oil-filtering equipment (for an oil content of the effluent not exceeding 15 p.p.m.) Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 14. Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 14, — IMO MEPC.1/Circ. 643.	— IMO Res. MEPC.107(49), as amended, — IMO MEPC.1/Circ. 643.	B+D B+E B+F		
MED/2.2 Oil/water interface detectors Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 32. Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 32.	— IMO Res. MEPC.5(XIII).	B+D B+E B+F		
MED/2.3 Oil-content meters Row 1 of 1	Type approval requirements — MARPOL 73/78 Annex I, Reg. 14. Carriage and performance requirements — MARPOL 73/78 Annex I, Reg. 14, — IMO MEPC.1/Circ. 643.	— IMO Res. MEPC.107(49), as amended, — IMO MEPC.1/Circ. 643.	B+D B+E B+F		

Item MED/2.4, Process units intended for attachment to existing oil/water separating equipment (for an oil content of the effluent not exceeding 15 p.p.m.), - has been deliberately left blank.

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> <p>— MARPOL 73/78 Annex I, Reg. 31,</p> <p>— IMO MEPC.1/Circ.858.</p> <hr/> <p>Carriage and performance requirements</p> <p>— MARPOL 73/78 Annex I, Reg. 31.</p>	<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</p> <p>(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> <p>— MARPOL 73/78 Annex IV, Reg. 9.</p> <hr/> <p>Carriage and performance requirements</p> <p>— MARPOL 73/78 Annex IV, Reg. 9.</p>	<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</p> <p>(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> <p>— MARPOL 73/78 Annex IV, Reg. 9.</p> <hr/> <p>Carriage and performance requirements</p> <p>— MARPOL 73/78 Annex IV, Reg. 9.</p>	<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>	
<p>MED/2.7</p> <p>Shipboard incinerators</p> <p>(Incinerator plants with capacities up to 4 000 kW)</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— MARPOL 73/78 Annex VI, Reg. 16.</p> <hr/> <p>Carriage and performance requirements</p> <p>— MARPOL 73/78 Annex VI, Reg. 16.</p>	<p>— IMO Res. MEPC.244(66).</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/2.8 NO <sub>x</sub> analyser permanently placed on board and for use on board as per NO <sub>x</sub> 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) - (NO <sub>x</sub> Technical Code 2008), — IMO Res. MEPC.198(62).	— IMO Res. MEPC.177(58) - (NO <sub>x</sub> Technical Code 2008), as amended.	B+D B+E B+F G		
Item MED/2.9, Equipment using other technological methods to limit SO <sub>x</sub> emissions, - moved to MED/9/2.4.					
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). 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 (NEW ROW)	Type approval requirements — IMO Res. MEPC.176(58) - (Revised MARPOL Annex VI, Reg. 4), — IMO Res. MEPC.340(77). 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
1	2	3	4	5	6
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		
MED/3.2 Portable fire extinguishers Row 1 of 2	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 4.  Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. II-2/18,	— EN 3-7:2004 incl. A1:2007, — EN 3-8:2006 incl. AC:2007, — EN 3-9:2006 incl. AC:2007, — EN 3-10:2009.	B+D  B+E  B+F		15.8.2025  (ii)

1	2	3	4	5	6
	<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. 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>				
<p>MED/3.2</p> <p>Portable fire extinguishers</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) 4.</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. 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> </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>15.8.2022</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>				
<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>	<ul style="list-style-type: none"> <li>— EN 469:2005 incl. A1:2006 and AC:2006.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>25.8.24</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>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>	<ul style="list-style-type: none"> <li>— EN 469:2020.</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
Row 2 of 2	Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 3.				
MED/3.3b  Fire-fighter's outfit: protective clothing (close proximity clothing): — protective clothing for firefighting: reflective clothing for specialised fire-fighting  Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 3.  Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 3.	— EN 1486:2007.	B+D  B+E  B+F		
MED/3.3c  Fire-fighter's outfit: protective clothing (close proximity clothing): — protective clothing for firefighting: protective clothing with a reflective outer surface  Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 3.  Carriage and performance requirements — SOLAS 74 Reg. II-2/10,	— ISO 15538:2001.  Note: Level 2.	B+D  B+E  B+F		

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>MED/3.4</p> <p>Fire-fighter's outfit: boots</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> <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>	<ul style="list-style-type: none"> <li>— EN 15090:2012.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.5</p> <p>Fire-fighter's outfit: gloves</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> </ul>	<ul style="list-style-type: none"> <li>— EN 659:2003 incl. A1:2008 and AC:2009.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		



1	2	3	4	5	6
	<p>— IMO Res. MSC.98(73)-(FSS Code) 3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. II-2/15,</p> <p>— IMO Res. MSC.4(48)-(IBC Code) 11,</p> <p>— IMO Res. MSC.5(48)-(IGC Code) 11,</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) 3.</p>				
<p>MED/3.6</p> <p>Fire-fighter's outfit: helmet</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. II-2/15,</p> <p>— IMO Res. MSC.4(48)-(IBC Code) 11,</p> <p>— IMO Res. MSC.5(48)-(IGC Code) 11,</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) 3.</p>	<p>— EN 443:2008.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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 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>	<p>— ISO 23269-2:2011 (firefighting - maritime use only).</p> <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>		
<p>MED/3.8</p> <p>Compressed air line breathing apparatus</p> <p>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) 7.</li> </ul>	<p>— EN 14593-1:2018.</p> <p>Or:</p> <p>— EN 14594:2018.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	

1	2	3	4	5	6
	<p>Note: This equipment is only for high-speed craft built under provisions of the 1994 HSC Code.</p> <p>Carriage and performance requirements</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7.</p>				
<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> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 8.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/9,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.44(65),</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 8,</p> <p>— IMO MSC/Circ.912,</p> <p>— IMO MSC/Circ. 1556.</p>	<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>		
<p>MED/3.11a</p> <p>'A' &amp; 'B' Class divisions fire integrity:</p> <ul style="list-style-type: none"> <li>— 'A' class division</li> </ul> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3.2,</li> <li>— IMO MSC/Circ.1120.</li> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3.2.</li> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— IMO MSC/Circ.1120,</li> <li>— IMO MSC.1/Circ.1434,</li> <li>— IMO MSC.1/Circ.1616.</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.1435.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>18.5.2025</p> <p>(iii)</p>

1	2	3	4	5	6
<p>MED/3.11a</p> <p>'A' &amp; 'B' Class divisions fire integrity:</p> <p>— 'A' class division</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3.2,</p> <p>— IMO MSC/Circ.1120.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3.2.</p> <p>— SOLAS 74 Reg. II-2/9,</p> <p>— IMO MSC/Circ.1120,</p> <p>— IMO MSC.1/Circ.1434,</p> <p>— IMO MSC.1/Circ.1616,</p> <p>— IMO MSC.1/Circ.1621.</p>	<p>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended,</p> <p>— IMO MSC.1/Circ.1435.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>18.5.2022</p>	
<p>MED/3.11b</p> <p>'A' &amp; 'B' Class divisions fire integrity:</p> <p>— 'B' class divisions</p> <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> <p>— SOLAS 74 Reg. II-2/3.4,</p> <p>— IMO MSC/Circ.1120.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3.4,</p> <p>— SOLAS 74 Reg. II-2/9,</p> <p>— IMO MSC/Circ.1120,</p> <p>— IMO MSC.1/Circ.1581.</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/3.12a</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <p>— P/V valves</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15.</p>	<p>— IMO MSC/Circ.677, as amended,</p> <p>— EN ISO 16852:2016,</p> <p>— ISO 15364:2016.</p>	<p>B+F</p>	<p>19.6.2018</p>	<p>25.8.2024</p> <p>(iii)</p>
<p>MED/3.12a</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <p>— P/V valves</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15.</p>	<p>— IMO MSC/Circ.677, as amended,</p> <p>— EN ISO 16852:2016,</p> <p>— ISO 15364:2021.</p>	<p>B+F</p>	<p>25.8.2021</p>	
<p>MED/3.12b</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <p>— flame arresters</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15.</p>	<p>— IMO MSC/Circ.677, as amended,</p> <p>— EN ISO 16852:2016.</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/3.12c</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <p>— detonation flame arresters</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15.</p>	<p>— IMO MSC/Circ.677, as amended,</p> <p>— EN ISO 16852:2016.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	
<p>MED/3.12d</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <p>— high velocity vent valves</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15.</p>	<p>— IMO MSC/Circ.677, as amended,</p> <p>— EN ISO 16852:2016,</p> <p>— ISO 15364:2016.</p>	<p>B+F</p>	<p>19.6.2018</p>	<p>25.8.2024</p> <p>(iii)</p>
<p>MED/3.12d</p> <p>Devices to prevent the passage of flame into the cargo tanks in tankers:</p> <p>— high velocity vent valves</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. II-2/16.</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15.</p>	<p>— IMO MSC/Circ.677, as amended,</p> <p>— EN ISO 16852:2016,</p> <p>— ISO 15364:2021.</p>	<p>B+F</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
MED/3.13 Non-combustible materials Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. II-2/3, — SOLAS 74 Reg. II-2/5, — SOLAS 74 Reg. II-2/9, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7.	— IMO Res. MSC.307(88)-(2010 FTP Code), 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.					
MED/3.15a Materials other than steel for pipes conveying oil or fuel oil: — plastic pipes and fittings Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/4, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.36(63)-(1994 HSC Code) 10, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 10, — IMO MSC/Circ.1120.	— IMO Res. A.753(18), as amended,  — IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D  B+E  B+F		



1	2	3	4	5	6
<p>MED/3.15b</p> <p>Materials other than steel for pipes conveying oil or fuel oil:</p> <p>— valves</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 10,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 10,</p> <p>— IMO MSC/Circ.1120.</p>	<p>— EN ISO 10497:2010.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.15c</p> <p>Materials other than steel for pipes conveying oil or fuel oil:</p> <p>— flexible pipe assemblies and compensators</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 10,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p>	<p>— ISO 15540:2016,</p> <p>— ISO 15541:2016.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 10,</li> <li>— IMO MSC/Circ.1120.</li> </ul>				
<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> <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>	<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>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 according to 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> <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>	<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>		

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>	<p>— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.18a</p> <p>Surface materials and floor coverings with low flame-spread characteristics:</p> <ul style="list-style-type: none"> <li>— decorative veneers</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-2/6,</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>		
<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> <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.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
	<ul style="list-style-type: none"> <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>MED/3.18d</p> <p>Surface materials and floor coverings with low flame-spread characteristics:</p> <ul style="list-style-type: none"> <li>— pipe insulation covers</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. 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>— 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>	<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>MED/3.18e</p> <p>Surface materials and floor coverings with low flame-spread characteristics:</p> <ul style="list-style-type: none"> <li>— adhesives used in the construction of 'A', 'B' &amp; 'C' class divisions</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> </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
	<ul style="list-style-type: none"> <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> <li>— IMO MSC/Circ.1120.</li> </ul>				
<p>MED/3.18f</p> <p>Surface materials and floor coverings with low flame-spread characteristics:</p> <ul style="list-style-type: none"> <li>— combustible ducts membrane</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> <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> <li>— IMO MSC/Circ.1120.</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>MED/3.19</p> <p>Draperies, curtains and other suspended textile materials and films</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> </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</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
Row 1 of 1	<p>— SOLAS 74 Reg. X/3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/3,</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>MED/3.20</p> <p>— Upholstered furniture</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> <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 Res. MSC.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>12.8.2023</p> <p>(i)</p>
<p>MED/3.20a</p> <p>Upholstered furniture:</p> <p>— complete piece of furniture (including cover material, filling material and non- combustible rack)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/3,</p> <p>— SOLAS 74 Reg. II-2/5,</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>	<p>12.8.2020</p>	

1	2	3	4	5	6
Row 1 of 1	<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/9,</li> <li>— SOLAS 74 Reg. X/3.</li> </ul> <hr/> Carriage and performance requirements <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>				
MED/3.20b  Upholstered furniture: — cover material for any filling material  Row 1 of 1	Type approval requirements <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/> Carriage and performance requirements <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>	B+D  B+E  B+F	12.8.2020	



1	2	3	4	5	6
<p>MED/3.20c</p> <p>Upholstered furniture:</p> <p>— cover material for flame-retardant filling material (tested in specific combination as intended for further application)</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 Res. MSC.307(88)-(2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>MED/3.20d</p> <p>Upholstered furniture:</p> <p>— flame-retardant filling material</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.307(88)-(2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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/3.21</p> <p>Bedding components</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-2/3,</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-2/9,</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>MED/3.22</p> <p>Fire dampers</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> </ul> <hr/> <p>Carriage and performance 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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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

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

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		
MED/3.26a Penetrations through 'A' class divisions: — electric cable transits Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9.  Carriage and performance requirements — SOLAS 74 Reg. II-2/9.	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended,  — IMO MSC.1/Circ. 1488.	B+D  B+E  B+F		
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 MSC.1/Circ. 1276.	— IMO Res .MSC.307(88)-(2010 FTP Code), as amended,  — IMO MSC.1/Circ. 1488.	B+D  B+E  B+F		
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.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.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
MED/3.27b Penetrations through 'B' class divisions: — pipe, duct, trunk, etc. penetrations Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/9. Carriage and performance requirements — SOLAS 74 Reg. II-2/9.	— IMO Res. MSC.307(88)-(2010 FTP Code), as amended.	B+D B+E B+F		
MED/3.28 Sprinkler systems (limited to sprinkler heads) (Nozzles for fixed sprinkler systems, for high-speed craft (HSC) are included under this item). Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 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)

1	2	3	4	5	6
<p>MED/3.28</p> <p>Sprinkler systems (limited to sprinkler heads)</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 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> <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>	
<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> <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>	<p>— EN 14540:2014.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<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 2</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> <hr/> <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 50104:2010,</p> <p>— EN 60079-29-1:2016,</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>12.8.2020</p>	<p>25.8.2024</p> <p>(ii)</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 2</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> <hr/> <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 50104:2019,</p> <p>— EN 60079-29-1:2016,</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>	

1	2	3	4	5	6
<p>MED/3.30b</p> <p>Portable oxygen analysis and/or gas detection equipment:</p> <p>— category 2: (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> <p>— SOLAS 74 Reg. XI-1/7.</p> <hr/> <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 50104:2010,</p> <p>— EN 60079-29-1:2016,</p> <p>— EN IEC 60079-0:2018,</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>12.8.2020</p>	<p>25.8.2024</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 2 of 4</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> <hr/> <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 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>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>15.8.2025</p> <p>(ii)</p>

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul>			
<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 4</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> <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. 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,</li> <li>— EN 60079-29-1:2016,</li> <li>— EN IEC 60079-0:2018, incl. AC:2020,</li> <li>— EN 60079-1:2014, incl.AC:2018-09,</li> <li>— EN 60079-10-1:2021,</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>	<p>15.8.2022</p>	<p>10.10.2026</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 4 of 4</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. VI/3,</li> <li>— SOLAS 74 Reg. XI-1/7.</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. VI/3,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2019,</li> <li>— EN IEC 60079-0:2018, incl. AC:2020,</li> <li>— EN 60079-1:2014, incl.AC:2018-09,</li> <li>— EN IEC 60079-10-1:2021,</li> <li>— EN 60079-11:2012,</li> <li>— EN IEC 60079-15:2019,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 60079-26:2015,</li> <li>— EN 60079-29-1:2016 incl. A1:2022 and 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>			

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.

<p>MED/3.32</p> <p>Fire restricting materials (except furniture) for high-speed craft</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <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) 7,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</li> <li>— IMO MSC.1/Circ.1457.</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>MED/3.33</p> <p>Fire restricting materials for furniture for high-speed craft</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <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) 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>		

1	2	3	4	5	6
<p>MED/3.34</p> <p>Fire resisting divisions for high-speed craft</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</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.1/Circ.1457.</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>		
<p>MED/3.35</p> <p>Fire doors on high-speed craft</p> <p>Row 1 of 1</p> <p>Note: Fire door control system components are subject to conformity assessment according to item MED 3.17.</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</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.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.36</p> <p>Fire dampers on high-speed craft</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</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.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/3.37a</p> <p>Penetrations through fire resisting divisions on high-speed craft:</p> <p>— electric cable transits</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</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.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.37b</p> <p>Penetrations through fire resisting divisions on high-speed craft:</p> <p>— pipe, duct, trunk etc. penetrations</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</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.307(88)-(2010 FTP Code), as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<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> <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/34,</p> <p>— IMO Res. A.951(23),</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.48(66)-(LSA Code) V,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8.</p>	<p>— EN 3-7:2004 incl. A1:2007,</p> <p>— EN 3-8:2006 incl. AC:2007,</p> <p>— EN 3-9:2006 incl. AC:2007,</p> <p>— EN 3-10:2009.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>25.8.2025</p> <p>(ii)</p>

1	2	3	4	5	6
<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> <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 3-8:2021,</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>	
<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> <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>— 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
	<ul style="list-style-type: none"> <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>				
<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 2</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 2</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>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>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> </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>		

1	2	3	4	5	6
Row 1 of 1	— IMO MSC/Circ.849.				
MED/3.41b Emergency escape breathing devices (EEBD): — self-contained open-circuit compressed air breathing apparatus with a hood for escape Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/13. Carriage and performance requirements — SOLAS 74 Reg. II-2/13, — IMO Res. MSC.98(73)-(FSS Code) 3, — IMO MSC/Circ.849.	— ISO 23269-1:2008, — EN 1146:2005.	B+D B+E B+F		
MED/3.41c Emergency escape breathing devices (EEBD): — self-contained closed-circuit compressed air breathing apparatus Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/13. Carriage and performance requirements — SOLAS 74 Reg. II-2/13, — IMO Res. MSC.98(73)-(FSS Code) 3, — IMO MSC/Circ.849.	— ISO 23269-1:2008, — EN 13794:2002.	B+D B+E B+F		
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.353, as amended.	G	12.8.2020	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.731,</li> <li>— IMO MSC/Circ.1120.</li> </ul>				
<p>MED/3.42a</p> <p>Inert gas systems:</p> <p>Whole system.</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> </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.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>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.353, as amended,</li> <li>— IMO Res.MSC.98(73)-(FSS Code) 15.</li> </ul>	G	12.8.2020	
<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> <hr/> <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>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.353, as amended.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		

1	2	3	4	5	6
<p>MED/3.42c</p> <p>Inert gas systems:</p> <p>— single components:</p> <p>— inert gas blowers</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-2/4.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/4,</p> <p>— IMO Res. A.567(14),</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 15,</p> <p>— IMO MSC/Circ.353,</p> <p>— IMO MSC/Circ.485,</p> <p>— IMO MSC/Circ.731,</p> <p>— IMO MSC/Circ.1120.</p>	<p>— IMO MSC/Circ.353, as amended.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		
<p>MED/3.43</p> <p>Nozzles for deep fat cooking equipment fire extinguishing systems (automatic or manual type)</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-2/1,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/1,</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO MSC.1/Circ.1433.</p>	<p>— ISO 15371:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>16.3.2017</p>	
<p>MED/3.44</p> <p>Fire-fighters outfit – lifeline</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3,</p>	<p>— IMO Res. MSC.98(73)-(FSS Code) 3, as amended,</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>	<p>13.9.2019</p>	



1	2	3	4	5	6
<p>— lifelines for breathing apparatus approved under item MED/3.7 and item MED/7.1</p> <p>Row 1 of 1</p>	<p>— IMO Res. MSC.98(73)-(FSS Code) 3.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 3.</p>	<p>— ISO 23269-2:2011.</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 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 5.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 5,</p> <p>— IMO MSC/Circ.848,</p> <p>— IMO MSC.1/Circ.1313.</p>	<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>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p>	<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>	

1	2	3	4	5	6
<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>— SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 5.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 5, — IMO Res. MSC.391(95)-(IGF Code) 11, — IMO MSC/Circ.848, — IMO MSC.1/Circ.1313.</p>				
<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> <p>— SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 5.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 5,</p>	<p>— IMO MSC/Circ.1270 incl. Corr.1, as amended.</p>	<p>B+D B+E B+F</p>		<p>15.8.2025 (iii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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> <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>	<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>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> <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> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.670.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>15.8.2025</p> <p>(iii)</p>

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 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>	
<p>MED/3.48</p> <p>Fixed water based local application fire-fighting systems components for use in category A machinery spaces</p> <p>(Nozzles and performance tests).</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-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</p>	<p>— IMO MSC.1/Circ.1387.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<p>MED/3.49a</p> <p>Fixed water-based fire-fighting systems for ro-ro spaces, vehicle spaces and special category spaces:</p> <p>— prescriptive-based systems as per IMO MSC.1/Circ.1430</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 7.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 7.</p>	<p>— IMO MSC.1/Circ.1430.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>1.1.2021</p> <p>(iii)</p>
<p>MED/3.49a</p> <p>Fixed water-based fire-fighting systems for ro-ro spaces, vehicle spaces and special category spaces:</p> <p>— prescriptive-based systems as per IMO MSC.1/Circ.1430, Revision 1</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 7.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p>	<p>— IMO MSC.1/Circ.1430, Revision 1.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>15.8.2025</p> <p>(iii)</p>

1	2	3	4	5	6
	<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) 7.</li> </ul>				
<p>MED/3.49a</p> <p>Fixed water-based fire-fighting systems for ro-ro spaces, vehicle spaces and special category spaces:</p> <ul style="list-style-type: none"> <li>— prescriptive-based systems as per IMO MSC.1/Circ.1430, Revision 2</li> </ul> <p>Row 3 of 3</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>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1430, Revision 2.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	
<p>MED/3.49b</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces:</p> <ul style="list-style-type: none"> <li>— performance-based systems as per IMO MSC.1/Circ. 1430</li> </ul> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/19,</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> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1430.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>1.1.2021</p> <p>(iii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>MED/3.49b</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces:</p> <ul style="list-style-type: none"> <li>— performance-based systems as per IMO MSC.1/Circ. 1430, Revision 1</li> </ul> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/19,</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>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1430, Revision 1.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>15.8.2025</p> <p>(iii)</p>
<p>MED/3.49b</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces:</p> <ul style="list-style-type: none"> <li>— performance-based systems as per IMO MSC.1/Circ. 1430, Revision 2</li> </ul>	<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> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1430, Revision 2.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
Row 3 of 3	<p>— IMO Res. MSC.98(73)-(FSS Code) 7.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 7.</p>				

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

<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> <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>Electrical installations in ships:</p> <p>— EN 54-2:1997 incl. AC:1999 and A1:2006.</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>	<p>15.8.2025</p> <p>(iii)</p>
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	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1487,</li> <li>— IMO MSC.1/Circ.1528.</li> </ul>				
<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> <ul style="list-style-type: none"> <li>— control and indicating 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 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.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>	<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>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> <ul style="list-style-type: none"> <li>— power supply equipment</li> </ul>	<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 54-4:1997 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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

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<p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</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> <li>— IMO MSC.1/Circ.1554.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60533:2015.</li> </ul>			
<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 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>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> </ul>	<ul style="list-style-type: none"> <li>— EN 54-5:2017.</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>19.6.2018</p>	<p>31.8.2022</p> <p>(iii)</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> <p>— heat 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 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res.MSC.98(73)-(FSS Code) 9.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 9, — IMO Res. MSC.391(95)-(IGF Code) 11, — IMO MSC.1/Circ.1242.</p>	<p>— EN 54-5:2017 incl. A1:2018.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016, — IEC 60533:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<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> <p>— smoke detectors: point detectors using scattered light, transmitted light or ionization</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, — SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 9.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 9, — IMO MSC.1/Circ.1242.</p>	<p>— EN 54-7:2000 incl. A1:2002 and A2:2006.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2001 incl. IEC 60092-504 Corr.1:2011, — IEC 60533:1999.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>31.8.2022</p> <p>(iii)</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> <p>— smoke detectors: point detectors using scattered light, transmitted light or ionization</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> <p>— SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 9.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 9, — IMO Res. MSC.391(95)-(IGF Code) 11, — IMO MSC.1/Circ.1242.</p>	<p>— EN 54-7:2018.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016, — IEC 60533:2015.</p>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	
<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, — SOLAS 74 Reg. X/3, — IMO Res. MSC.98(73)-(FSS Code) 9.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7, — IMO Res. MSC.98(73)-(FSS Code) 9,</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, — IEC 60533:2015.</p>	<p>B+D B+E B+F</p>	<p>19.6.2018</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.391(95)-(IGF Code) 11,</li> <li>— IMO MSC.1/Circ.1242.</li> </ul>				
<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>	
<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> <ul style="list-style-type: none"> <li>— short circuit isolators</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>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> </ul>	<ul style="list-style-type: none"> <li>— EN 54-17:2005 incl. AC:2007.</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
Row 1 of 1	<ul style="list-style-type: none"> <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>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> <ul style="list-style-type: none"> <li>— input/output devices</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 54-18:2005 incl. AC:2007.</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>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>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> </ul>	<ul style="list-style-type: none"> <li>— EN 60332-1-2:2004 incl. A1:2015,</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>19.6.2018</p>	<p>28.3.2021</p> <p>(iii)</p>

1	2	3	4	5	6
<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>— IMO Res. MSC.98(73)-(FSS Code) 9.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC 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 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 60331-1:2009 or IEC 60331-2:2009.</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> <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 2 of 3</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>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 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>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>— IEC 60332-1-2:2004 incl. A1:2015.</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>

1	2	3	4	5	6
		<p>And/or:</p> <p>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>			
<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 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. 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> </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> <li>— IEC 60332-1-2:2004 incl. A1:2015.</li> </ul> <p>And/or:</p> <p>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>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	



1	2	3	4	5	6
		And, as applicable, electrical and electronic installations in ships: — IEC 60092-504:2016, — IEC 60533:2015, — IEC 60332-1-2:2004 incl. A1:2015.			
MED/3.52  Non-portable and transportable fire extinguishers  Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. II-2/4, — SOLAS 74 Reg. II-2/10, — IMO Res. MSC.36(63)-(1994 HSC Code) 7, — IMO Res. MSC.97(73)-(2000 HSC Code) 7.	— EN 1866-1:2007, — EN 1866-2:2014. Or: — EN 1866-1:2007, — EN 1866-3:2013. Or: — ISO 11601:2017.	B+D  B+E  B+F	13.9.2019	
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.  Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IMO Res. MSC.36(63)-(1994 HSC Code) 7,	— EN 54-3:2014, — IEC 60092-504:2016, — IEC 60533:2015.	B+D  B+E  B+F	16.3.2017	12.8.2023  (iii)

1	2	3	4	5	6
	<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) 9.</li> <li>— IMO MSC.1/Circ.1242,</li> <li>— IMO MSC.1/Circ.1487.</li> </ul>				
<p>MED/3.53</p> <p>Fire alarm devices – sounders</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> <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 MSC.1/Circ.1242,</li> <li>— IMO MSC.1/Circ.1487.</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</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>MED/3.54a</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <ul style="list-style-type: none"> <li>— category 4: (safe area)</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. VI/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2010,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370.</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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— SOLAS 74 Reg. VI/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> </ul> for combined O <sub>2</sub> /HC systems additionally: <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370.</li> </ul>				
MED/3.54a  Fixed oxygen analysis and/or gas detection equipment:  — category 4: (safe area)  Row 2 of 2	Type approval requirements <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3.</li> </ul> Carriage and performance requirements <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> <li>— for combined O<sub>2</sub>/HC systems additionally:</li> <li>— IMO MSC.1/Circ.1370.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2019,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> For combined O <sub>2</sub> /HC systems, additionally: <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370.</li> </ul>	B+D  B+E  B+F	25.8.2021	
MED/3.54b  Fixed oxygen analysis and/or gas detection equipment:  — category 3: (explosive gas atmospheres)  Row 1 of 3	Type approval requirements <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3.</li> </ul> Carriage and performance requirements <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— SOLAS 74 Reg. VI/3,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2010,</li> <li>— EN 60079-0:2012 incl. A11:2013,</li> <li>— EN 60079-29-1:2016,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> For combined O <sub>2</sub> /HC systems, additionally: <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370.</li> </ul>	B+D  B+E  B+F	19.6.2018	12.8.2023  (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— for combined O<sub>2</sub>/HC systems additionally:</li> <li>— IMO MSC.1/Circ.1370.</li> </ul>				
<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 3</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> </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>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> <li>— for combined O<sub>2</sub>/HC systems additionally:</li> <li>— IMO MSC.1/Circ.1370.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2010,</li> <li>— EN IEC 60079-0:2018,</li> <li>— EN 60079-29-1:2016,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370.</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/3.54b</p> <p>Fixed oxygen analysis and/or gas detection equipment:</p> <p>— category 3: (explosive gas atmospheres)</p> <p>Row 3 of 3</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> </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>— IMO Res. MSC.98(73)-(FSS Code) 15,</li> <li>— for combined O<sub>2</sub>/HC systems additionally:</li> <li>— IMO MSC.1/Circ.1370.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 50104:2019,</li> <li>— EN IEC 60079-0:2018 incl. AC:2020,</li> <li>— EN 60079-29-1:2016,</li> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>For combined O<sub>2</sub>/HC systems, additionally:</p> <ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370.</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/3.55a</p> <p>Dual purpose type nozzles (spray/jet type):</p> <p>— Hand-held branch pipes for fire service use - Combination branch pipes PN 16</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</p>	<p>— EN 15182-1:2007 incl. A1:2009,</p> <p>— EN 15182-2:2007 incl. A1:2009.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>12.8.2023</p> <p>(iii)</p>
<p>MED/3.55a</p> <p>Dual purpose type nozzles (spray/jet type):</p> <p>— Hand-held branch pipes for fire service use - Combination branch pipes PN 16</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</p>	<p>— EN 15182-1:2019,</p> <p>— EN 15182-2:2019.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>MED/3.55b</p> <p>Dual purpose type nozzles (spray/jet type):</p> <p>— Hand-held branch pipes for fire service use - Smooth bore jet and/or one fixed spray jet angle branch pipes PN 16</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</p>	<p>— EN 15182-1:2007 incl. A1:2009,</p> <p>— EN 15182-3:2007 incl. A1:2009.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>12.8.2023</p> <p>(iii)</p>

1	2	3	4	5	6
<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 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> </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> </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>MED/3.56</p> <p>Fixed firefighting hose systems:</p> <ul style="list-style-type: none"> <li>— hose reels with semi-rigid hose</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> <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 671-1:2012.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.57</p> <p>Medium Expansion Foam Fire Extinguishing Systems components - Fixed Deck Foam for Tankers</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> </ul> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/10.8.1,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 14,</li> <li>— IMO MSC/Circ.1239,</li> <li>— IMO MSC.1/Circ.1276.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.798.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<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 1 of 1</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.98(73)-(FSS Code) 14,</p> <p>— IMO MSC/Circ.1239,</p> <p>— IMO MSC.1/Circ.1276.</p>	<p>— IMO MSC.1/Circ.1312,</p> <p>— IMO MSC.1/Circ.1312/Corr.1.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<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> <p>— SOLAS 74 Reg. II-2/1,</p> <p>— IMO Res. MSC.4(48)-(IBC Code) 11.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. MSC.4(48)-(IBC Code) 11,</p> <p>— IMO MSC/Circ.553.</p>	<p>— IMO MSC.1/Circ.1312,</p> <p>— IMO MSC.1/Circ.1312/Corr.1.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.60</p> <p>Nozzles for fixed pressure water-spraying fire-extinguishing systems for cabin balconies</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 7.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p>	<p>— IMO MSC.1/Circ.1268.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.98(73)-(FSS Code) 7,</li> <li>— IMO MSC.1/Circ.1313.</li> </ul>				
<p>MED/3.61a</p> <p>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</p> <p>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.</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> </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 MSC.1/Circ.1528.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1384.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.61b</p> <p>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</p> <p>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.</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> </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 MSC.1/Circ.1528.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1384.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		



1	2	3	4	5	6
MED/3.62 Dry chemical powder extinguishing systems Row 1 of 1	Type approval requirements — SOLAS 74 Reg. II-2/1.  Carriage and performance requirements — SOLAS 74 Reg. II-2/1. — IMO Res. MSC.5(48)-(IGC Code) 11, — IMO Res. MSC.391(95)-(IGF Code) 11, — IMO MSC.1/Circ. 1617.	— IMO MSC.1/Circ.1315.	B+D  B+E  B+F		
MED/3.63a Sample extraction smoke detection systems components: — control and indicating equipment. Electrical installations in ships  Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 3	Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. II-2/19, — SOLAS 74 Reg. II-2/20.  Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. II-2/19, — SOLAS 74 Reg. II-2/20, — IMO Res. MSC.98(73)-(FSS Code) 10.	— IMO Res. MSC.98(73)-(FSS Code) 10,  — EN 54-2:1997 incl. AC:1999 and A1:2006.  And, as applicable, electrical and electronic installations in ships:  — IEC 60092-504:2016, — IEC 60533:2015.  And, as applicable for explosive atmospheres:  — EN 60079-0:2012 incl. A11:2013.	B+D  B+E  B+F	19.6.2018	12.8.2023  (iii)
MED/3.63a Sample extraction smoke detection systems components: — control and indicating equipment. Electrical installations in ships  Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.	Type approval requirements — SOLAS 74 Reg. II-2/7, — SOLAS 74 Reg. II-2/19, — SOLAS 74 Reg. II-2/20.  Carriage and performance requirements — SOLAS 74 Reg. II-2/7, — IEC 60092-504:2016, — IEC 60533:2015.	— IMO Res. MSC.98(73)-(FSS Code) 10,  — EN 54-2:1997 incl. AC:1999 and A1:2006.  And, as applicable, electrical and electronic installations in ships:	B+D  B+E  B+F	12.8.2020	25.8.2024  (iii)

1	2	3	4	5	6
Row 2 of 3	<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.98(73)-(FSS Code) 10.</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>MED/3.63a</p> <p>Sample extraction smoke detection systems components:</p> <ul style="list-style-type: none"> <li>— control and indicating equipment.</li> <li>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 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 54-2:1997 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 incl. AC:2020.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	25.8.2021	
<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> <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 60079-0:2012 incl. A11:2013.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	19.6.2018	12.8.2023 (iii)

1	2	3	4	5	6
<p>MED/3.63b</p> <p>Sample extraction smoke detection systems components:</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 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 10.</p>	<p>— IMO Res. MSC.98(73)-(FSS Code) 10,</p> <p>— EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>And, as applicable for explosive atmospheres:</p> <p>— EN IEC 60079-0:2018.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	12.8.2020	25.8.2024  (iii)
<p>MED/3.63b</p> <p>Sample extraction smoke detection systems components:</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 3 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 10.</p>	<p>— IMO Res. MSC.98(73)-(FSS Code) 10.</p> <p>— EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006.</p> <p>And, as applicable, electrical and electronic installations in ships:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>And, as applicable for explosive atmospheres:</p> <p>— EN IEC 60079-0:2018 incl. AC:2020.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	25.8.2021	
<p>MED/3.63c</p> <p>Sample extraction smoke detection systems components:</p> <p>— aspiring smoke detectors</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/7,</p> <p>— SOLAS 74 Reg. II-2/19,</p> <p>— SOLAS 74 Reg. II-2/20.</p>	<p>— IMO Res. MSC.98(73)-(FSS Code) 10,</p> <p>— EN 54-20:2006 incl. AC:2008.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	19.6.2018	12.8.2023  (iii)

1	2	3	4	5	6
<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>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>	<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>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 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> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/7,</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>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
	<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.98(73)-(FSS Code) 10.</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>			
MED/3.64 C class divisions Row 1 of 1	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/3.10.</li> </ul> <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>	<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>		
MED/3.65 Fixed hydrocarbon gas detection system Row 1 of 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4.</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.98(73)-(FSS Code) 16,</li> <li>— IMO MSC.1/Circ.1370,</li> <li>— IMO MSC.1/Circ.1527.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370,</li> <li>— EN 60079-0:2012 incl. A11:2013,</li> <li>— EN 60079-29-1:2016,</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>	19.6.2018	12.8.2023 (iii)
MED/3.65 Fixed hydrocarbon gas detection system Row 2 of 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4.</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.98(73)-(FSS Code) 16,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370,</li> <li>— EN IEC 60079-0:2018,</li> <li>— EN 60079-29-1:2016,</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 (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370,</li> <li>— IMO MSC.1/Circ.1527.</li> </ul>				
MED/3.65 Fixed hydrocarbon gas detection system Row 3 of 3	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/4,</li> <li>— IMO Res. MSC.98(73)-(FSS Code) 16,</li> <li>— IMO MSC.1/Circ.1370,</li> <li>— IMO MSC.1/Circ.1527.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1370,</li> <li>— EN IEC 60079-0:2018 incl. AC:2020,</li> <li>— EN 60079-29-1:2016,</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>	25.8.2021	
MED/3.66 Evacuation guidance systems used as an alternative to low-location lighting systems Row 1 of 1	<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 MSC.1/Circ.1168.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC.1/Circ.1168.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
MED/3.67 Helicopter facility foam fire-fighting appliances Row 1 of 2	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/18.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. II-2/18,</li> <li>— IMO MSC.1/Circ.1431.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 13565-1:2003 incl. A1:2007.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	16.3.2017	12.8.2023 (ii)

1	2	3	4	5	6
<p>MED/3.67</p> <p>Helicopter facility foam fire-fighting appliances</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/18.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/18,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 17.</p>	<p>— EN 13565-1:2019.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>MED/3.68</p> <p>Galley exhaust duct fixed fire extinguishing systems components</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-2/9.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/9.</p>	<p>— ISO 15371:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>16.3.2017</p>	
<p>MED/3.69</p> <p>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</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>— SOLAS 74 Reg.II-2/19,</p> <p>— IMO MSC.1/Circ.1472,</p> <p>— IMO MSC.1/Circ.1550.</p>	<p>— IMO MSC.1/Circ.1472.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
<p>MED/3.69</p> <p>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</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>— SOLAS 74 Reg.II-2/19,</p> <p>— IMO Res. MSC.98(73)-(FSS Code) 12,</p> <p>— IMO MSC.1/Circ.1472,</p> <p>— IMO MSC.1/Circ.1550.</p>	<p>— IMO MSC.1/Circ.1472.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.70</p> <p>Fire-fighting hoses:</p> <p>— semi-rigid hoses for fixed systems</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</p>	<p>— EN 694:2014.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>MED/3.71</p> <p>Fixed firefighting hose systems</p> <p>— hose systems with lay-flat hose</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. II-2/10,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 7,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 7.</p>	<p>— EN 671-2:2012.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>16.3.2017</p>	



## 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
1	2	3	4	5	6
<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 2</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 25862:2009,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</p> <p>Or:</p> <p>— ISO 1069:1973,</p> <p>— ISO 25862:2009,</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>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>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>IEC 61162-1:2016</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(i)</p>

1	2	3	4	5	6
		<p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>End of Note on IMO Res. MSC.302(87)</p>			
<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 2 of 2</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>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62923-1:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
		<p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>End of Note on IMO Res. MSC.302(87)</p>			
<p>MED/4.2</p> <p>Transmitting heading device THD (magnetic method)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p>	<p>— ISO 22090-2:2014,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN 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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>	<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: 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>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> <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> </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: 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>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>	<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: 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/4.3 Gyro compass Row 1 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18.</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.424(XI),</li> <li>— IMO Res. A.694(17),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 8728:2014,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 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>B+D B+E B+F G</p>	<p>13.9.2019</p>	

1	2	3	4	5	6
		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.			
MED/4.3 Gyro compass Moved to MED/4.65 Row 2 of 2	Type approval requirements For new certificates refer to item MED/4.65. 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	
MED/4.4, Radar equipment – item moved to MED/4.34, MED/4.35 and MED/4.36.					
MED/4.5, Automatic radar plotting aid (ARPA) – item moved to MED/4.34.					
MED/4.6 Echo-sounding equipment Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 13,	— EN ISO 9875:2001 incl. ISO Technical Corr. 1:2006, — EN 60945:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 Code) 13. HSC</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.224(VII),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 Code) 13, HSC</p> <p>— IMO Res. MSC.97(73)-(2000 Code) 13, HSC</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.74(69) Annex 4,</p> <p>— IMO Res. MSC.302(87).</p>	<p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— ISO 9875:2000 incl. ISO Technical Corr. 1:2006,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			

1	2	3	4	5	6
<p>MED/4.6</p> <p>Echo-sounding equipment</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.224(VII),</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.191(79),</p> <p>— IMO Res. MSC.74(69) Annex 4,</p> <p>— IMO Res. MSC.302(87).</p>	<p>— EN ISO 9875:2001 incl. ISO Technical Corr. 1:2006,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</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>— ISO 9875:2000 incl. ISO Technical Corr. 1:2006,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 3.0:2021,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	



1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<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> <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. 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</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>

1	2	3	4	5	6
		<p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</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> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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. A.824(19),</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.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61023:2007,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</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 61023:2007,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		— 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.			

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

MED/4.9 Rate-of-turn indicator Row 1 of 3	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.526(13), — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 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, — ISO 20672:2007 incl. Corr. 1:2008, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.	B+D B+E B+F G	13.9.2019	1.7.2025 (i)
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1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— ISO 20672:2007 incl Corr 1:2008,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.9</p> <p>Rate-of-turn indicator</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res.A.526(13),</p> <p>— IMO Res. A.694(17),</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(i)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 Code) 13, HSC</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 13, HSC</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> </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. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.9</p> <p>Rate-of-turn indicator</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. V/18,</li> <li>— SOLAS 74 Reg. X/3,</li> <li>— IMO Res. MSC.36(63)-(1994 Code) 13, HSC</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</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res.A.526(13),</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.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN IEC 61162-450:2018,</p> <p>— ISO 20672:2022,</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— ISO 20672:2022,</p> <p>— IEC 62288 Ed. 3.0:2021,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			

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

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

1	2	3	4	5	6
Item MED/4.12, Chayka equipment, – Item deliberately left blank.					
Item MED/4.13, Decca navigator equipment, - Item deliberately left blank.					
MED/4.14 GPS equipment Row 1 of 2	<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> </ul>	B+D B+E B+F G	13.9.2019	1.7.2025  (i)

1	2	3	4	5	6
		<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>			
MED/4.14 GPS 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	
MED/4.15 GLONASS 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.113(73), — IMO Res. MSC.191(79), — IMO Res. MSC.302(87).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61108-2:1998, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61108-2 Ed. 1.0:1998,	B+D B+E B+F G	13.9.2019	1.7.2025 (i)



1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 61162 series:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li 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</li> <li style="padding-left: 20px;">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>MED/4.15</p> <p>GLONASS 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>	
<p>MED/4.16</p> <p>Heading control system (HCS)</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/18.</li> </ul> <hr/> <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> </ul>	<ul style="list-style-type: none"> <li>— ISO 11674:2006,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:</li> <li style="padding-left: 20px;">EN 61162-1:2016</li> <li style="padding-left: 20px;">EN 61162-2:1998</li> <li style="padding-left: 20px;">EN 61162-3:2008 +A1:2010+A2:2014</li> <li style="padding-left: 20px;">EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>27.11.2022</p> <p>(i)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.302(87).</p>	<p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— ISO 11674:2006,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.16</p> <p>Heading control system (HCS)</p> <p>Row 2 of 3</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/18,</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.342(IX),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.64(67) Annex 3,</p>	<p>— ISO 11674:2019,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>12.8.2020</p>	<p>1.7.2025</p> <p>(i)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.302(87).</p>	<p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— ISO 11674:2019,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.16</p> <p>Heading control system (HCS)</p> <p>Row 3 of 3</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/18,</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.342(IX),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.64(67) Annex 3,</p>	<p>— ISO 11674:2019,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	— IMO Res. MSC.302(87).	— EN IEC 62923-2:2018. Or: — ISO 11674:2019, — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.			

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

MED/4.18 Search and rescue locating devices (SRLD): — 9 GHz SAR transponder (SART) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. III/4, — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 13,	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61097-1:2007. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-1: 2007.	B+D B+E B+F G		10.10.2026 (ii)
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1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/6,</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. III/26,</p> <p>— IMO Res. A.530(13),</p> <p>— IMO Res. A.802(19),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— ITU-R M.628-5 (03/2012).</p>				
<p>MED/4.18</p> <p>Search and rescue locating devices (SRLD):</p> <p>— 9 GHz SAR transponder (SART)</p> <p>Row 2 of 2</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. III/4,</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61097-1:2007.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61097-1: 2007.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/6,</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. III/26,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.510(105),</p> <p>— ITU-R M.628-5 (03/2012).</p>				

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

<p>MED/4.20</p> <p>Rudder angle indicator</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</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>
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1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 20673:2007.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018,</p> <p>— ISO 20673:2007.</p>			
<p>MED/4.20</p> <p>Rudder angle indicator</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(i)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 20673:2007.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>— ISO 20673:2007.</p>			
<p>MED/4.20</p> <p>Rudder angle indicator</p> <p>Row 3 of 3</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 20673:2022.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>— ISO 20673:2022.</p>			
<p>MED/4.21</p> <p>Propeller revolution indicator</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</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>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 22554:2015.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018,</p> <p>— ISO 22554:2015.</p>			
<p>MED/4.21</p> <p>Propeller revolution indicator</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 22554:2015.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>— ISO 22554:2015.</p>			
<p>MED/4.22</p> <p>Pitch indicator</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</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>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 22555:2007.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018,</p> <p>— ISO 22555:2007.</p>			
<p>MED/4.22</p> <p>Pitch indicator</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(i)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 22555:2007.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>— ISO 22555:2007.</p>			
<p>MED/4.22</p> <p>Pitch indicator</p> <p>Row 3 of 3</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 22555:2022.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>— ISO 22555:2022.</p>			
<p>MED/4.23</p> <p>Magnetic compass:</p> <p>— class B for lifeboats and rescue boats</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>	<p>— ISO 1069:1973,</p> <p>— ISO 25862:2009,</p> <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>		<p>12.8.2023</p> <p>(ii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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/34,</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.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>				
<p>MED/4.23</p> <p>Magnetic compass:</p> <p>— class B 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> <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/34,</li> <li>— IMO Res. MSC.48(66)-(LSA Code) IV,</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 1069:1973,</li> <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>	<p>12.8.2020</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.48(66)-(LSA Code) V,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</li> <li>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</li> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</li> </ul>				

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.

<p>MED/4.29</p> <p>Voyage data recorder (VDR)</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/20,</li> <li>— IMO Res. A.694(17),</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> </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>
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1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 IEC 62923-2:2018.</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 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> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.29</p> <p>Voyage data recorder (VDR)</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/20,</li> <li>— IMO Res. A.694(17),</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+A1:2021</li> <li>— EN IEC 62288:2022,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 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+A1:2021,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.30</p> <p>Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)</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/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> <hr/> <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>— 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 61174:2015,</li> <li>— EN 62288:2014,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2018</p>	<p>1.1.2024</p> <p>(i)</p>

1	2	3	4	5	6
	<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.232(82),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1503. Rev.1.</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 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 61174 Ed. 4.0: 2015,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.30</p> <p>Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)</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/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> <hr/> <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>— 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 61174:2015,</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> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<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.232(82),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1503. Rev.1.</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 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>			

1	2	3	4	5	6
<p>MED/4.31</p> <p>Gyro compass for high-speed craft</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.821(19),</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.191(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC.1/Circ.1349.</p>	<p>— ISO 16328:2014,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— ISO 16328:2014,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</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>13.9.2018</p>	<p>1.7.2025</p> <p>(i)</p>

1	2	3	4	5	6
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	
MED/4.32 Universal automatic identification system equipment (AIS) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13, — IMO Res. MSC.74(69), — IMO Res. MSC.191(79), — IMO Res. MSC.302(87), — ITU-RM-1371-5 (02-2014) Note: ITU-RM 1371-5 (02-2014) shall only be applicable in accordance with requirements of IMO Res.MSC.74(69).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN IEC 61993-2:2018, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 61993-2:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/4.32  Universal automatic identification system equipment (AIS)  Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13.  Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13, — IMO Res. MSC.74(69), — IMO Res. MSC.191(79), — IMO Res. MSC.302(87), — ITU-RM-1371-5 (02-2014) Note: ITU-RM 1371-5 (02-2014) shall only be applicable in accordance with requirements of IMO Res.MSC.74(69).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN IEC 61993-2:2018, — EN 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	B+D  B+E  B+F  G	15.8.2022	

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 61993-2:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/4.33 Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots) Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.74(69), — IMO Res. MSC.191(79), — IMO Res. MSC.302(87).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62065:2014, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	B+D B+E B+F G	13.9.2019	1.7.2025 (i)



1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 62065 Ed. 2.0:2014-02, — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/4.33  Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)  Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/18.  Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.74(69), — IMO Res. MSC.191(79), — IMO Res. MSC.302(87).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62065:2014, — EN 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	B+D  B+E  B+F  G	15.8.2022	

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 62065 Ed. 2.0:2014-02, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/4.34 Radar equipment CAT 1 Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.278(VIII), — IMO Res. A.694(17), — IMO Res. MSC.191(79), — IMO Res .MSC.192(79), — IMO Res. MSC.302(87), — ITU-R M.1177-4 (04/11).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2014, — EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	B+D B+E B+F G	13.9.2019	1.1.2024 (i)

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62388 Ed. 2.0: 2013-06, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/4.34 Radar equipment CAT 1 Moved to MED/4.64 Row 2 of 2	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	25.8.2021	
MED/4.35 Radar equipment CAT 2 Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.278(VIII), — IMO Res. A.694(17), — IMO Res. MSC.191(79), — IMO Res. MSC.192(79), — IMO Res. MSC.302(87), — ITU-R M.1177-4 (04/11).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62388:2013, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,	B+D B+E B+F G	13.9.2018	1.1.2024 (i)

1	2	3	4	5	6
		<p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62388 Ed. 2.0: 2013-06,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.35</p> <p>Radar equipment CAT 2</p> <p>Moved to MED/4.64.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.64.</p> <hr/> <p>Carriage and performance 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>MED/4.36</p> <p>Radar equipment CAT 3</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.278(VIII),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.192(79),</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.1.2024</p> <p>(i)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.302(87),</li> <li>— ITU-R M.1177-4 (04/11).</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>— 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 62388 Ed. 2.0: 2013-06,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.36</p> <p>Radar equipment CAT 3</p> <p>Moved to MED/4.64.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.64.</p> <hr/> <p>Carriage and performance 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>MED/4.37</p> <p>Radar equipment for high-speed craft applications (CAT 1H and CAT 2H)</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> </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> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>1.1.2024</p> <p>(i)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage and performance requirements</p> <p>— IMO Res. A.278(VIII),</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.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC.1/Circ.1349,</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0: 2013-06,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.37</p> <p>Radar equipment for high-speed craft applications (CAT 1H and CAT 2H)</p> <p>Moved to MED/4.64.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.64.</p> <p>Carriage and performance 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>	

1	2	3	4	5	6
<p>MED/4.38a</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 1C</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. A.278(VIII),</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.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</p> <p>IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— 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,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0: 2013-06,</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>12.8.2023</p> <p>(i)</p>

1	2	3	4	5	6
<p>MED/4.38a</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 1C</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. A.278(VIII),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0: 2013-06,</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>12.8.2020</p>	<p>1.1.2024</p> <p>(i)</p>



1	2	3	4	5	6
<p>MED/4.38a</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 1C</p> <p>Note: New certification shall be carried out according to MED/4.64 CAT 1.</p> <p>Row 3 of 3</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.64.</p> <hr/> <p>Carriage and performance 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>MED/4.38b</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 2C</p> <p>Row 1 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. A.278(VIII),</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.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>Or:</p> <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>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(i)</p>

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 61162 series:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li 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</li> <li style="padding-left: 20px;">IEC 61162-450:2018,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62388 Ed. 2.0: 2013-06,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.38b</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 2C</p> <p>Row 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. A.278(VIII),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</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 62288:2014,</p> <p>— EN 62388:2013,</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>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>12.8.2020</p>	<p>1.1.2024</p> <p>(i)</p>

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 61162 series:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li 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</li> <li style="padding-left: 20px;">IEC 61162-450:2018,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62388 Ed. 2.0: 2013-06,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.38b</p> <p>Radar equipment approved with a chart option, namely:</p> <ul style="list-style-type: none"> <li>— CAT 2C</li> </ul> <p>Note: New certification shall be carried out according to MED/4.64 CAT 2.</p> <p>Row 3 of 3</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.64.</p> <hr/> <p>Carriage and performance 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>MED/4.38c</p> <p>Radar equipment for high speed craft applications approved with a chart option, namely:</p> <ul style="list-style-type: none"> <li>— CAT 1HC</li> </ul> <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> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— IMO Res. A.278(VIII),</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:</li> <li style="padding-left: 20px;">EN 61162-1:2016</li> <li style="padding-left: 20px;">EN 61162-2:1998</li> <li style="padding-left: 20px;">EN 61162-3:2008 +A1:2010+A2:2014</li> <li style="padding-left: 20px;">EN 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>1.1.2024</p> <p>(i)</p>

1	2	3	4	5	6
	<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.192(79),</li> <li>— ITU-R M.1177-4 (04/11),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1349.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 62288:2014,</li> <li>— EN 62388:2013,</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: 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 62388 Ed. 2.0: 2013-06,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.38c</p> <p>Radar equipment approved with a chart option, namely:</p> <ul style="list-style-type: none"> <li>— CAT 1HC</li> </ul> <p>Note: New certification shall be carried out according to MED/4.64 CAT 1H.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>Refer to item MED/4.64.</p> <hr/> <p>Carriage and performance 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>	

1	2	3	4	5	6
<p>MED/4.38d</p> <p>Radar equipment for high speed craft applications approved with a chart option, namely:</p> <p>— CAT 2HC</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. A.278(VIII),</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.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC.1/Circ.1349,</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</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: 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. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0: 2013-06,</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>1.1.2024</p> <p>(i)</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 according to MED/4.64 CAT 2H.</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>For new certificates refer to item MED/4.64.</p> <hr/> <p>Carriage and performance 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>MED/4.39</p> <p>Radar reflector - passive type</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> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</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.164(78).</p>	<p>— ISO 8729-1:2010,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008.</p> <p>Or:</p> <p>— ISO 8729-1:2010,</p> <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>		
<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> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— ISO 16329:2003,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</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>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage and performance requirements</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.822(19),</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.191(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC.1/Circ.1349.</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— ISO 16329:2003,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</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> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— ISO 16329:2003,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage and performance requirements</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.822(19),</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.191(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC.1/Circ.1349.</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</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>— ISO 16329:2003,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>MED/4.41</p> <p>Transmitting heading device THD (GNSS method)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— ISO 22090-3:2014,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</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>



1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.116(73),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-2:1998,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— ISO 22090-3:2014,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>And as applicable:</p> <p>— EN 61162 series:</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>IEC 61162-450:2018.</p> <p>Or:</p> <p>— IEC 61162 series:</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018.</p>			

1	2	3	4	5	6
MED/4.41  Transmitting heading device THD (GNSS method)  Row 2 of 2	Type approval requirements  — SOLAS 74 Reg. V/18,  — SOLAS 74 Reg. X/3,  — IMO Res. MSC.36(63)-(1994 HSC Code) 13,  — IMO Res. MSC.97(73)-(2000 HSC Code) 13.	— ISO 22090-3:2014,  — EN 60945:2002 incl. IEC 60945 Corr. 1:2008,  — EN 61162 series:  EN 61162-1:2016  EN 61162-2:1998,  — EN IEC 62288:2022,	B+D  B+E  B+F  G	15.8.2022	
	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 IEC 62923-1:2018,  — EN IEC 62923-2:2018.  Or:  — ISO 22090-3:2014,  — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,  — IEC 61162 series:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09,  — IEC 62288 Ed. 3.0:2021,  — IEC 62923-1:2018,  — IEC 62923-2:2018.  And as applicable:  — EN 61162 series:  EN 61162-3:2008 +A1:2010+A2:2014  IEC 61162-450:2018.			

1	2	3	4	5	6
		Or: — IEC 61162 series:  IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07  IEC 61162-450:2018.			
MED/4.42  Searchlight for high-speed craft  Row 1 of 1	Type approval requirements — SOLAS 74 Reg. X/3,  — IMO Res. MSC.36(63)-(1994 HSC Code) 13,  — IMO Res. MSC.97(73)-(2000 HSC Code) 13.  Carriage and performance requirements — IMO Res. A.694(17),  — IMO Res. MSC.36(63)-(1994 HSC Code) 13,  — IMO Res. MSC.97(73)-(2000 HSC Code) 13.	— ISO 17884:2004,  — EN 60945:2002 incl. IEC 60945 Corr. 1:2008.  Or:  — ISO 17884:2004,  — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D  B+E  B+F  G		
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),	— 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,	B+D  B+E  B+F  G		1.7.2025  (i)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 Code) 13, HSC</li> <li>— IMO Res. MSC.94(72),</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 13, HSC</li> <li>— IMO Res. MSC.191(79).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 62288 Ed. 2.0:2014-07.</li> </ul>			
<p>MED/4.43</p> <p>Night vision equipment 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 Code) 13, HSC</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 13, HSC</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 Code) 13, HSC</li> <li>— IMO Res. MSC.94(72),</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 13, HSC</li> <li>— IMO Res. MSC.191(79).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 16273:2020,</li> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN IEC 62288:2022.</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>— ISO 16273:2020,</li> <li>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— IEC 62288 Ed. 3.0:2021.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	
<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 Code) 13, HSC</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: 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>13.9.2019</p>	<p>1.7.2025 (i)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.114(73).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61108-4: 2004,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018.</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> <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.

<p>MED/4.46</p> <p>Transmitting heading device THD (Gyroscopic method)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— ISO 22090-1:2014,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</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>
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1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.116(73),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— ISO 22090-1:2014,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.46</p> <p>Transmitting heading device THD (Gyroscopic method)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p>	<p>— ISO 22090-1:2014,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.116(73),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</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>— ISO 22090-1:2014,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>MED/4.47</p> <p>Simplified voyage data recorder (S-VDR)</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/20.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/20,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <ul style="list-style-type: none"> <li>— EN 61996-2:2008,</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:                             <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 61996-2: 2007,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/4.47</p> <p>Simplified voyage data recorder (S-VDR)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. V/20.</li> </ul> <hr/> <p>Carriage and performance 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> <li>— EN 61162 series:                             <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> </ul> </li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	



1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 61162-2:1998</li> <li>EN 61162-3:2008 +A1:2010+A2:2014</li> <li>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: <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 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 2	Type approval requirements — SOLAS 74 Reg. V/23, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. V/23, — IMO Res. A.1045(27), — IMO MSC/Circ.1428.	— IMO Res. A.1045(27), as amended, — ISO 799:2004.	B+D B+E B+F G		12.8.2023  (i)
MED/4.49 Pilot ladder Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/23, — SOLAS 74 Reg. X/3.  Carriage and performance requirements — SOLAS 74 Reg. V/23, — IMO Res. A.1045(27), — IMO MSC/Circ.1428.	— IMO Res. A.1045(27), as amended, — ISO 799-1:2019.	B+D B+E B+F G	12.8.2020	
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.  Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17),	— 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,	B+D B+E B+F G	13.9.2019	1.7.2025  (i)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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.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>— 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: 2003,</li> <li>— IEC 61108-4: 2004,</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>MED/4.50</p> <p>DGPS 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>	
<p>MED/4.51</p> <p>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> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61108-2:1998,</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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.36(63)-(1994 Code) 13, HSC</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 13. HSC</li> </ul>	<ul style="list-style-type: none"> <li>— EN 61108-4:2004,</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 61108-4: 2004,</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>	G		
	<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 Code) 13, HSC</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 13, HSC</li> <li>— IMO Res. MSC.113(73),</li> <li>— IMO Res. MSC.114(73),</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87).</li> </ul>				

1	2	3	4	5	6
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. 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	
MED/4.52 Daylight signalling lamp Row 1 of 1	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code), — IMO Res. MSC.97(73)-(2000 HSC Code). Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code), — IMO Res. MSC.95(72), — IMO Res. MSC.97(73)-(2000 HSC Code).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — ISO 25861:2007. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — ISO 25861:2007.	B+D B+E B+F		
MED/4.53 Radar target enhancer Row 1 of 1	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13.	— ISO 8729-2:2009, — EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: — ISO 8729-2:2009,	B+D B+E B+F G		

1	2	3	4	5	6
	Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13, — IMO Res. MSC.164(78), — ITU-R M.1176-1 (02/13).	— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.			
MED/4.54 Compass bearing device Row 1 of 2	Type approval requirements — SOLAS 74 Reg. V/18. Carriage and performance requirements — SOLAS 74 Reg. V/19.	— ISO 25862:2009, — EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: — ISO 25862:2009, — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G		12.8.2023 (i)
MED/4.54 Compass bearing device Row 2 of 2	Type approval requirements — SOLAS 74 Reg. V/18. Carriage and performance requirements — SOLAS 74 Reg. V/19.	— ISO 25862:2019, — EN 60945:2002 incl. IEC 60945 Corr. 1:2008. Or: — ISO 25862:2019, — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E B+F G	12.8.2020	
MED/4.55 Search and rescue locating devices (SRLD):	Type approval requirements — SOLAS 74 Reg. III/4,	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61097-14:2010.	B+D B+E		

1	2	3	4	5	6
AIS SART equipment Row 1 of 1	— SOLAS 74 Reg. IV/14. Carriage and performance requirements — SOLAS 74 Reg. III/6, — SOLAS 74 Reg. III/26, — SOLAS 74 Reg. IV/7, — IMO Res. MSC.246(83), — ITU-R M.1371-5:2014.	Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-14:2010.	B+F G		
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,	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 61108-3:2010,</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>MED/4.56</p> <p>Galileo 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>	
<p>MED/4.57</p> <p>Bridge Navigational Watch Alarm System (BNWAS)</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.128(75),</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: 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</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>



1	2	3	4	5	6
	<p>— IMO MSC.1/Circ.1474.</p>	<p>— EN 62288:2014,                      — EN 62616:2010 incl. IEC 62616 Corr. 1:2012,                      — EN IEC 62923-1:2018,                      — EN IEC 62923-2:2018.</p> <p>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 62616:2010 incl. IEC 62616 Corr. 1:2012,                      — IEC 62923-1:2018,                      — IEC 62923-2:2018.</p>			
<p>MED/4.57                      Bridge Navigational Watch Alarm System (BNWAS)                      Row 2 of 2</p>	<p>Type approval requirements                      — SOLAS 74 Reg. V/18.</p> <hr/> <p>Carriage and performance requirements                      — SOLAS 74 Reg. V/19,</p>	<p>— 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</p>	<p>B+D                      B+E                      B+F                      G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 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>			
<p>MED/4.58</p> <p>Sound reception system</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),</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</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>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code).</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.36(63)-(1994 HSC Code),</p> <p>— IMO Res. MSC.86(70),</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 14859:2012.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018,</p> <p>— ISO 14859:2012.</p>			
<p>MED/4.58</p> <p>Sound reception system</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code),</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code).</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.36(63)-(1994 HSC Code),</p> <p>— IMO Res. MSC.86(70),</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ISO 14859:2012.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>— ISO 14859:2012.</p>			

1	2	3	4	5	6
MED/4.59 Integrated navigation system Row 1 of 4	<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: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</li> <li>IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— IEC 61924-2 Ed. 1.0: 2012-12,</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 62288 Ed. 2.0:2014-07,</li> <li>— IEC 61924-2 Ed. 1.0: 2012-12,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	B+D  B+E  B+F  G	13.9.2019	12.8.2023  (i)

1	2	3	4	5	6
MED/4.59 Integrated navigation system Row 2 of 4	<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> <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: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</li> <li>— EN 62288:2014,</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: 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 61924-2:2012 incl. IEC 61924-2 Corr. 1:2013,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>	B+D  B+E  B+F  G	12.8.2020	1.1.2024  (i)

1	2	3	4	5	6
<p>MED/4.59 Integrated navigation system Row 3 of 4</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: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</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: 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 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>

1	2	3	4	5	6
<p>MED/4.59</p> <p>Integrated navigation system</p> <p>Row 4 of 4</p> <p>(NEW ROW)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/15,</p> <p>— SOLAS 74 Reg. V/18,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</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.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.252(83),</p> <p>— IMO Res. MSC.302(87).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>— EN IEC 61924-2:2021.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— 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,</p> <p>— IEC 62288 Ed. 3.0:2021,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>— IEC 61924-2:2021.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
<p>MED/4.60</p> <p>Radar equipment approved with a chart option, namely:</p> <p>— CAT 3C</p> <p>Row 1 of 2</p> <p>New item inserted by Implementing Regulation (EU) 2020/1170</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18.</p> <hr/> <p>Carriage and performance requirements</p> <p>— IMO Res. A.278(VIII),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0: 2013-06,</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>12.8.2020</p>	<p>1.1.2024</p> <p>(i)</p>

1	2	3	4	5	6
MED/4.60 Radar equipment approved with a chart option, namely: — CAT 3C Note: New certification shall be carried out according to MED/4.64 CAT 3. Row 2 of 2	Type approval requirements For new certificates refer to item MED/4.64. Carriage and performance requirements For new certificates refer to item MED/4.64.	Testing Standards For new certificates refer to item MED/4.64.	For new certificates refer to item MED/4.64.	25.8.2021	

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 2	Type approval requirements — SOLAS 74 Reg. V/18, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13. Carriage and performance requirements — SOLAS 74 Reg. V/19, — IMO Res.A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13, — IMO Res. MSC.191(79), — IMO Res. MSC.302(87).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. And for: GPS Equipment: — EN 61108-1:2003. GLONASS equipment: — EN 61108-2:1998,	B+D B+E B+F G	25.8.2021	1.7.2025 (i)
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1	2	3	4	5	6
	<p>And for:</p> <p>GPS Equipment:</p> <p>— IMO Res. MSC.112(73).</p> <p>GLONASS equipment:</p> <p>— IMO Res. MSC.113(73).</p> <p>DGPS Equipment:</p> <p>— IMO Res. MSC.112(73),</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>DGPS Equipment:</p> <p>— EN 61108-1:2003,</p> <p>— EN 61108-4:2004.</p> <p>DGLONASS Equipment:</p> <p>— EN 61108-2:1998,</p> <p>— EN 61108-4:2004.</p> <p>Galileo Equipment:</p> <p>— EN 61108-3:2010.</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>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</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>			

1	2	3	4	5	6
		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.			
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)	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,	— 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.	B+D  B+E  B+F  G	15.8.2022	

1	2	3	4	5	6
<p>— Galileo Equipment (Moved from Ex. MED/4.56)</p> <p>— Beidou (BDS)</p> <p>Row 2 of 2</p>	<p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87).</p> <p>And for:</p> <p>GPS Equipment:</p> <p>— IMO Res. MSC.112(73).</p> <p>GLONASS equipment:</p> <p>— IMO Res. MSC.113(73).</p> <p>DGPS Equipment:</p> <p>— IMO Res. MSC.112(73),</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>And for:</p> <p>GPS Equipment:</p> <p>— EN 61108-1:2003.</p> <p>GLONASS equipment:</p> <p>— EN 61108-2:1998,</p> <p>DGPS Equipment:</p> <p>— EN 61108-1:2003,</p> <p>— EN 61108-4:2004.</p> <p>DGLONASS Equipment:</p> <p>— EN 61108-2:1998,</p> <p>— EN 61108-4:2004.</p> <p>Galileo Equipment:</p> <p>— EN 61108-3:2010.</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>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p>			

1	2	3	4	5	6
		<p>IEC 61162-450:2018,  — IEC 62288 Ed. 3.0:2021,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p> <p>And for:</p> <p>GPS Equipment:  — IEC 61108-1 Ed. 2.0: 2003.</p> <p>GLONASS equipment:  — IEC 61108-2 Ed. 1.0:1998.</p> <p>DGPS Equipment:  — IEC 61108-1 Ed. 2.0: 2003,  — IEC 61108-4: 2004.</p> <p>DGLONASS Equipment:  — IEC 61108-2 Ed. 1.0:1998,  — IEC 61108-4: 2004.</p> <p>Galileo Equipment:  — IEC 61108-3:2010.</p> <p>Beidou (BDS):  — EN IEC 61108-5:2020.</p>			
MED/4.64 Radar equipment — CAT 1 (Moved from Ex MED/4.34)	Type approval requirements — SOLAS 74 Reg. V/18, And for High Speed Craft: — SOLAS 74 Reg. X/3,	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998	B+D B+E B+F G	25.8.2021	1.1.2024 (i)

1	2	3	4	5	6
<p>— CAT 2 (Moved from Ex MED/4.35)</p> <p>— CAT 3 (Moved from Ex MED/4.36)</p> <p>— CAT 1H (Moved from Ex MED/4.37)</p> <p>— CAT 2H (Moved from Ex MED/4.37)</p> <p>Row 1 of 2</p>	<p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.278(VIII),</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.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC.1/Circ.1349,</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013 incl. IEC 62388 Corr 1:2014,</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0: 2013-06 incl. IEC 62388 Corr 1:2014,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.64</p> <p>Radar equipment</p> <p>— CAT 1</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>— EN 61162 series:</p> <p>EN 61162-1:2016</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
<p>(Moved from Ex MED/4.34)</p> <p>— CAT 2</p> <p>(Moved from Ex MED/4.35)</p> <p>— CAT 3</p> <p>(Moved from Ex MED/4.36)</p> <p>— CAT 1H</p> <p>(Moved from Ex MED/4.37)</p> <p>— CAT 2H</p> <p>(Moved from Ex MED/4.37)</p> <p>Row 2 of 2</p>	<p>And for High-Speed Craft:</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res. A.278(VIII),</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.191(79),</p> <p>— IMO Res. MSC.192(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC.1/Circ.1349,</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN 62388:2013 incl. IEC 62388 Corr 1:2014,</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 3.0:2021,</p> <p>— IEC 62388 Ed. 2.0: 2013-06 incl. IEC 62388 Corr 1:2014,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/4.65</p> <p>Gyro compass</p> <p>(Moved from Ex MED/4.3)</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18.</p> <p>— SOLAS 74 Reg. X/3,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>1.7.2025</p> <p>(i)</p>



1	2	3	4	5	6
<p>(Moved from Ex MED/4.31) Row 1 of 2</p>	<p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements For gyro compass: — SOLAS 74 Reg. V/19, — IMO Res.A.424(XI), — IMO Res.A.694(17), — IMO Res.MSC.191(79), — IMO Res.MSC.302(87). For gyro compass for HSC: — IMO Res.A.694(17), — IMO Res.A.821(19), — IMO Res. MSC.36(63)-(1994 HSC Code) 13, — IMO Res. MSC.97(73)-(2000 HSC Code) 13, — IMO Res. MSC.191(79), — IMO Res. MSC.302(87), — IMO MSC.1/Circ.1349.</p>	<p>— EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. And additionally, for gyro compass: — ISO 8728:2014. And additionally, for gyro compass for HSC: — ISO 16328:2014. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>	<p>G</p>		

1	2	3	4	5	6
		<p>And additionally, for gyro compass:</p> <p>— ISO 8728:2014.</p> <p>And additionally, for gyro compass for HSC:</p> <p>— ISO 16328:2014.</p>			
<p>MED/4.65</p> <p>Gyro compass</p> <p>(Moved from Ex MED/4.3)</p> <p>(Moved from Ex MED/4.31)</p> <p>Row 2 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. V/18.</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage and performance requirements</p> <p>For gyro compass:</p> <p>— SOLAS 74 Reg. V/19,</p> <p>— IMO Res.A.424(XI),</p> <p>— IMO Res.A.694(17),</p> <p>— IMO Res.MSC.191(79),</p> <p>— IMO Res.MSC.302(87).</p> <p>For gyro compass for HSC:</p> <p>— IMO Res.A.694(17),</p> <p>— IMO Res.A.821(19),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 13,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 13,</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>And additionally, for gyro compass:</p> <p>— ISO 8728:2014.</p> <p>And additionally, for gyro compass for HSC:</p> <p>— ISO 16328:2014.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<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>	<p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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> <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>			

## 5. Radio-communication equipment

Notes applicable to section 5: Radio-communication equipment.

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

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

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
1	2	3	4	5	6
MED/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 1 of 6	<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> </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 61162-450:2011+A1:2016,</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 V2.1. 1:2016-03,</li> <li>— ETSI EN 301 925 V1.5.1:2017-10.</li> </ul>	<ul style="list-style-type: none"> <li>B+D</li> <li>B+E</li> <li>B+F</li> </ul>	19.6.2018	29.8.2021  (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>MED/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 2 of 6</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> </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>Or:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>	<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 61097-7: 1996 with A1: 2018,</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/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 3 of 6</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: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,</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>

1	2	3	4	5	6
	<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>— 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: 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</li> <li>— IEC 61162-450:2018,</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 6</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> <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>25.8.2021</p>	<p>1.1.2024</p> <p>(iii)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.385(X),</p> <p>— IMO Res. A.524(13),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.803(19),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC/Circ.862,</p> <p>— IMO MSC.1/Circ.1460,</p> <p>— IMO COMSAR/Circ.32,</p> <p>— ITU-R M.489-2 (10/95),</p> <p>— ITU-R M.493-15 (01/19),</p> <p>— ITU-R M.541-10 (10/15).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI EN 300 338-1 V1.5.1:2019-09,</p> <p>— ETSI EN 300 338-2 V1.5.1:2020-06,</p> <p>— ETSI EN 301 843-2 V2.2. 1:2017-11,</p> <p>— ETSI EN 301 925 V1.6.1:2020-10,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— IMO MSC/Circ.862,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61097-3: 2017,</p> <p>— IEC 61097-7: 1996 with A1: 2018,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p>			



1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 5 of 6</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.385(X),</p> <p>— IMO Res. A.524(13),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.803(19),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p>	<p>— IMO MSC/Circ.862,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI EN 300 338-1 V1.5.1:2019-09,</p> <p>— ETSI EN 300 338-2 V1.5.1:2020-06,</p> <p>— ETSI EN 301 843-2 V2.2. 1:2017-11,</p> <p>— ETSI EN 301 925 V1.6.1:2020-10,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— IMO MSC/Circ.862,</p>	<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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>— 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: 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/5.1</p> <p>VHF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 6 of 6</p> <p>(NEW ROW)</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: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,</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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<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 Code) 14, HSC</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 14, HSC</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO MSC.1/Circ.1460 Revision 3,</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 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> <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/5.2 VHF DSC watch-keeping receiver 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 Code) 14, HSC</li> <li>— IMO Res. MSC.97(73)-(2000 Code) 14. HSC</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</li> </ul>	<p>B+D B+E B+F</p>	<p>19.6.2018</p>	<p>29.8.2021 (iii)</p>

1	2	3	4	5	6
	Carriage and performance requirements — SOLAS 74 Reg. IV/7, — SOLAS 74 Reg. X/3, — IMO Res. A.694(17), — IMO Res. A.803(19), — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14, — IMO COMSAR/Circ.32, — ITU-R M.489-2 (10/95), — ITU-R M.493-14 (09/15), — ITU-R M.541-10 (10/15).	EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — ETSI EN 300 338-1 V1.4.1:2017-02, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-2 V2.1.1:2016-03.			
MED/5.2 VHF DSC watch-keeping receiver Row 2 of 5	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14.  Carriage and performance requirements — SOLAS 74 Reg. IV/7, — SOLAS 74 Reg. X/3, — IMO Res. A.694(17), — IMO Res. A.803(19),	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018, — ETSI EN 300 338-1 V1.4.2:2017-11, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-2 V2.2.1:2017-11, — IEC 62923-1:2018,	B+D  B+E  B+F	13.9.2019	12.8.2023  (iii)

1	2	3	4	5	6
	<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 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>— 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 61097-8:1998,</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>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> </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 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> </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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 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>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> </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</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>10.10.2026</p> <p>(i)</p>

1	2	3	4	5	6
	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.803(19),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO COMSAR/Circ.32,</p> <p>— ITU-R M.489-2 (10/95),</p> <p>— ITU-R M.493-15 (01/19),</p> <p>— ITU-R M.541-10 (10/15).</p>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI EN 300 338-1 V1.5.1:2019-09,</p> <p>— ETSI EN 300 338-2 V1.5.1:2020-06,</p> <p>— ETSI EN 301 033 V1.4.1:2013-09,</p> <p>— ETSI EN 301 843-2 V2.2.1:2017-11,</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 61097-3: 2017,</p> <p>— IEC 61097-8:1998,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			

1	2	3	4	5	6
MED/5.2 VHF DSC watch-keeping receiver Row 5 of 5 (NEW ROW)	<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> <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,</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 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 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: IEC 61162-1:2016</li> </ul>	B+D  B+E  B+F	10.10.2023	



1	2	3	4	5	6
		<p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>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>MED/5.3</p> <p>NAVTEX receiver</p> <p>Row 1 of 4</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.148(77),</p> <p>— IMO COMSAR/Circ.32,</p> <p>— ITU-R M.540-2 (06/90),</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN 61162-450:2011+A1:2016,</p> <p>— ETSI EN 300 065-1 V1.2.1:2009-01,</p> <p>— ETSI EN 301 843-4 V2.1.1:2016-03.</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</p> <p>IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>29.8.2021</p> <p>(iii)</p>

1	2	3	4	5	6
	— ITU-R M.625-4 (03/12).	IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07  IEC 61162-450 Ed.1.0:2011-06 with A1:2016,  — IEC 61097-6: 2005.			
MED/5.3 NAVTEX receiver Row 2 of 4	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.148(77),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO COMSAR/Circ.32,</p> <p>— ITU-R M.540-2 (06/90),</p> <p>— ITU-R M.625-4 (03/12).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:  EN 61162-1:2016  EN 61162-2:1998  EN 61162-3:2008 +A1:2010+A2:2014  IEC 61162-450:2018,</p> <p>— ETSI EN 300 065-1 V1.2.1:2009-01,</p> <p>— ETSI EN 301 843-2 V2.2.1:2017-11,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— 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</p>	B+D  B+E  B+F	13.9.2019	12.8.2023  (iii)

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 61097-6:2005, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/5.3 NAVTEX receiver Row 3 of 4	<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> <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                EN 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>— 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> </ul>	B+D  B+E  B+F	12.8.2020	10.10.2026  (i)

1	2	3	4	5	6
		<ul style="list-style-type: none"> <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</p> <p>NAVTEX receiver</p> <p>Row 4 of 4</p> <p>(NEW ROW)</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.191(79),</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 EN 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>— 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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
		<ul style="list-style-type: none"> <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>			
<p>MED/5.4 EGC 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/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.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 EN 61162-450:2011+A1:2016,</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 V2.1.1:2016-03.</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</li> </ul>	<p>B+D  B+E  B+F</p>	<p>19.6.2018</p>	<p>29.8.2021  (iii)</p>

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450 Ed.1.0:2011-06 with A1:2016.</p>			
<p>MED/5.4</p> <p>EGC receiver</p> <p>Row 2 of 4</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.570(14),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO Res. MSC.306(87),</p> <p>— IMO COMSAR/Circ.32.</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>IEC 61162-450:2018,</p> <p>— ETSI ETS 300 460 Ed.1:1996-05,</p> <p>— ETSI ETS 300 460/A1:1997-11,</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61097-4 2012,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p>	<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>

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>MED/5.4</p> <p>EGC receiver</p> <p>Row 3 of 4</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/7,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.570(14),</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO Res. MSC.306(87),</p> <p>— IMO Res. MSC.431(98) (new provision),</p> <p>— IMO COMSAR/Circ.32.</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI ETS 300 460 Ed.1:1996-05,</p> <p>— ETSI ETS 300 460/A1:1997-11,</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</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 61097-4:2012 +A1:2016+A2:2019,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>10.10.2026</p> <p>(iii)</p>

1	2	3	4	5	6
		IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07  IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/5.4 EGC receiver Row 4 of 4 (NEW ROW)	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14.  Carriage and performance requirements — SOLAS 74 Reg. IV/7, — SOLAS 74 Reg. X/3, — IMO Res. A.570(14), — IMO Res. A.694(17), — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14, — IMO Res. MSC.191(79), — IMO Res. MSC.302(87), — IMO Res. MSC.306(87), — IMO COMSAR/Circ.32.	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI ETS 300 460 Ed.1:1996-05, — ETSI ETS 300 460/A1:1997-11, — ETSI EN 301 843-1 V2.2.1:2017-11, — EN IEC 62288:2022, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.  Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-4:2012 +A1:2016+A2:2019, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09	B+D  B+E  B+F	10.10.2023	



1	2	3	4	5	6
		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.			
MED/5.5  HF marine safety information (MSI) equipment (HF NBDP receiver)  Row 1 of 3	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3,  — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14.  Carriage and performance requirements — SOLAS 74 Reg. IV/7, — SOLAS 74 Reg. X/3, — IMO Res. A.694(17), — IMO Res. A.699(17), — IMO Res. A.700(17), — IMO Res. A.806(19), — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14, — IMO MSC.1/Circ.1460, — IMO COMSAR/Circ.32,	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,  — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016,  — ETSI ETS 300 067 Ed.1:1990-11, — ETSI ETS 300 067/A1 Ed.1:1993-10,  Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07  IEC 61162-450 Ed.1.0:2011-06 with A1:2016,	B+D  B+E  B+F	19.6.2018	29.8.2021  (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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> </ul>			
<p>MED/5.5</p> <p>HF marine safety information (MSI) equipment (HF NBDP receiver)</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> <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> </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> </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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.5</p> <p>HF marine safety information (MSI) equipment (HF NBDP receiver)</p> <p>Row 3 of 3 (NEW ROW)</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.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO MSC.1/Circ.1460,</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 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 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</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>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 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>MED/5.6 406 MHz EPIRB (COSPAS-SARSAT) Row 1 of 1 (NEW ROW)</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,</li> <li>— ITU-R M.633-4 (12/10),</li> <li>— ITU-R M.690-3 (03/15).</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> </ul> <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</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
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.					
<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 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>— 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 61162-450:2011 +A1:2016,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>29.8.2021</p> <p>(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 MSC.1/Circ.1460,</li> <li>— IMO COMSAR/Circ.32,</li> <li>— ITU-R M.493-14 (09/15),</li> </ul>	<ul style="list-style-type: none"> <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 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.1.1:2016-03.</li> </ul>			

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— ITU-R M.541-10 (10/15),</li> <li>— ITU-R M.1173-1 (03/12).</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 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/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> </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 V1.4.2:2017-11,</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> </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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li 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</li> <li style="padding-left: 20px;">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 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/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> </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:</li> <li style="padding-left: 20px;">EN 61162-1:2016</li> <li style="padding-left: 20px;">EN 61162-2:1998</li> <li style="padding-left: 20px;">EN 61162-3:2008 +A1:2010+A2:2014</li> <li style="padding-left: 20px;">EN IEC 61162-450:2018,</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>

1	2	3	4	5	6
	<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.1/Circ.1460,</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 61097-9: 1997,</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/5.10</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 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> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74 Reg. IV/9,</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 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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>10.10.2026</p> <p>(iii)</p>



1	2	3	4	5	6
	<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.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.493-15 (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 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 61097-9: 1997,</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/5.10</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 5 of 5 (NEW ROW)</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> </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</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<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.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 MSC.1/Circ.1460,</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>EN 61162-3:2008 +A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</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> <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:</li> <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 62288 Ed. 3.0:2021,</li> </ul>			

1	2	3	4	5	6
		<ul style="list-style-type: none"> <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>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> <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 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>EN 61162-450:2011+A1:2016,</li> </ul> </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 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5 V2.1.1:2016-03.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>29.8.2021</p> <p>(iii)</p>

1	2	3	4	5	6
MED/5.11 MF DSC watch-keeping receiver Row 2 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> <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</li> </ul>	B+D B+E B+F	13.9.2019	12.8.2023 (iii)

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/5.11 MF DSC watch-keeping receiver Row 3 of 5	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14. Carriage and performance requirements — SOLAS 74 Reg. IV/9, — SOLAS 74 Reg. IV/10, — SOLAS 74 Reg. X/3, — IMO Res. A.694(17), — IMO Res. A.804(19), — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14, — IMO Res. MSC.302(87), — IMO COMSAR/Circ.32, — ITU-R M.493-15 (01/19), — ITU-R M.541-10 (10/15),	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.2.1:2017-11, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-3: 2017, — IEC 61097-8:1998, — IEC 61162 series: IEC 61162-1:2016	B+D B+E B+F	12.8.2020	25.8.2024 (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <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/5.11</p> <p>MF DSC 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> <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> </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 V1.5.1:2020-06,</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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>10.10.2026</p> <p>(iii)</p>

1	2	3	4	5	6
	<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:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li 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</li> <li style="padding-left: 20px;">IEC 61162-450:2018,</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>Row 5 of 5</p> <p>(NEW ROW)</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> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:</li> <li style="padding-left: 20px;">EN 61162-1:2016</li> <li style="padding-left: 20px;">EN 61162-2:1998</li> <li style="padding-left: 20px;">EN 61162-3:2008 +A1:2010+A2:2014</li> <li style="padding-left: 20px;">EN IEC 61162-450:2018,</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>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. MSC.191(79),</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 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>			

MED/5.12 Inmarsat-B SES this item has been deleted as Inmarsat-B SES Service has been discontinued on 31 December 2016.

MED/5.13	Type approval requirements	— IMO MSC/Circ.862,	B+D	19.6.2018	29.8.2021
Inmarsat-C SES	— SOLAS 74 Reg. IV/14,	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,	B+E		(iii)
Row 1 of 3	— SOLAS 74 Reg. X/3,	— EN 61162 series:	B+F		
	— IMO Res. MSC.36(63)-(1994 HSC Code) 14,	EN 61162-1:2016			
	— IMO Res. MSC.97(73)-(2000 HSC Code) 14.	EN 61162-2:1998			
		EN 61162-3:2008 +A1:2010+A2:2014			
	Carriage and performance requirements	EN 61162-450:2011+A1:2016,			
	— SOLAS 74 Reg. IV/10,	— ETSI ETS 300 460 Ed.1:1996-05,			



1	2	3	4	5	6
	<ul style="list-style-type: none"> <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.306(87),</li> <li>— IMO MSC/Circ.862,</li> <li>— IMO COMSAR/Circ.32.</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI ETS 300 460/A1:1997-11,</li> <li>— ETSI EN 301 843-1 V2.1.1:2016-03.</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 Ed.1.0:2011-06 with A1:2016.</li> </ul>			
<p>MED/5.13</p> <p>Inmarsat-C SES</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> <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> </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 ETS 300 460 Ed.1:1996-05,</li> <li>— ETSI ETS 300 460/A1:1997-11,</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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Res. A.664(16),</li> <li>Note for Res. A.664(16): applicable only if the Inmarsat C SES supports EGC functions.</li> <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>— ETSI EN 301 843-1 V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> <li>Or:</li> <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>			
<p>MED/5.13</p> <p>Inmarsat-C SES</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> <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> </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 300 460 Ed.1:1996-05,</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
	<ul style="list-style-type: none"> <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>— 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/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radio-telephony</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 6</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> </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 61162-450:2011+A1:2016,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>29.8.2021</p> <p>(iii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 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>— 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 V1.4.1:2017-02,</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 V2.1.1:2016-03.</li> </ul>			
<p>MED/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radio-telephony</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 6</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> </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 ETS 300 067 Ed.1:1990-11,</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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>— 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> <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>			
MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony	<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> </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 B+E B+F</p>	<p>12.8.2020</p>	<p>25.8.2024 (iii)</p>

1	2	3	4	5	6
<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 6</p>	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/10,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.806(19),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC/Circ.862,</p> <p>— IMO MSC.1/Circ.1460,</p> <p>— IMO COMSAR/Circ.32,</p> <p>— ITU-R M.476-5 (10/95),</p> <p>— ITU-R M.492-6 (10/95),</p> <p>— ITU-R M.493-15 (01/19),</p> <p>— ITU-R M.541-10 (10/15)</p> <p>— ITU-R M.625-4 (03/12),</p> <p>— ITU-R M.1173-1 (03/12).</p>	<p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI ETS 300 067 Ed.1:1990-11,</p> <p>— ETSI ETS 300 067/A1 Ed.1:1993-10,</p> <p>— ETSI EN 300 338-1 V1.5.1:2019-09,</p> <p>— ETSI EN 300 338-2 V1.4.1:2017-02,</p> <p>— ETSI EN 300 373-1 V1.4.1:2013-09,</p> <p>— ETSI EN 301 843-5 V2.2.1:2017-11,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Or:</p> <p>— IMO MSC/Circ.862,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61097-3: 2017,</p> <p>— IEC 61097-9: 1997,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p>			

1	2	3	4	5	6
		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radio-telephony Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on A3H are no longer applicable in testing standards. Row 4 of 6	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14. Carriage and performance requirements — SOLAS 74 Reg. IV/10, — SOLAS 74 Reg. X/3, — IMO Res. A.694(17), — IMO Res. A.806(19), — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14, — IMO Res. MSC.302(87), — IMO MSC/Circ.862, — IMO MSC.1/Circ.1460, — IMO COMSAR/Circ.32, — ITU-R M.476-5 (10/95),	— IMO MSC/Circ.862, — EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI ETS 300 067 Ed.1:1990-11, — ETSI ETS 300 067/A1 Ed.1:1993-10, — ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 300 373-1 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.2.1:2017-11, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.	B+D B+E B+F	25.8.2021	15.8.2025 (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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: 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 radio-telephony</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 5 of 6</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> </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> </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>



1	2	3	4	5	6
	<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.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 300 338-1 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: 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>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> </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</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
<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 6 of 6 (NEW ROW)</p>	<p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/10,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.806(19),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO MSC/Circ.862,</p> <p>— IMO MSC.1/Circ.1460,</p> <p>— IMO COMSAR/Circ.32,</p> <p>— ITU-R M.476-5 (10/95),</p> <p>— ITU-R M.492-6 (10/95),</p> <p>— ITU-R M.493-15 (01/19),</p> <p>— ITU-R M.541-10 (10/15)</p> <p>— ITU-R M.625-4 (03/12),</p> <p>— ITU-R M.1173-1 (03/12).</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI ETS 300 067 Ed.1:1990-11,</p> <p>— ETSI ETS 300 067/A1 Ed.1:1993-10,</p> <p>— ETSI EN 300 338-1 V1.6.1:2021-05,</p> <p>— ETSI EN 300 338-2 V1.5.1:2020-06,</p> <p>— ETSI EN 300 338-7 V1.1.1:2022-04,</p> <p>— ETSI EN 300 373-1 V1.4.1:2013-09,</p> <p>— ETSI EN 301 843-5 V2.2.1:2017-11,</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>— IMO MSC/Circ.862,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61097-3: 2017,</p> <p>— IEC 61097-9: 1997,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p>			

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 1 of 6	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14.  Carriage and performance requirements — SOLAS 74 Reg. IV/10, — SOLAS 74 Reg. X/3, — IMO Res. A.694(17), — IMO Res. A.806(19), — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14, — IMO COMSAR/Circ.32, — ITU-R M.493-14 (09/15), — ITU-R M.541-10 (10/15), — ITU-R M.1173-1 (03/12).	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — ETSI EN 300 338-1 V1.4.1:2017-02, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.1.1:2016-03. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-3:1994, — IEC 61097-8:1998, — IEC 61162 series: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09	B+D B+E B+F	19.6.2018	29.8.2021 (iii)

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450 Ed.1.0:2011-06 with A1:2016.</p>			
<p>MED/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 2 of 6</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: 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 61097-9: 1997,</li> <li>— IEC 61162 series: IEC 61162-1:2016</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>

1	2	3	4	5	6
		IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.			
MED/5.15 MF/HF DSC scanning watch keeping receiver Row 3 of 6	Type approval requirements — SOLAS 74 Reg. IV/14, — SOLAS 74 Reg. X/3, — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14. Carriage and performance requirements — SOLAS 74 Reg. IV/10, — SOLAS 74 Reg. X/3, — IMO Res. A.694(17), — IMO Res. A.806(19), — IMO Res. MSC.36(63)-(1994 HSC Code) 14, — IMO Res. MSC.97(73)-(2000 HSC Code) 14, — IMO Res. MSC.302(87), — IMO COMSAR/Circ.32, — ITU-R M.493-15 (01/19), — ITU-R M.541-10 (10/15),	— EN 60945:2002 incl. IEC 60945 Corr. 1:2008, — EN 61162 series: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.2.1:2017-11, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Or: — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, — IEC 61097-3: 2017, — IEC 61097-8:1998, — IEC 61097-9: 1997,	B+D B+E B+F	12.8.2020	25.8.2024 (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— ITU-R M.1173-1 (03/12).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 61162 series:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li 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</li> <li style="padding-left: 20px;">IEC 61162-450:2018,</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 6</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> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</li> <li>— EN 61162 series:</li> <li style="padding-left: 20px;">EN 61162-1:2016</li> <li style="padding-left: 20px;">EN 61162-2:1998</li> <li style="padding-left: 20px;">EN 61162-3:2008 +A1:2010+A2:2014</li> <li style="padding-left: 20px;">EN IEC 61162-450:2018,</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 301 033 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> </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>

1	2	3	4	5	6
	<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 61097-8:1998,</li> <li>— IEC 61097-9: 1997,</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/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 5 of 6</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> </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 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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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: 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/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 6 of 6</p> <p>(NEW ROW)</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.694(17),</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 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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
	<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.191(79),</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 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: 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/5.16</p> <p>Aeronautical two-way VHF radio telephone apparatus</p> <p>Ex. MED/9/5.8</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> </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> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
New item inserted by Implementing Regulation (EU) 2020/1170	<ul style="list-style-type: none"> <li>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</li> </ul> <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,</li> <li>— ICAO Convention, Annex 10, Radio Regulations.</li> </ul>	— IEC 60945:2002 incl. IEC 60945 Corr.1:2008.			
MED/5.17 Portable survival craft two-way VHF radiotelephone apparatus Row 1 of 2	<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> </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>	B+D B+E B+F	13.9.2019	10.10.2026 (ii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>				
<p>MED/5.17</p> <p>Portable survival craft two-way VHF radiotelephone apparatus</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. 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>	

1	2	3	4	5	6
<p>MED/5.18</p> <p>Fixed survival craft two-way VHF radio-telephone apparatus</p> <p>Row 1 of 1</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. III/6,</p> <p>— IMO Res. A.694(17),</p> <p>— IMO Res. A.809(19),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 8,</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 8,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— ITU-R M.489-2 (10/95).</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— ETSI EN 301 466 V1.2.1:2015-12.</p> <p>Or:</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— IEC 61097-12: 1996 + A1:2017.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	
<p>MED/5.19 – Item deleted as the Inmarsat F77 service has been discontinued as from 1 December 2020.</p>					
<p>MED/5.20</p> <p>Fire-fighter's two-way radiotelephone apparatus</p> <p>New item inserted by Implementing Regulation 2019/1397</p> <p>Row 1 of 2</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. II-2/2.</p> <p>— SOLAS 74 Reg. II-2/10.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74/2014 Reg. II-2/10.</p>	<p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</p> <p>— ETSI EN 301 843-2 V2.2. 1:2017-11,</p> <p>— ATEX Directive 2014/34/EU.</p>	<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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>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> <li>Or:               <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>— ATEX Directive 2014/34/EU.</li> </ul> </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/5.20</p> <p>Fire-fighter's two-way radiotelephone apparatus</p> <p>New item inserted by Implementing Regulation 2019/1397</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-2/2.</li> <li>— SOLAS 74 Reg. II-2/10.</li> </ul> <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 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>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
		<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. A694(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> </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> </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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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>— For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply.</li> <li>Or:</li> <li>— IMO MSC/Circ.862,</li> <li>— EN 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 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>MED/5.21</p> <p>Integrated communication system (ICS)</p> <p>New item inserted by Implementing Regulation 2019/1397</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>	

1	2	3	4	5	6
Row 2 of 2	<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. A694(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>— 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> <li>Or: <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> </ul> </li> </ul>			



1	2	3	4	5	6
		<p>— IEC 62923-2:2018.</p> <p>— For GMDSS functions and units included in the ICS, the test requirements for those functions and units apply.</p>			
<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> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/10,</p> <p>— IMO Res. A694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO Res. MSC.434(98),</p> <p>— IMO MSC/Circ.862,</p> <p>— IMO COMSAR/Circ.32.</p>	<p>— IMO MSC/Circ.862,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— ETSI EN 301 441 V2.1.1:2016,</p> <p>— IEC 61097-16:2019.</p> <p>Or:</p> <p>— IMO MSC/Circ.862,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— ETSI EN 301 441 V2.1.1:2016,</p> <p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</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>

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 61097-16:2019,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>And additionally, for Inmarsat equipment:</p> <p>— ETSI ETS 300 460:1996 + A1:1997.</p>			
<p>MED/5.22</p> <p>Ship Earth station for use in the GMDSS</p> <p>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 2 of 3</p>	<p>Type approval requirements</p> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/10,</p> <p>— IMO Res. A694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO Res. MSC.434(98),</p> <p>— IMO MSC/Circ.862,</p> <p>— IMO COMSAR/Circ.32.</p>	<p>— IMO MSC/Circ.862,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— IEC 61097-16:2019.</p> <p>And additionally, for Inmarsat C equipment:</p> <p>— ETSI ETS 300 460:1996 + A1:1997.</p> <p>And additionally, for Inmarsat Fleet Broad Band (FBB)equipment:</p> <p>— ETSI EN 301 444 V2.1.2:2016.</p>	<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>

1	2	3	4	5	6
		<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>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>			

1	2	3	4	5	6
<p>MED/5.22</p> <p>Ship Earth station for use in the GMDSS</p> <p>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> <p>— SOLAS 74 Reg. IV/14,</p> <p>— SOLAS 74 Reg. X/3.</p> <hr/> <p>Carriage and performance requirements</p> <p>— SOLAS 74 Reg. IV/10,</p> <p>— IMO Res. A694(17),</p> <p>— IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p> <p>— IMO Res. MSC.97(73)-(2000 HSC Code) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO Res. MSC.434(98),</p> <p>— IMO MSC/Circ.862,</p> <p>— IMO COMSAR/Circ.32.</p>	<p>— IMO MSC/Circ.862,</p> <p>— EN 60945:2002 incl. IEC 60945 Corr. 1:2008,</p> <p>— EN 61162 series:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— IEC 61097-16:2019.</p> <p>And additionally, for Inmarsat C equipment:</p> <p>— ETSI ETS 300 460:1996 + A1:1997.</p> <p>And additionally, for Inmarsat Fleet Broad Band (FBB)equipment:</p> <p>— ETSI EN 301 444 V2.2.1:2021.</p> <p>And additionally, for Iridium equipment:</p> <p>— ETSI EN 301 441 V2.1.1:2016.</p> <p>Or:</p> <p>— IMO MSC/Circ.862,</p> <p>— IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		<p>— IEC 61162 series:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 61097-16:2019,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>And additionally, for Inmarsat C equipment:</p> <p>— ETSI ETS 300 460:1996 + A1:1997.</p> <p>And additionally, for Inmarsat Fleet Broad Band (FBB)equipment:</p> <p>— ETSI EN 301 444 V2.2.1:2021.</p> <p>And additionally, for Iridium equipment:</p> <p>— ETSI EN 301 441 V2.1.1:2016.</p>			

## 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	Type approval requirements — COLREG 72 Annex I/14.	— EN 14744:2005 incl. AC:2006, — EN 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+D B+E		
Row 1 of 1	Carriage and performance requirements — COLREG 72 Annex I/14, — IMO Res. A.694(17), — IMO Res. MSC.253(83).	Or: — EN 14744:2005 incl. AC:2006, — IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.	B+F G		

## 7. Other safety equipment

Number and item designation	Regulation SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
MED/7.1  Self-contained compressed-air-operated breathing apparatus for entry and work in gas-filled space  (New item inserted by Implementing Regulation (EU) 2018/773, refer to item 3.7)  Row 1 of 1	Type approval requirements — SOLAS 74 Reg.II-2/10, — IMO Res. MSC.98(73)-(FSS Code) 3.  Carriage and performance requirements — SOLAS 74 Reg. II-2/10, — SOLAS 74 Reg. II-2/15, — IMO Res. MSC.98(73)-(FSS Code) 3, — IMO Res. MSC.4(48)-(IBC Code) 14, — IMO Res. MSC.5(48)-(IGC Code) 14, — IMO MSC.1/Circ.1499.	— ISO 23269-3:2011.  Note: Associated fireproof lifeline 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 3	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 3	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)



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 o board
MED/8.1 Water level detectors Row 3 of 3	<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> <hr/> <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>	<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>— IEC 60529 Ed. 2.2:2013 incl. Corr1:2013 and Corr2:2015,</li> </ul> <hr/> <ul style="list-style-type: none"> <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>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>	B+D  B+E  B+F	15.8.2022	

## 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 SO <sub>x</sub> 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,	

Number and item designation	Regulation of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
	<ul style="list-style-type: none"> <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>MED/9/3.9</p> <p>Protective clothing resistant to chemical attack</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/19.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/19,</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.4(48)-(IBC Code) 14,</li> <li>— IMO Res.MSC.5(48)-(IGC Code) 14.</li> </ul>	<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>
<p>MED/9/3.21</p> <p>Paint lockers and flammable liquid lockers fire extinguishing systems components</p>	<p>Type approval requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10,</li> <li>— IMO MSC/Circ.1239.</li> </ul>	
<p>MED/9/3.24</p> <p>Portable Foam Applicator Units</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-2/20,</li> <li>— SOLAS 74/2009 Reg. X/3.</li> </ul> <hr/> <p>Carriage and performance requirements</p> <ul style="list-style-type: none"> <li>— SOLAS 74/2009 Reg. II-2/10,</li> </ul>	

Number and item designation	Regulation of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
	<ul style="list-style-type: none"> <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) 4,</li> <li>— IMO MSC/Circ.1239,</li> <li>— IMO MSC.1/Circ.1313.</li> </ul>	
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.	
MED/9/3.27 Fixed Gas Fire Extinguishing Systems (CO <sub>2</sub> ) components	Type approval requirements — SOLAS 74/2009 Reg. II-2/10, — SOLAS 74/2009 Reg. X/3.	Electrical automatic control and delay devices: — EN 12094-1:2003, Non-electrical automatic control and delay devices: — EN 12094-2:2003,
	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) 5, — IMO MSC.1/Circ.1313, — MSC.1/Circ.1318/Rev.1, — IMO MSC.1/Circ.1456.	Manual triggering and stop devices: — EN 12094-3:2003, Container valve assemblies and their actuators: — EN 12094-4:2004, High- and low-pressure selector valves and their actuators: — EN 12094-5:2006, Non-electrical disable devices: — EN 12094-6:2006,

Number and item designation	Regulation of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
		Nozzles for CO <sub>2</sub> Systems: — EN 12094-7:2000 incl. A1:2005, Connectors: — EN 12094-8:2006, Pressure gauges and pressure switches: — EN 12094-10:2003, Mechanical weighing devices: — EN 12094-11:2003, Check valves and non-return valves: — EN 12094-13:2001 incl. AC:2002, Odorizing devices for CO <sub>2</sub> low pressure systems: — EN 12094-16:2003.
MED/9/3.31 Water Spraying Hand Operated System	Type approval requirements — SOLAS 74/2009 Reg. II-2/10, — SOLAS 74/2009 Reg. II-2/19. Carriage and performance requirements — SOLAS 74/2009 Reg. II-2/10, — SOLAS 74/2009 Reg. II-2/19.	
MED/9/3.33 Fire hoses with diameter > 52 mm	Type approval requirements — SOLAS 74/2009 Reg. II-2/10, — SOLAS 74/2009 Reg. X/3. 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.	

Number and item designation	Regulation of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
MED/9/3.74 Alcohol-resistant foam system Added by Implementing Regulation (EU) 2022/1157.	Type approval requirements — SOLAS 74 Reg.II-1/56, — SOLAS 74 Reg.II-1/57.	
	Carriage and performance requirements — SOLAS 74 Reg.II-1/56, — IMO Res.MSC.391(95)-(IGF Code), — IMO Res.1/Circ.1621(11).	
MED/9/3.75 Flexible hoses suitable for methyl/ethyl alcohol for fuel piping systems Added by Implementing Regulation (EU) 2022/1157.	Type approval requirements — SOLAS 74 Reg.II-1/56, — SOLAS 74 Reg.II-1/57.	
	Carriage and performance requirements — SOLAS 74 Reg.II-1/56, — IMO Res.MSC.391(95)-(IGF Code), — IMO MSC.1/Res.1621(5).	
MED/9/3.76 Vapour outlets suitable for methyl/ethyl alcohol fuel tanks Added by Implementing Regulation (EU) 2022/1157.	Type approval requirements — SOLAS 74 Reg.II-1/56, — SOLAS 74 Reg.II-1/57.	
	Carriage and performance requirements — SOLAS 74 Reg.II-1/56, — IMO Res. MSC.5(48)-(IGC Code), — MSC.1/Circ.1621(6).	

## 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
MED/9/4.20  Track control system for - high-speed craft	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).  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).	— EN 60945:2002 incl. IEC 60945:2002/COR1:2008, — EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 incl. EN 61162-3:2008/A1:2010 and EN 61162-3:2008/A2:2014 - EN 61162-450:2011+A1:2016, — IEC 62288:2014, — IEC 62923-1:2018, — IEC 62923-2:2018. Or — IEC 60945:2002 incl. IEC 60945:2002/COR1:2008, — IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2:1998 - IEC 61162-3:2008+AMD1:2010+AMD2:2014 CSV - IEC 61162-450:2011+AMD1:2016, — IEC 62288:2014, — IEC 62923-1:2018, — IEC 62923-2:2018.

## 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
MED/9/5.8  Aeronautical two-way VHF radio telephone apparatus	Moved to MED/5.16 by Implementing Regulation (EU) 2020/1170.	

## 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
MED/9/6.2 Sound signal appliances	Type approval requirements — COLREG 72 Annex III/3.	— 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),
	Carriage and performance requirements — COLREG 72 Annex III/3, — IMO Res.A.694(17).	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).

## 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	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, — IACS Recommendation No. 48	



## 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.1464/Rev.1 incl. Corr.1 and Corr.2.	

## 1. Can Kurtarma Teçhizatı

1	2	3	4	5	6
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Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
1	2	3	4	5	6
GTY/1.1 Can simitleri Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/7, — Kura III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) II, — IMO Karar MSC.97(73)-(2000 HS+C Kod) 8, — IMO MSC.1/Sirküler.1628.	-IMO Karar MSC.81 (70), güncellenmiş hali.	B+D B+E B+F		10.10.2026
GTY/1.1 Can simitleri Sıra 2/2  (YENİ SIRA) - Madde 1.10 ile birlikte kullanım için tasarlanmamıştır. - Madde 1.10 ile kombine kullanım için tasarlanmıştır.  Not: Kendinden aktif duman sinyalleri ve kendinden ateşlemeli fenerler için	Tip onay gereksinimleri -Kural III/4, -Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/7, — Kura III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) II, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO Karar MSC.481(102),	-IMO Karar MSC.81 (70), güncellenmiş hali, — IMO Karar MSC.481(102).	B+D B+E B+F	10.10.2023	

1	2	3	4	5	6
sağlanan hızlı bırakma düzeneğinin çalıştırılması amaçlanmışsa, bu öğeler 4 kg'den az olmayan kütleye sahip olmalıdır (ayrıca bkz. GTY/1.3)	— IMO MSC.1/Sirküler.1628.				
GTY/1.2a Can kurtarma donanımları için konum belirtme ışıkları -Kurtarma botları için Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.	-IMO Karar MSC.81 (70), güncellenmiş hali, — IEC 60945 düzeltme 1 (2008) içeren IEC 60945 (2002).  Veya:  — IMO Karar MSC.81(70), güncellenmiş hali, — IEC 60945 düzeltme 1 (2008) içeren IEC 60945 (2002).	B+D B+E B+F	13.9.2019	12.8.2023
GTY/1.2a Can kurtarma donanımları için konum belirtme ışıkları -Kurtarma botları için Sıra 2/2  Not: EN 60945 ve IEC 60945 Elektromanyetik uyumluluk testleri hariçtir ve sadece IMO Karar MSC 81(70), madde 10.4 'de belirtilenlere uygulanacaktır	Tip onay gereksinimleri -Kural III/4, -Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Sirküler.1628.	-IMO Karar MSC.81 (70), güncellenmiş hali, — IEC 60945 düzeltme 1 (2008) içeren IEC 60945 (2002). . — ISO 24408:2005  Veya;  — IMO Karar MSC.81(70), güncellenmiş hali, — IEC 60945 düzeltme 1 (2008) içeren IEC 60945 (2002). — ISO 24408:2005	B+D B+E B+F	12.8.2020	12.8.2023

1	2	3	4	5	6
<p>GTY/1.2b</p> <p>Can kurtarma donanımları için konum belirtme ışıkları</p> <p>- Can simitleri için</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7,</p> <p>— Kural III/22,</p> <p>— Kural III/32,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) II,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</p>	<p>-IMO Karar MSC.81 (70), güncellenmiş hali, — IEC 60945 düzeltme 1 (2008) içeren IEC 60945 (2002).</p> <p>Veya</p> <p>— IMO Karar MSC.81 (70), güncellenmiş hali, — IEC 60945 düzeltme 1 (2008) içeren IEC 60945 (2002).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	13.9.2019	12.8.2023
<p>GTY/1.2b</p> <p>Can kurtarma donanımları için konum belirtme ışıkları</p> <p>- Can simitleri için</p> <p>Sıra 2/2</p> <p>Not: EN 60945 ve IEC 60945 Elektromanyetik uyumluluk testleri hariçtir ve sadece IMO Karar MSC 81(70), madde 10.4 'de belirtilenlere uygulanacaktır.</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7,</p> <p>— Kural III/22,</p> <p>— Kural III/32,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) II,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p> <p>— IMO MSC.1/Circ.1628</p>	<p>— ISO 24408:2005</p> <p>Veya</p> <p>— IMO Karar MSC.81(70), güncellenmiş hali, — EN 60945:2002 IEC 60945 düzeltme 1 (2008)içeren 2008. — ISO 24408:2005</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	13.9.2019	12.8.2023

1	2	3	4	5	6
<p>GTY/1.2c</p> <p>Can kurtarma donanımları için konum belirtme ışıkları</p> <p>- Can yelekleri için</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7,</p> <p>— Kural III/22,</p> <p>— Kural III/26,</p> <p>— Kural III/32,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) II,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p> <p>— IMO MSC.1/Circ.1628</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p> <p>— IEC 60945 düzeltme 1 (2008)</p> <p>içeren IEC 60945 (2002).</p> <p>Veya</p> <p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p> <p>— IEC 60945 düzeltme 1 (2008)</p> <p>içeren IEC 60945 (2002).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>12.8.2023</p>
<p>GTY/1.2c</p> <p>Can kurtarma donanımları için konum belirtme ışıkları</p> <p>- Can yelekleri için</p> <p>Sıra 2/2</p> <p>Not: EN 60945 ve IEC 60945 Elektromanyetik uyumluluk testleri hariçtir ve sadece IMO Karar MSC 81(70), madde 10.4 'de belirtilenlere uygulanacaktır.</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7,</p> <p>— Kural III/22,</p> <p>— Kural III/26,</p> <p>— Kural III/32,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) II,</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p> <p>— IEC 60945 düzeltme 1 (2008)</p> <p>içeren IEC 60945 (2002),</p> <p>—ISO 24408:2005</p> <p>Veya</p> <p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p> <p>IEC 60945 düzeltme 1 (2008) içeren IEC 60945 (2002),</p> <p>—ISO 24408:2005</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.08.2020</p>	

1	2	3	4	5	6
	— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.				
GTY/1.3 Kendinden harekete geçer duman işaretli can simitleri Sıra 1/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) II, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</p>	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		12.8.2023
GTY/1.3 Kendinden harekete geçer duman işaretli can simitleri Sıra 2/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) II, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1628</p>	— IMO Karar MSC.81(70), güncellenmiş hali, — ISO 15736: 2006.	B+D B+E B+F	12.8.2020	
GTY/1.4 Can yelekleri Sıra 1/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p>	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		10.10.2026

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler922,</li> <li>— IMO MSC.1/Sirküler1304,</li> <li>— IMO MSC.1/Sirküler1470,</li> <li>— IMO MSC.1/Circ.1628</li> </ul>				
<p>GTY/1.4 Can yelekleri Sıra 2/2 (Yeni sıra)</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler922,</li> <li>— IMO MSC.1/Sirküler1304,</li> <li>— IMO MSC.1/Sirküler1470,</li> <li>— IMO MSC.1/Circ.1628</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> <li>— IMO Karar MSC.481(102).</li> </ul>			



1	2	3	4	5	6
<p>GTY/1.5a Can yeleđi ile giyilen dalgıç elbiseleri ve koruyucu elbiseler - İzolasyonsuz dalgıç elbiseleri Sıra 1/2</p>	<p>Tip onay gereksinimleri -Kural III/4, -Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri — Kural III/7, — Kural III/22, — Kural III/32, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) II, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC/Sirküler1046, — IMO MSC.1/Circ.1628.</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali,</p>	<p>B+D B+E B+F</p>		<p>10.10.2026</p>
<p>GTY/1.5a Can yeleđi ile giyilen dalgıç elbiseleri ve koruyucu elbiseler - İzolasyonsuz dalgıç elbiseleri Sıra 2/2 (Yeni sıra)</p>	<p>Tip onay gereksinimleri -Kural III/4, -Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri — Kural III/7, — Kural III/22, — Kural III/32, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) II, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102).</p>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.481(102)</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
<p>GTY/1.5b Can yeleđi ile giyilen dalgıç elbiseleri ve koruyucu elbiseler - İzolasyonlu dalgıç elbiseleri Sıra 1/2.</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> </ul>	<p>B+D B+E B+F</p>		10.10.2026
<p>GTY/1.5b Can yeleđi ile giyilen dalgıç elbiseleri ve koruyucu elbiseler - İzolasyonlu dalgıç elbiseleri Sıra 2/2.</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> <li>— IMO Karar MSC.481(102).</li> </ul>	<p>B+D B+E B+F</p>	10.10.2023	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.481(102).</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
<p>GTY/1.5c</p> <p>Can yeleđi ile giyilen dalgıç elbiseleri ve koruyucu elbiseler</p> <p>- koruyucu elbiseler</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		10.10.2026
<p>GTY/1.5c</p> <p>Can yeleđi ile giyilen dalgıç elbiseleri ve koruyucu elbiseler</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</li> <li>— IMO Karar MSC.481(102).</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	10.10.2023	

1	2	3	4	5	6
<p>- koruyucu elbiseler Sıra 2/2</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.481(102).</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
<p>GTY/1.6a Can yeleği olmadan giyilen dalgıç elbiseleri ve koruyucu elbiseler - İzolasyonsuz dalgıç elbiseleri Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<p>— IMO Karar MSC.81(70), güncellenmiş hali,</p>	<p>B+D B+E B+F</p>		<p>10.10.2026</p>

1	2	3	4	5	6
<p>GTY/1.6a</p> <p>Can yeleđi olmadan giyilen dalgıç elbiseleri ve koruyucu elbiseler</p> <p>- İzolasyonsuz dalgıç elbiseleri</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7,</p> <p>— Kural III/22,</p> <p>— Kural III/32,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) II,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p> <p>— IMO Karar MSC.481(102).</p> <p>— IMO MSC/Sirküler1046,</p> <p>— IMO MSC.1/Circ.1628.</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p> <p>— IMO Karar MSC.481(102).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	
<p>GTY/1.6b</p> <p>Can yeleđi olmadan giyilen dalgıç elbiseleri ve koruyucu elbiseler</p> <p>- İzolasyonlu dalgıç elbiseleri</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/7,</p> <p>— Kural III/22,</p> <p>— Kural III/32,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) II,</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
<p>GTY/1.6b</p> <p>Can yeleđi olmadan giyilen dalgıç elbiseleri ve koruyucu elbiseler</p> <p>- İzolasyonlu dalgıç elbiseleri</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</li> <li>— IMO Karar MSC.481(102).</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	10.10.2023	
<p>GTY/1.6c</p> <p>Can yeleđi olmadan giyilen dalgıç elbiseleri ve koruyucu elbiseler</p> <p>- Koruyucu elbiseler</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		10.10.2026

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
<p>GTY/1.6c</p> <p>Can yeleđi olmadan giyilen dalgıç elbiseleri ve koruyucu elbiseler</p> <p>- Koruyucu elbiseler</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/7,</li> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</li> <li>— IMO Karar MSC.481(102).</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	10.10.2023	
<p>GTY/1.7</p> <p>Isıdan koruyucu elbiseler Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/22,</li> <li>— Kural III/32,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</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 Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) II,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler1046,</li> <li>— IMO MSC.1/Circ.1628.</li> </ul>				
GTY/1.8 Paraşütlü işaret roketleri Sıra 1/2	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/6,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) III,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		12.8.2023
GTY/1.8 Paraşütlü işaret roketleri Sıra 2/2	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/6,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) III,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>—IMO MSC.1/Circ.1629.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> <li>— ISO 15736: 2006.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	12.8.2020	
GTY/1.9 El işaret fişekleri	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> </ul>	<p>B+D</p> <p>B+E</p>		12.8.2023



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Sıra 1/2	-Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) III, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.		B+F		
GTY/1.9 El işaret fişekleri Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) III, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, —IMO MSC.1/Circ.1629.	— IMO Karar MSC.81(70), güncellenmiş hali, — ISO 15736: 2006.	B+D B+E B+F	12.8.2020	
GTY/1.10 Yüzebilir duman işaretleri Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) III.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		12.8.2023
GTY/1.10 Yüzebilir duman işaretleri Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.	— IMO Karar MSC.81(70), güncellenmiş hali, — ISO 15736: 2006.	B+D B+E B+F	12.8.2020	

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	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/34,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) III,</li> <li>—IMO MSC.1/Circ.1629.</li> </ul>				
<p>GTY/1.11</p> <p>Halat atma tertibatları</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul>	<p>— IMO Karar MSC.81(70), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>12.8.2023</p>
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/18,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) VII,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</li> </ul>				
<p>GTY/1.11</p> <p>Halat atma tertibatları</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, — ISO 15736: 2006.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/18,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) VII,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8</li> <li>—IMO MSC.1/Circ.1633.</li> </ul>				

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GTY/1.12 Şişirilebilir can salları Sıra 1/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/13, — Kural III/21, — Kural III/26, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC/Sirküler811, — IMO MSC.1/Sirküler1328, —IMO MSC.1/Circ.1630.</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, Ve daha uzun servis aralıkları için: — IMO MSC.1/Sirküler1328.</p>	<p>B+D B+E B+F</p>		10.10.2026
GTY/1.12 Şişirilebilir can salları Sıra 2/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/13, — Kural III/21, — Kural III/26, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102) Ve daha uzun servis aralıkları için: — IMO MSC.1/Sirküler1328.</p>		10.10.2023	

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	<ul style="list-style-type: none"> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC/Sirküler811,</li> <li>— IMO MSC.1/Sirküler1328,</li> <li>—IMO MSC.1/Circ.1630.</li> </ul>				
GTY/1.13 Rijit can salları Sıra 1/-2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		10.10.2026
	Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/26, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8 —IMO MSC.1/Circ.1630.				
GTY/1.13 Rijit can salları Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102)	B+D B+E B+F	10.10.2023	
	Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/26, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV,	Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/26, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8,			

1	2	3	4	5	6
	<p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8</p> <p>—IMO MSC.1/Circ.1630.</p>	<p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) IV,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p> <p>— IMO Karar MSC.481(102),</p> <p>—IMO MSC.1/Circ.1630.</p>			
<p>GTY/1.14a</p> <p>Otomatik olarak kendi kendine doğrulabilen can sallarını (Self-righting)</p> <p>- Şişirilebilir</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/26,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) IV,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p> <p>— IMO MSC/Sirküler809,</p> <p>— IMO MSC/Sirküler811,</p> <p>— IMO MSC.1/Sirküler1328,</p> <p>—IMO MSC.1/Circ.1630.</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p> <p>Ve daha uzun servis aralıkları için:</p> <p>— IMO MSC.1/Sirküler1328.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		10.10.2026
<p>GTY/1.14a</p> <p>Otomatik olarak kendi kendine doğrulabilen can sallarını (Self-righting)</p> <p>- Şişirilebilir</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/26,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p> <p>— IMO Karar MSC.481(102)</p> <p>Ve daha uzun servis aralıkları için:</p> <p>— IMO MSC.1/Sirküler1328.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	10.10.2023	

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	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC/Sirküler809,</li> <li>— IMO MSC/Sirküler811,</li> <li>— IMO MSC.1/Sirküler1328,</li> <li>—IMO MSC.1/Circ.1630.</li> </ul>				
<p>GTY/1.14b</p> <p>Otomatik olarak kendi kendine doğrulabilen can sallarını (Self-righting)</p> <p>- Rijit</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/26,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC/Sirküler809,</li> <li>— IMO MSC/Sirküler811,</li> <li>— IMO MSC.1/Sirküler1328.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> </ul> <p>güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>10.10.2026</p>
<p>GTY/1.14b</p> <p>Otomatik olarak kendi kendine doğrulabilen can sallarını (Self-righting)</p> <p>- Rijit</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/26,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> </ul> <p>güncellenmiş hali,</p> <ul style="list-style-type: none"> <li>— IMO Karar MSC.481(102)</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

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	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC/Sirküler809,</li> <li>— IMO MSC/Sirküler811,</li> <li>— IMO MSC.1/Sirküler1328,</li> <li>—IMO MSC.1/Circ.1630.</li> </ul>				
GTY/1.15 Çadıklı çift taraflı kullanılabilen can salları Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/26, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC/Sirküler809, — IMO MSC/Sirküler811, — IMO MSC.1/Sirküler1328 —IMO MSC.1/Circ.1630.	— IMO Karar MSC.81(70), güncellenmiş hali, Ve daha uzun servis aralıkları için: — IMO MSC.1/Sirküler1328.	B+D B+E B+F		10.10.2026
GTY/1.15 Çadıklı çift taraflı kullanılabilen can salları Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/26, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I,	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102) Ve daha uzun servis aralıkları için: — IMO MSC.1/Sirküler1328.	B+D B+E B+F	10.10.2023	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC/Sirküler809,</li> <li>— IMO MSC/Sirküler811,</li> <li>— IMO MSC.1/Sirküler1328,</li> <li>—IMO MSC.1/Circ.1630.</li> </ul>				
GTY/1.16 Can salları için serbest yüzdürme düzenleri (hidrostatik serbest bırakma üniteleri) Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/13, — Kural III/26, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC/Sirküler811, — IMO MSC.1/Circ.1630.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		
GTY/1.17a Can filikaları Metaforalı can filikaları: -kısmen kapalı -tamamen kapalı Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8,	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO MSC/Sirküler1006.	B+D B+F G		10.10.2026



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	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC.1/Sirküler1423,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>				
<p>GTY/1.17a</p> <p>Can filikaları</p> <p>Mataforalı can filikaları:</p> <p>-kısmen kapalı</p> <p>-tamamen kapalı</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/21,</li> <li>— Kural III/31,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC.1/Sirküler1423,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC/Sirküler1006.</li> </ul>		10.10.2023	
<p>GTY/1.17b</p> <p>Can filikaları</p> <p>Serbest düşmeli can filikaları</p> <p>Sıra 1/42</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/21,</li> <li>— Kural III/31,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70), güncellenmiş hali,</li> <li>— IMO MSC/Sirküler1006.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>		10.10.2026

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC.1/Sirküler1423,</li> <li>— IMO MSC.1/Circ.1630.</li> </ul>				
GTY/1.17b Can filikalari Serbest düşmeli can filikalari Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO Karar MSC.481(102), — IMO MSC.1/Sirküler1423, — IMO MSC.1/Circ.1630.	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102), — IMO MSC/Sirküler1006.	B+D B+F G	10.10.2023	
GTY/1.17c Kurtarma botu olarak kullanılan mataforalı can filikalari -kısmen kapalı -tamamen kapalı Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.48(66)-(LSA Kod) V,	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO MSC/Sirküler1006.	B+D B+F G	15.08.2022	10.10.2026

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC.1/Sirküler1423,</li> <li>— IMO MSC.1/Circ.1630,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
<p>GTY/1.17c</p> <p>Kurtarma botu olarak kullanılan mataforalı can filikaları</p> <p>-kısmen kapalı</p> <p>-tamamen kapalı</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>— Kural III/21,</p> <p>— Kural III/31,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) IV,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) V,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p> <p>— IMO Karar MSC.481(102),</p> <p>— IMO MSC.1/Sirküler1423,</p> <p>— IMO MSC.1/Circ.1630,</p> <p>— IMO MSC.1/Circ.1631.</p>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</li> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC/Sirküler1006.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>	10.10.2023	
<p>GTY/1.18</p> <p>Rijit kurtarma botları</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/21,</p> <p>— Kural III/31,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) V,</p>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> <li>güncellenmiş hali,</li> <li>— IMO MSC/Sirküler1006.</li> </ul>	<p>B+D</p> <p>B+F</p> <p>G</p>		10.10.2026

1	2	3	4	5	6
	— IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1631.				
GTY/1.18 Rijit kurtarma botları Sıra 2/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO Karar MSC.481(102), — IMO MSC.1/Circ.1631.</p>	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102), — IMO MSC/Sirküler1006.	B+D B+F G	10.10.2023	
GTY/1.19 Şişebilir kurtarma botları Sıra 1/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1631.</p>	— IMO Karar MSC.81(70), güncellenmiş hali,— ISO 15372:2000.	B+D B+F G		10.10.2026

1	2	3	4	5	6
GTY/1.19 Şişebilir kurtarma botları Sıra 2/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO Karar MSC.481(102), — IMO MSC.1/Circ.1631.</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102), — ISO 15372:2000.</p>	<p>B+D B+F G</p>	10.10.2023	
GTY/1.20a Hızlı kurtarma botları -Şişebilir Sıra 1/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/26, — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO MSC/Sirküler1016, — IMO MSC/Sirküler1094, — IMO MSC.1/Circ.1631.</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, — ISO 15372:2000.</p>	<p>B+D B+F G</p>		10.10.2026
GTY/1.20a Hızlı kurtarma botları -Şişebilir Sıra 2/2	<p>Tip onay gereksinimleri</p> <p>-Kural III/4.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/26, — Kural III/34,</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102), — ISO 15372:2000.</p>	<p>B+D B+F G</p>	10.10.2023	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) V,</li> <li>— IMO Karar MSC.481(102),</li> <li>— IMO MSC/Sirküler1016,</li> <li>— IMO MSC/Sirküler1094,</li> <li>— IMO MSC.1/Circ.1631.</li> </ul>				
GTY/1.20b Hızlı kurtarma botları -Rijid Sıra 1/2	Tip onay gereksinimleri -Kural III/4. <hr/> Taşıma ve performans gereklilikleri — Kural III/26, — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO MSC/Sirküler1016, — IMO MSC/Sirküler1094, — IMO MSC.1/Circ.1631.	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO MSC/Sirküler1006.	B+D B+F G		10.10.2026
GTY/1.20b Hızlı kurtarma botları -Rijid Sıra 2/2	Tip onay gereksinimleri -Kural III/4. <hr/> Taşıma ve performans gereklilikleri — Kural III/26, — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, —IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.481(102), — IMO MSC/Sirküler1016, — IMO MSC/Sirküler1094, — IMO MSC.1/Circ.1631.	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102), — IMO MSC/Sirküler1006.	B+D B+F G	10.10.2023	

1	2	3	4	5	6
GTY/1.20c Hızlı kurtarma botları -Rijit-şişebilir Sıra 1/2	Tip onay gereksinimleri -Kural III/4. Taşıma ve performans gereklilikleri — Kural III/26, — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO MSC/Sirküler1016, — IMO MSC/Sirküler1094, — IMO MSC.1/Circ.1631.	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO MSC/Sirküler1006, — ISO 15372:2000.	B+D B+F G		10.10.2026
GTY/1.20c Hızlı kurtarma botları -Rijit-şişebilir Sıra 2/2	Tip onay gereksinimleri -Kural III/4. Taşıma ve performans gereklilikleri — Kural III/26, — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.481(102), — IMO MSC/Sirküler1016, — IMO MSC/Sirküler1094, — IMO MSC.1/Circ.1631.	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO Karar MSC.481(102), — IMO MSC/Sirküler1006, — ISO 15372:2000.	B+D B+F G	10.10.2023	
GTY/1.21	Tip onay gereksinimleri -Kural III/4, -Kural X/3.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		

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Serbest düşme özelliği ve vinç kullanılan atma tertibatları (matafora) Sıra 1/1	Taşıma ve performans gereklilikleri — Kural III/23, — Kural III/33, — Kural III/34,  — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) VI, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1632.		G		
GTY/1.22 Can kurtarma botları için yüzebilir indirme donanımları- GTY/9/1.3'e alınmıştır.					
GTY/1.23 Serbest düşmeli can filikalari için indirme donanımları Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3.  Taşıma ve performans gereklilikleri — Kural III/16, — Kural III/23, — Kural III/33, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) VI, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1632.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F G		
GTY/1.24 Can salı indirme donanımları (Mataforalar)	Tip onay gereksinimleri -Kural III/4, -Kural X/3.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		



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Sıra 1/1	Taşıma ve performans gereklilikleri — Kural III/12, — Kural III/16, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) VI, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1632.		G		
GTY/1.25 Hızlı kurtarma botu indirme donanımları (Mataforalar) Sıra 1/1	Tip onay gereksinimleri -Kural III/4, Taşıma ve performans gereklilikleri — Kural III/26, — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) VI, — IMO MSC.1/Circ.1632.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F G		
GTY/1.26a Serbest bırakma mekanizması: -Can filikaları ve kurtarma botları için (serbest düşme ile indirilen) Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/16, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1419,	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		

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	— IMO MSC.1/Circ.1630.				
GTY/1.26b Serbest bırakma mekanizması: - Can salları için (serbest düşme ile indirilen) Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/16, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1632.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		
GTY/1.26c Serbest bırakma mekanizması: - Serbest düşmeli can filikalari için Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/16, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO MSC.1/Circ.1630.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F		
GTY/1.27 Gemi terk sistemi Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+F G		

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	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/15,</li> <li>— Kural III/26,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li>   <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) VI,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>				
<p>GTY/1.28 Kurtarma donanımları Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/26,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) VI,</li> <li>— IMO MSC.1/Circ.1632.</li> </ul>	<p>— IMO Karar MSC.81(70), güncellenmiş hali,</p>	<p>B+D B+F</p>		
<p>GTY/1.29 Bindirme merdivenleri Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural III/11,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/11,</li> <li>— Kural III/34,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod),</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) VI,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod),</li> </ul>	<p>— IMO Karar MSC.81(70), güncellenmiş hali, — ISO 5489:2008.</p>	<p>B+D B+F</p>		

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	— IMO MSC.1/Sirküler1285, — IMO MSC.1/Circ.1630				
GTY/1.30 Işık yansıtıcı malzemeler Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.	— IMO Karar A.658(16), güncellenmiş hali,	B+D B+E B+F		15.8.2025
GTY/1.30 Işık yansıtıcı malzemeler Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8. IMO MSC.1/Sirküler.1628	— IMO Karar MSC.481(102).	B+D B+E B+F	15.8.2022	
GTY/1.31, Can kurtarma botu iki yönlü VHF telsiz teçhizatı – GTY/5.17, GTY/5.18’e alınmıştır.					
GTY/1.32, 9 GHz arama ve kurtarma radar göndericisi (SART) – GTY/4.18’e alınmıştır.					
GTY/1.33 Can filikalari ve kurtarma botlari için radar yansıtıcısı (pasif) Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar A.384(X), — IMO Karar MSC.36(63)-(1994 HSC Kod) 8,	— EN ISO 8729:1998, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, Ya da: — EN ISO 8729:1998, — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,	B+D B+E B+F		

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.48(66)-(LSA Kod) I,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) V,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.164(78).</li> </ul>	<p>Ya da:</p> <ul style="list-style-type: none"> <li>— ISO 8729-1:2010,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <p>Ya da:</p> <ul style="list-style-type: none"> <li>— ISO 8729-1:2010,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren IEC 60945:2002.</p>			
GTY/1.34, 'B' sınıfı can filikalari ve kurtarma botlari için pusula- GTY/4.23'e alınmiştir.					
GTY/1.35, Can filikalari ve kurtarma botlari için taşınabilir yangın söndürücü- GTY/3.38'e alınmıştır.					
GTY/1.36 Can filikası /kurtarma botu sevk makinası Sıra 1/1	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/34,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) V,</li> <li>—IMO MSC.1/Sirküler.1630.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> </ul> <p>güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
GTY/1.37 Kurtarma botu sevk makinası- kıçtan takma motor Sıra 1/1	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/34,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) V,</li> <li>—IMO MSC.1/Sirküler.1631.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> </ul> <p>güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
GTY/1.38	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO Karar MSC.81(70),</li> </ul> <p>güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		13.9.2022

1	2	3	4	5	6
Can filikalarında ve kurtarma botlarında kullanılacak projektör Sıra 1/2	Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.				
GTY/1.38 Can filikalarında ve kurtarma botlarında kullanılacak projektör Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.	— IMO Karar MSC.81(70), güncellenmiş hali, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, Ya da: — IMO Karar MSC.81(70), güncellenmiş hali, — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002.	B+D B+E B+F	13.9.2019	
GTY/1.39 İki yönlü kullanılabilir açık can salı Sıra 1/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.36(63)-(1994 HSC Kod) Ek 10, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO Karar MSC.97(73)-(2000 HSC Kod) Ek 11, — IMO MSC.1/Sirküler.1328.	— IMO Karar MSC.36(63) -(1994 HSC Kod) Ek 10, — IMO Karar MSC.97(73) -(2000 HSC Kod) Ek 11. Ve daha uzun servis aralıkları için: — IMO MSC.1/Sirküler.1328.	B+D B+F		<b>10.10.2026</b>

1	2	3	4	5	6
GTY/1.39 İki yönlü kullanılabilir açık can salı Sıra 2/2 (Yeni Sıra)	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar MSC.36(63)- (1994 HSC Kod) 8, — IMO Karar MSC.36(63)- (1994 HSC Kod) Ek 10, — IMO Karar MSC.48(66)- (LSA Kod) I, — IMO Karar MSC.97(73)- (2000 HSC Kod) 8, — IMO Karar MSC.97(73)- (2000 HSC Kod) Ek 11, — IMO Karar MSC.481(102) — IMO MSC.1/Sirküler.1328.</p>	<p>— IMO Karar MSC.36(63) -(1994 HSC Kod) Ek 10, — IMO Karar MSC.97(73) -(2000 HSC Kod) Ek 11. — IMO Karar MSC.481(102) Ve daha uzun servis aralıkları için: — IMO MSC.1/Sirküler.1328.</p>	<p>B+D B+F</p>	10.10.2023	
GTY/1.40, Mekanik yönlendirme vinci- GTY/4.48'e alınmıştır.					
GTY/1.41a Can filikaları ve kurtarma botları için vinçler - Mataforalı can filikaları Sıra 1/1	<p>Tip onay gereksinimleri</p> <p>-Kural III/4, -Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/16, — Kural III/23, — Kural III/24, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) VI,</p>	<p>— IMO Karar MSC.81(70), güncellenmiş hali,</p>	<p>B+D B+E B+F G</p>		

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</li> <li>— IMO MSC .1/Sirküler.1632.</li> </ul>				
GTY/1.41b Can filikalari ve kurtarma botlari için vinçler - Serbest düşmeli can filikalari Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/16, — Kural III/23, — Kural III/24, — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) VI. — IMO MSC .1/Sirküler.1632.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F G		
GTY/1.41c Can filikalari ve kurtarma botlari için vinçler - Can sallari Sıra 1/1	Tip onay gereksinimleri -Kural III/4, -Kural X/3. Taşıma ve performans gereklilikleri — Kural III/16, — Kural III/17, — Kural III/23, — Kural III/24, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) VI, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8. — IMO MSC .1/Sirküler.1632.	— IMO Karar MSC.81(70), güncellenmiş hali,	B+D B+E B+F G		



1	2	3	4	5	6
<p>GTY/1.41d</p> <p>Can filikaları ve kurtarma botları için vinçler</p> <p>- Kurtarma botları</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/16,</p> <p>— Kural III/17,</p> <p>— Kural III/23,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) VI,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		
<p>GTY/1.41e</p> <p>Can filikaları ve kurtarma botları için vinçler</p> <p>- Hızlı kurtarma botları</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/16,</p> <p>— Kural III/17,</p> <p>— Kural III/23,</p> <p>— Kural III/34,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) I,</p> <p>— IMO Karar MSC.48(66)-(LSA Kod) VI,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</p> <p>— IMO MSC .1/Sirküler.1632.</p>	<p>— IMO Karar MSC.81(70),</p> <p>güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		
<p>GTY/1.42, Binme merdiveni (Şeytan çarmıhı) - GTY/4.49'a alınmıştır.</p>					
<p>GTY/1.43</p>	<p>Tip onay gereksinimleri</p>	<p>— IMO Karar MSC.81(70),</p>	<p>B+D</p>		<p>15.8.2025</p>

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Rijit-şişebilir kurtarma botları Sıra 1/2	-Kural III/4, -Kural X/3.	güncellenmiş hali, — IMO MSC/Sirküler.1006, — ISO 15372:2000.	B+F G		
	Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.				
GTY/1.43 Rijit-şişebilir kurtarma botları Sıra 2/2	Tip onay gereksinimleri -Kural III/4, -Kural X/3.	— IMO Karar MSC.81(70), güncellenmiş hali, — IMO MSC/Sirküler.1006, — ISO 15372:2000 + A1:2021	B+D B+F G	15.8.2022	
	Taşıma ve performans gereklilikleri — Kural III/21, — Kural III/31, — Kural III/34, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8. — IMO MSC .1/Sirküler.1631.				

1	2	3	4	5	6
<p>GTY/1.44a</p> <p>Anons ve Genel Alarm Sistemleri (PAGA)</p> <p>— Kontrol ve Dağıtım Sistemi</p> <p>(Yangın alarm cihazı olarak kullanıldığında Madde A.1/3.53 uygulanacaktır.)</p> <p>Not: Sertifika, ekipmanın aşağıdaki gemi ve sistem kategorilerinden hangileri için uygun olduğunu belirtmelidir:</p> <p>Gemi:</p> <p>— Kargo Gemisi</p> <p>— Yolcu Gemisi (Limana güvenli dönüş hariç)</p> <p>— Kargo Gemisi (Limana güvenli dönüş dahil)</p> <p>Sistemler:</p>	<p>Tip onay gereksinimleri</p> <p>-Kural III/4,</p> <p>-Kural X/3,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 4,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 4,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</p>	<p>—EN 50695:2021,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002,</p> <p>—EN 61162 serileri:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008 + A1:2010 + A2:2014</p> <p>IEC 61162-450:2018,</p> <p>—EN IEC 62288:2022,</p> <p>—EN 62923-1:2018,</p> <p>—EN 62923-2:2018,</p> <p>Ya da:</p> <p>—EN 50695:2021,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren IEC 60945:2002,</p> <p>—IEC 61162 serileri:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Sürüm 1.0:1998-09</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
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<p>— Genel Alarm Sistemleri (GA)</p> <p>— Anons Sistemleri (PA)</p> <p>— Anons ve Genel Alarm Sistemleri (PA)</p> <p>2022/1157 (AB) sayılı Uygulama Yönetmeliği ile eklenen yeni madde (GTY/9/1.5'ten taşınmıştır)</p> <p>Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/12,</p> <p>— Kural II-2//21,</p> <p>— Kural II-2/22,</p> <p>— Kural III/6,</p> <p>— IMO Karar A.1021(26) 5,</p> <p>— IMO Karar MSC.48(66)- (LSA Kod) VII,</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 4,</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 4,</p> <p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 8,</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO MSC.1/Sirküler.808,</p> <p>— IMO MSC.1/Sirküler.1369/Ek.1.</p>	<p>IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>—IEC 62288 Sürüm 3.0:2021,</p> <p>—IEC 62923-1:2018,</p> <p>—IEC 62923-2:2018.</p>			
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1	2	3	4	5	6
<p>GTY/1.44b Anons ve Genel Alarm Sistemleri (PAGA) — Hoparlörler (Yangın alarm cihazı olarak kullanıldığında Madde A.1/3.53 uygulanacaktır.) 2022/1157 (AB) sayılı Uygulama Yönetmeliği ile eklenen yeni madde (GTY/9/1.5'ten taşınmıştır)</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>-Kural III/4,</li> <li>-Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 4,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 4,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/12,</li> <li>— Kural II-2//21,</li> <li>— Kural II-2/22,</li> <li>— Kural III/6,</li> <li>— IMO Karar A.1021(26) 5,</li> <li>— IMO Karar MSC.48(66)- (LSA Kod) VII,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 4,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 4,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirküler.808,</li> <li>— IMO MSC.1/Sirküler.1369/Ek.1.</li> </ul>	<p>—EN 50695:2021, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, Ya da: — EN 50695:2021, — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,</p>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
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## 2.Deniz Kirliliğini Önleme

Sıra No ve Teçhizat	Düzeltilmiş haliyle MARPOL73/78 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
1	2	3	4	5	6
GTY/2.1 Yakıt filtreleme donanımı (atık suda 15 p.p.m.'yi aşmayan bir yağ içeriği için) Sıra 1/1	Tip onay gereksinimleri - Kural 14, Ek I, Taşıma ve performans gereklilikleri - Kural 14, Ek I, — IMO MEPC.1/Sirküler 643.	— IMO Karar MEPC.107(49), güncellenmiş hali, — IMO MEPC.1/Sirküler .643.	B+D B+E B+F		
GTY/2.2 Yakıt - su ara yüz detektörü Sıra 1/1	Tip onay gereksinimleri - Kural 32, Ek I, Taşıma ve performans gereklilikleri - Kural 32, Ek I,	— IMO Karar MEPC.5(XIII).	B+D B+E B+F		

1	2	3	4	5	6
<p>GTY/2.3</p> <p>Yakıt içeriği ölçüm aleti</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>- Kural 14, Ek I,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>- Kural 14, Ek I,</p> <p>— IMO MEPC.1/Sirküler. 643.</p>	<p>— IMO Karar MEPC.107(49), güncellenmiş hali,</p> <p>— IMO MEPC.1/Sirküler. 643.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/2.4 Mevcut sintine separatörüne takılacak proses ünitesi (atık suda 15 p.p.m.'yi aşmayan yağ içeriği için) - İptal edilmiştir.</p>					
<p>GTY/2.5</p> <p>Petrol tankerleri için yağ boşaltımını izleme ve kontrol sistemi</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>- Kural 31, Ek I,</p> <p>— IMO MEPC.1/Sirküler.858.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>- Kural 31, Ek I.</p>	<p>— IMO Karar MEPC.108(49), güncellenmiş hali,,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/2.6a</p> <p>Pis su arıtma tesisi</p> <p>(Yolcu gemilerinin MARPOL EK IV özel alan dahil tüm alanlarda ki kullanımı için)</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>- Kural 9, Ek IV.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>- Kural 9, Ek IV.</p>	<p>— IMO Karar MEPC.227(64), Paragraf 4.2 dahil.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	16.3.2017	

1	2	3	4	5	6
<p>GTY/2.6b</p> <p>Pis su arıtma tesisi</p> <p>(Yolcu gemileri haricinde ki diğer gemilerin tüm alanlarında ve yolcu gemilerinin MARPOL EK IV özel alan dışındaki tüm alanlarında ki kullanım için)</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>- Kural 9, Ek IV.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>- Kural 9, Ek IV.</p>	<p>— IMO Karar MEPC.227(64), Paragraf 4.2 hariç.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>16.3.2017</p>	
<p>GTY/2.7</p> <p>Atık yakıcısı</p> <p>(4000 kW'a kadar kapasiteye sahip yakıcılar)</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>- Kural 16, Ek VI.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>- Kural 16, Ek VI.</p>	<p>— IMO Karar MEPC.244(66).</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>16.3.2017</p>	
<p>GTY/2.8</p> <p>NOx Teknik Kodu 2008'e göre gemiye kalıcı olarak</p>	<p>Tip onay gereksinimleri</p> <p>— IMO Karar MEPC.176(58) – (Revize edilmiş haliyle Kural 13, Ek VI).</p>	<p>— IMO Karar MEPC.177(58), (NOx Teknik Kodu 2008), güncellenmiş hali.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		



1	2	3	4	5	6
yerleştirilmiş ve gemide kullanılan NOx analizörü Sıra 1/1	Taşıma ve performans gereklilikleri — IMO Karar MEPC.176(58) – (Revize edilmiş haliyle Kural 13, Ek VI).  — IMO Karar MEPC.177(58) (NOx Teknik Kodu 2008),  — IMO Karar MEPC.198(62).				
GTY/2.9 SOx emisyonlarını sınırlandırmak için diğer teknolojik yöntemleri kullanan ekipman, - GTY/9/2.4'e taşınmıştır.					
GTY/2.10 Gemide Egzoz Gazı Temizleme Sistemleri Sıra 1/2	Tip onay gereksinimleri — IMO Karar MEPC.176(58) – (Revize edilmiş haliyle Kural 4, Ek VI). — IMO Karar MEPC.259(68).  Taşıma ve performans gereklilikleri — IMO Karar MEPC.176(58) – (Revize edilmiş haliyle Kural 4, Ek VI).	— IMO Karar MEPC.259(68).	Şema A:  B+F  G  Şema B:  G	19.6.2018	10.10.2026
GTY/2.10 Gemide Egzoz Gazı Temizleme Sistemleri Sıra 2/2	Tip onay gereksinimleri — IMO Karar MEPC.176(58) – (Revize edilmiş haliyle Kural 4, Ek VI). — IMO Karar MEPC.340(77).		Şema A:  B+F  G	10.10.2023	

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(Yeni Sıra)	Taşıma ve performans gereklilikleri — IMO Karar MEPC.176(58) – (Revize edilmiş haliyle Kural 4, Ek VI).		Şema B:  G		
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### 3. YANGINDAN KORUNMA TEÇHİZATI

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
1	2	3	4	5	6
GTY/3.1 İlk kat güverte kaplaması Sıra 1/1	Tip onay gereksinimleri — Kural II-2/4, — Kural II-2/6, — Kural X/3.  Taşıma ve performans gereklilikleri — Kural II-2/4, — Kural II-2/6, — IMO Karar MSC.36 (63) - (1994 HSC Kod) 7, — IMO Karar MSC.97 (73) - (2000 HSC Kod) 7.	— IMO Karar MSC.307 (88) - (2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F		

1	2	3	4	5	6
<p>GTY/3.2</p> <p>Taşınabilir yangın söndürücüler</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 4.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/4,</li> <li>— Kural II-2/10,</li> <li>— Kural II-2/18,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20,</li> <li>— IMO Karar A.951(23),</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,— IMO Karar MSC.98 (73) - (FSS Kod) 4,— IMO Karar MSC.391 (95) - (IGF Kod) 11,</li> <li>— IMO MSC/Sirküler.1239,</li> <li>— IMO MSC/Sirküler.1275.</li> </ul>	<ul style="list-style-type: none"> <li>— A1:2007 içeren EN 3-7:2004,</li> <li>— AC:2007 içeren EN 3-8:2006,</li> <li>— AC:2007 içeren EN 3-9:2006,</li> <li>— EN 3-10:2009.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>15.8.2025</p>
<p>GTY/3.2</p> <p>Taşınabilir yangın söndürücüler</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 4.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/4,</li> <li>— Kural II-2/10,</li> </ul>	<ul style="list-style-type: none"> <li>— A1:2007 içeren EN 3-7:2004,</li> <li>— EN 3-8:2021,</li> <li>— AC:2007 içeren EN 3-9:2006,</li> <li>— EN 3-10:2009.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— Kural II-2/18,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20,</li> <li>— IMO Karar A.951(23),</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 4,</li> <li>— IMO Karar MSC.391 (95) - (IGF Kod) 11,</li> <li>— IMO MSC/Sirküler.1239,</li> <li>— IMO MSC/Sirküler.1275.</li> </ul>				
GTY/3.3a  İtfaiyeci donanımı: Koruyucu itfaiyeci elbisesi (yakın çalışma elbisesi)	Tip onay gereksinimleri <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>	— A1:2006 ve AC:2006 içeren EN 469:2005.	B+D B+E B+F		25.8.2024
Sıra 1/2	Taşıma ve performans gereklilikleri <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>				
GTY/3.3a  İtfaiyeci donanımı:	Tip onay gereksinimleri <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>	— EN 469:2020	B+D B+E B+F	25.8.2021	

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<p>Koruyucu itfaiyeci elbisesi (yakın çalışma elbisesi) Sıra 2/2</p>	<p>Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36 (63) - (1994 HSC Kod) 7, — IMO Karar MSC.97 (73) - (2000 HSC Kod) 7, — IMO Karar MSC.98 (73) - (FSS Kod) 3.</p>				
<p>GTY/3.3b  İtfaiyeci donanımı: Koruyucu itfaiyeci elbisesi (yakın çalışma elbisesi) Yangınla mücadele için korucu elbise: Özel yangınla mücadele için reflektörlü elbise Sıra 1/1</p>	<p>Tip onay gereksinimleri — Kural II-2/10, — Kural X/3, — IMO Karar MSC.98 (73) - (FSS Kod) 3.</p> <p>Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36 (63) - (1994 HSC Kod) 7, — IMO Karar MSC.97 (73) - (2000 HSC Kod) 7, — IMO Karar MSC.98 (73) - (FSS Kod) 3.</p>	<p>— EN 1486:2007.</p>	<p>B+D B+E B+F</p>		

1	2	3	4	5	6
<p>GTY/3.3c</p> <p>İtfaiyeci donanımı: Koruyucu itfaiyeci elbisesi (yakın çalışma elbisesi)</p> <p>Yangınla mücadele için korucu elbise: reflektörlü dış yüzeye sahip koruyucu elbise Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>	<p>— ISO 15538:2001.</p> <p>Not: Seviye 2.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.4</p> <p>İtfaiyeci donanımı: İtfaiyeci ayakkabısı (çizmesi) Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural II-2/15,</li> <li>— IMO Karar MSC.4(48)-(IBC Kod) 11,</li> <li>— IMO Karar MSC.5(48)-(IGC Kod) 11</li> </ul>	<p>— EN 15090:2012.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>				
GTY/3.5  İtfaiyeci donanımı: İtfaiyeci eldiveni Sıra 1/1	Tip onay gereksinimleri <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>	<ul style="list-style-type: none"> <li>— A1:2008 ve AC:2009 içeren EN 659:2003.</li> </ul>	B+D B+E B+F		
	Taşıma ve performans gereklilikleri <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural II-2/15,</li> <li>— IMO Karar MSC.4(48)-(IBC Kod) 11,</li> <li>— IMO Karar MSC.5(48)-(IGC Kod) 11</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>				
GTY/3.6  İtfaiyeci donanımı: İtfaiyeci bareti Sıra 1/1	Tip onay gereksinimleri <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 443:2008.</li> </ul>	B+D B+E B+F		

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural II-2/15,</li> <li>— IMO Karar MSC.4(48)-(IBC Kod) 11,</li> <li>— IMO Karar MSC.5(48)-(IGC Kod) 11</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul>				
<p>GTY/3.7 Kendinden basınçlı havalı solunum cihazı Not: Tehlikeli maddelerin yer aldığı kazalarda kullanım için pozitif basınçlı tip maske gereklidir. (Madde 7.1'e bakınız) Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural II-2/15,</li> <li>— Kural II-2/19,</li> <li>— IMO Karar MSC.4(48)-(IBC Kod) 11,</li> <li>— IMO Karar MSC.5(48)-(IGC Kod) 11,</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97 (73) - (2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 3,</li> </ul>	<p>— ISO 23269-2:2011 (sadece deniz yangın kullanımı)</p> <p>Tip 1 maske GTY/3.7 ya da GTY/7.1 için kullanılmalıdır.</p> <p>Not: ISO 23269 § 4.28 tarafından talep edilen ilgili yanmaz cankurtaran halatı, kural GTY 3.44'e göre GTY sertifikalı olmalıdır, solunum cihazı ile birlikte kullanılmalıdır ve aparatın emniyet kemerine veya ayrı bir kemere, cankurtaran halatı çalıştırıldığında solunum cihazının ayrılmasını önlemek için, bir yaylı kanca ile takılabilmelidir.</p>	<p>B+D B+E B+F</p>		



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	<ul style="list-style-type: none"> <li>— IMO MSC.1/Sirküler.1499,</li> <li>— IMO MSC.1/Sirküler.1555.</li> </ul>	Solunum cihazı modül B, GTY yanmaz yaşam hattını zorunlu birleşik bileşen olarak göstermelidir.			
GTY/3.8 Basınçlı hava hattı solunum cihazı Sıra 1/1	Tip onay gereksinimleri <ul style="list-style-type: none"> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7.</li> </ul> Not: Bu teçhizat sadece 1994 HSC kodu kuralına göre üretilen yüksek hızlı tekneler içindir.	<ul style="list-style-type: none"> <li>— EN 14593-1:2018.</li> </ul> Ya da: <ul style="list-style-type: none"> <li>— EN 14594:2018</li> </ul>	B+D B+E B+F	13.9.2019	
	Taşıma ve performans gereklilikleri <ul style="list-style-type: none"> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod) 7,</li> </ul>				

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<p>GTY/3.9 SOLAS Kural II-2/12'de belirtilenlere eşdeğer olan yaşama mahalleri, hizmet mahalleri ve kontrol istasyonları için yağmurlama (sprinkler) sistemi bileşenleri (nozullar ve performansları ile sınırlıdır)</p> <p>(Yüksek hızlı teknelerde ki [HSC] sabit yağmurlama [sprinkler] sistemleri için nozullar bu madde kapsamındadır.)</p> <p>Not: Mevcut tesisatların yedek parçaları olarak kullanılan ürünler için, gemiye yerleştirme sırasındaki ilgili standartlar uygulanmaya devam edilebilir.</p> <p>Sıra1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7</li> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 8.</li> </ul>	<p>— IMO Karar A.800(19), güncellenmiş hali.</p>	<p>B+D B+E B+F</p>		
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/9,</li> <li>— Kural II-2/10,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.44(65),</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 8,</li> <li>— IMO MSC/Sirküler.912,</li> <li>— IMO MSC/Sirküler. 1556.</li> </ul>				

1	2	3	4	5	6
<p>GTY/3.10</p> <p>Makina dairesi ve yük pompa odaları için sabit basınçlı su püskürtmeli yangın söndürme sistemi nozulları</p> <p>Not: Mevcut tesisatların yedek parçaları olarak kullanılan ürünler için, gemiye yerleştirme sırasındaki ilgili standartlar uygulanmaya devam edilebilir.</p> <p>Sıra1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98 (73) - (FSS Kod) 7.</li> </ul>	<p>— IMO MSC/Sirküler 1165, güncellenmiş hali.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 7,</li> <li>— IMO Karar MSC.391(95)-(IGF Kod) 11,</li> <li>— IMO MSC.1/Sirküler.1313.</li> </ul>				
<p>GTY/3.11a</p> <p>“A” ve “B” sınıfı yangın bölmeleri</p> <p>— “A” sınıfı bölmeler</p> <p>Sıra1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3.2,</li> <li>— IMO Karar MSC/Sirküler.1120.</li> </ul>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali</p> <p>— IMO MSC.1/Sirküler.1435.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		18.5.2025
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3.2,</li> <li>— Kural II-2/9,</li> <li>— IMO MSC.1/Sirküler.1120,</li> <li>— IMO MSC.1/Sirküler.1434,</li> <li>— IMO MSC.1/Sirküler.1616.</li> </ul>				

1	2	3	4	5	6
<p>GTY/3.11a “A” ve “B” sınıfı yangın bölmeleri — “A” sınıfı bölmeler</p> <p>Sıra2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/3.2, — IMO Karar MSC/Sirküler.1120.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/3.2, — Kural II-2/9, — IMO MSC.1/Sirküler.1120, — IMO MSC.1/Sirküler.1434, — IMO MSC.1/Sirküler.1616, — IMO MSC.1/Sirküler.1621.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali — IMO MSC.1/Sirküler.1435.</p>	<p>B+D B+E B+F</p>	<p>18.5.2022</p>	
<p>GTY/3.11b “A” ve “B” sınıfı yangın bölmeleri — “B” sınıfı bölmeler Not: B sınıfı bir perdenin sadece bir taraftan test edildiği ve test edilmemiş tarafın başka bir B sınıfı perdenin test edilmemiş tarafına bitişik olarak monte edilmek üzere tasarlandığı durumlarda, EC tip inceleme sertifikası, SOLAS Bölüm II-2/.9.2 Termal ve Yapısal Sınırlar'da yer alan ilgili yangın bütünlüğü tablolarında</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/3.4, — IMO Karar MSC/Sirküler.1120.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/3.4, — Kural II-2/9, — IMO MSC.1/Sirküler.1120, — IMO MSC.1/Sirküler.1581.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali</p>	<p>B+D B+E B+F</p>		

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belirtilen koruma seviyesinin her zaman yerine getirilmesini sağlayacak şekilde gemiye monte edilebileceği koşulları içermelidir. Sıra1/1					
GTY/3.12a Petrol tankerlerinde yük tanklarına alev girmesini önleyici cihazlar  —P/V vanaları Sıra 1/2	Tip onay gereksinimleri  — Kural II-2/4, — Kural II-2/16,  Taşıma ve performans gereklilikleri  — Kural II-2/4, — Kural II-2/16, — IMO Karar MSC.98(73)-(FSS Kod) 15,	— IMO MSC/Sirküler. 677, güncellenmiş hali, — EN ISO 16852:2016, — ISO 15364:2016.	B+F	19.6.2018	25.8.2024
GTY/3.12a Petrol tankerlerinde yük tanklarına alev girmesini önleyici cihazlar  —P/V vanaları Sıra 2/2	Tip onay gereksinimleri  — Kural II-2/4, — Kural II-2/16,  Taşıma ve performans gereklilikleri  — Kural II-2/4, — Kural II-2/16, — IMO Karar MSC.98(73)-(FSS Kod) 15,	— IMO MSC/Sirküler .677, güncellenmiş hali, — EN ISO 16852:2016, — ISO 15364:2021.	B+F	25.8.2021	

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/4,</li> <li>— Kural II-2/16,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 15,</li> </ul>				
<p>GTY/3.12b</p> <p>Petrol tankerlerinde yük tanklarına alev girmesini önleyici cihazlar</p> <p>— alev tutucular</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/4,</li> <li>— Kural II-2/16.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/4,</li> <li>— Kural II-2/16,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 15,</li> </ul>	<p>— IMO MSC/Sirküler.677, güncellenmiş hali,</p> <p>— EN ISO 16852:2016.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	
<p>GTY/3.12c</p> <p>Petrol tankerlerinde yük tanklarına alev girmesini önleyici cihazlar</p> <p>— patlama önleyici alev tutucular</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/4,</li> <li>— Kural II-2/16.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/4,</li> <li>— Kural II-2/16,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 15,</li> </ul>	<p>— IMO MSC/Sirküler.677, güncellenmiş hali,</p> <p>— EN ISO 16852:2016.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	

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<p>GTY/3.12d</p> <p>Petrol tankerlerinde yük tanklarına alev girmesini önleyici cihazlar</p> <p>— yüksek hızlı havaldırma valfleri</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4, — Kural II-2/16.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4, — Kural II-2/16, — IMO Karar MSC.98(73)-(FSS Kod) 15,</p>	<p>— IMO MSC/Sirküler.677, güncellenmiş hali, — EN ISO 16852:2016. — ISO 15364:2016.</p>	B+F	19.6.2018	25.8.2024
<p>GTY/3.12d</p> <p>Petrol tankerlerinde yük tanklarına alev girmesini önleyici cihazlar</p> <p>— yüksek hızlı havaldırma valfleri</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4, — Kural II-2/16.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4, — Kural II-2/16, — IMO Karar MSC.98(73)-(FSS Kod) 15,</p>	<p>— IMO MSC/Sirküler.677, güncellenmiş hali, — EN ISO 16852:2016. — ISO 15364:2021.</p>	B+F	25.8.2021	

1	2	3	4	5	6
GTY/3.13 Yanmaz malzemeler Sıra 1/1	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/3, — Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/3, — Kural II-2/5, — Kural II-2/9, —IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.</p>	<p>B+D B+E B+F</p>		
GTY/3.14 “A” veya “B” sınıfı bölmelerden geçen borular için çelik haricindeki malzemeler. – Madde GTY/3.26 ve GTY/3.27’ye alınmıştır.					
GTY/3.15a Yağ veya yakıt taşıyan borular için çelik haricindeki malzemeler —boru ve bağlantı elemanları Sıra 1/1	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4, — Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 10, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 10,</p>	<p>— IMO Karar A.753(18), güncellenmiş hali, — IMO Karar MSC.307(88)-(2010 FTP Kod) güncellenmiş hali,</p>	<p>B+D B+E B+F</p>		



1	2	3	4	5	6
	— IMO MSC/Sirküler.1120.				
GTY/3.15b Yağ veya yakıt taşıyan borular için çelik haricindeki malzemeler —vanalar Sıra 1/1	Tip onay gereksinimleri — Kural II-2/4, — Kural X/3. Taşıma ve performans gereklilikleri — Kural II-2/4, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 10, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 10, — IMO MSC/Sirküler.1120.	— EN ISO 10497:2010.	B+D B+E B+F		
GTY/3.15c Yağ veya yakıt taşıyan borular için çelik haricindeki malzemeler —esnek boru sistemleri ve kompensatörler Sıra 1/1	Tip onay gereksinimleri — Kural II-2/4, — Kural X/3. Taşıma ve performans gereklilikleri — Kural II-2/4, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 10, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,	Esnek boru sistemleri: — EN ISO 15540:2001, — EN ISO 15541:2001.	B+D B+E B+F	19.6.2018	

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	<p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 10, — IMO MSC/Sirküler.1120.</p>				
<p>GTY/3.15d Yağ veya yakıt taşıyan borular için çelik haricindeki malzemeler —esnek ve elastomerik contalara sahip metalik boru bileşenleri Not: Mevcut tesisatların yedek parçaları olarak kullanılan ürünler için, gemiye yerleştirme sırasındaki ilgili standartlar uygulanmaya devam edilebilir. Sıra 1/1</p>	<p>Tip onay gereksinimleri  — Kural II-2/4, — Kural X/3.</p> <p>Taşıma ve performans gereklilikleri  — Kural II-2/4, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 10, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 10, — IMO MSC/Sirküler.1120, — IMO MSC/Sirküler.1527.</p>	<p>— ISO 19921:2005, — ISO 19922:2005.</p>	<p>B+D B+E B+F</p>		
<p>GTY/3.16 Yangın kapıları Sıra 1/1 Not: Yangın kapısı kontrol sistemleri GTY/3.17 maddesine göre uygunluk değerlendirmesine tabidir.</p>	<p>Tip onay gereksinimleri  — Kural II-2/9.</p> <p>Taşıma ve performans gereklilikleri  — Kural II-2/9, — IMO MSC/Sirküler.1511.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali, — IMO MSC.1/Sirküler.1319</p>	<p>B+D B+E B+F</p>		

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<p>GTY/3.17</p> <p>Yangın kapısı kontrol sistemi bileşenleri</p> <p>Not: 'Sistem bileşenleri' terimi kullanıldığında, uluslararası gerekliliklerin yerine getirildiğinden emin olmak için tek bir bileşenin, bir grup bileşenin veya tüm sistemin test edilmesi gerekebilir.</p> <p>Not: Mevcut tesislerin yedek parçaları olarak kullanılan ürünler için, gemiye yerleştirme sırasındaki ilgili standartlar uygulanmaya devam edilebilir. Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/9,</p> <p>— Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/9,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.18a</p> <p>Düşük alev yayma özellikli zemin ve yüzey kaplama malzemeleri</p> <p>— dekoratif kaplamalar</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/3,</p> <p>— Kural II-2/5,</p> <p>— Kural II-2/6,</p> <p>— Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/3,</p> <p>— Kural II-2/5,</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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	<ul style="list-style-type: none"> <li>— Kural II-2/6,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO MSC/Sirküler.1120.</li> </ul>				
<p>GTY/3.18b</p> <p>Düşük alev yayma özellikli zemin ve yüzey kaplama malzemeleri</p> <p>— boya sistemleri</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/6,</li> <li>— Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/6,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO MSC/Sirküler.1120.</li> </ul>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.18c</p> <p>Düşük alev yayma özellikli zemin ve yüzey kaplama malzemeleri</p> <p>— zemin kaplamaları</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/6,</li> <li>— Kural X/3.</li> </ul>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/6,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO MSC/Sirküler.1120.</li> </ul>				
<p>GTY/3.18d</p> <p>Düşük alev yayma özellikli zemin ve yüzey kaplama malzemeleri</p> <p>— boru izole kaplamaları</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO MSC/Sirküler.1120.</li> </ul>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.18e</p> <p>Düşük alev yayma özellikli zemin ve yüzey kaplama malzemeleri</p> <p>— ‘A’, ‘B’, ‘C’ sınıfı bölmelerin yapımında kullanılan yapıştırıcılar</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/9,</li> <li>— Kural X/3.</li> </ul>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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Sıra 1/1	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/9,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO MSC/Sirküler.1120.</li> </ul>				
<p>GTY/3.18f</p> <p>Düşük alev yayma özellikli zemin ve yüzey kaplama malzemeleri</p> <p>— Yanıcı kanal membranı</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/9,</li> <li>— Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/3,</li> <li>— Kural II-2/5,</li> <li>— Kural II-2/9,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO MSC/Sirküler.1120.</li> </ul>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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GTY/3.19 Kumaş, perde ve diğer asılı tekstil malzemeleri ve filmleri Sıra 1/1	Tip onay gereksinimleri — Kural II-2/3, — Kural II-2/9, — Kural X/3.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali. — IMO MSC.1/Sirküler.1456, güncellenmiş hali.	B+D B+E B+F		
	Taşıma ve performans gereklilikleri — Kural II-2/3, — Kural II-2/9, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.				
GTY/3.20 Döşemeli mobilyalar Sıra 1/1	Tip onay gereksinimleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — Kural X/3.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F		12.8.2023
	Taşıma ve performans gereklilikleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,				
GTY/3.20a Döşemeli mobilyalar	Tip onay gereksinimleri — Kural II-2/3,	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F	12.8.2020	

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— komple mobilya (kapak malzemesi, dolgu malzemesi, yanıcı olmayan raf dahil) Sıra 1/1	— Kural II-2/5, — Kural II-2/9, — Kural X/3. Taşıma ve performans gereklilikleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,				
GTY/3.20b Döşemeli mobilyalar — herhangi bir dolgu malzemesi için kaplama malzemesi Sıra 1/1	Tip onay gereksinimleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — Kural X/3. Taşıma ve performans gereklilikleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F	12.8.2020	
GTY/3.20c Döşemeli mobilyalar — alev geciktirici dolgu malzemesi için kaplama malzemesi(daha fazla uygulama için özel	Tip onay gereksinimleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — Kural X/3.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F	12.8.2020	



1	2	3	4	5	6
kombinyonda test edilmiştir) Sıra 1/1	Taşıma ve performans gereklilikleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,				
GTY/3.20d Döşemeli mobilyalar — alev geciktirici dolgu malzemesi Sıra 1/1	Tip onay gereksinimleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — Kural X/3. Taşıma ve performans gereklilikleri — Kural II-2/3, — Kural II-2/5, — Kural II-2/9, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,	— IMO Karar MSC.307(88)-(2010 FTP Kod), Ek 1Bölüm 8 İlave 3 güncellenmiş hali.	B+D B+E B+F	12.8.2020	
GTY/3.21 Yatak takımları Not: Mevcut tesisatların yedek parçaları olarak kullanılan ürünler için, gemiye yerleştirme	Tip onay gereksinimleri — Kural II-2/3, — Kural II-2/9, — Kural X/3.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F		

1	2	3	4	5	6
sırasındaki ilgili standartlar uygulanmaya devam edilebilir. Sıra 1/1	Taşıma ve performans gereklilikleri — Kural II-2/3, — Kural II-2/9, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,				
GTY/3.22 Yangın damperleri Sıra 1/1	Tip onay gereksinimleri — Kural II-2/9.  Taşıma ve performans gereklilikleri — Kural II-2/9.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F		
Madde GTY/3.23 ‘A’ sınıfı bölme geçişleri için yanmaz kanallar – iptal edilmiştir.					
Madde GTY/3.24 ‘A’ sınıfı bölme geçişleri için elektrik kablosu geçiş elemanları – iptal edilmiştir.					
GTY/3.25 ‘A’ ve ‘B’ sınıfı yangına dayanıklı camlar ve lumbuzlar Sıra 1/1	Tip onay gereksinimleri — Kural II-2/9.  Taşıma ve performans gereklilikleri — Kural II-2/9, — IMO Karar MSC.5(48)-(IGC Kod) 3, — IMO MSC/Sirküler.1120.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali.	B+D B+E B+F		

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<p>GTY/3.26a</p> <p>“A” sınıfı bölmelerden geçişler:</p> <p>—elektrik kablo geçişleri</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/9.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural. II-2/9.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p> <p>— IMO MSC.1/Sirküler.1488.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.26b</p> <p>“A” sınıfı bölmelerden geçişler:</p> <p>— boru, kanal, gövde, vb. geçişleri</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/9.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural. II-2/9,</p> <p>— IMO MSC/Sirküler.1276.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p> <p>— IMO MSC.1/Sirküler.1488.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.26c</p> <p>“A” sınıfı bölmelerden geçişler:</p> <p>— busbar trunking geçiş sistemleri</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/9.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural. II-2/9.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p> <p>— IMO MSC.1/Sirküler.1488.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.27a</p> <p>“B” sınıfı bölmelerden geçişler:</p> <p>—elektrik kablo geçişleri</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/9.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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Sıra 1/1	Taşıma ve performans gereklilikleri — Kural. II-2/9.				
GTY/3.27b “A” sınıfı bölmelerden geçişler: — boru, kanal, gövde, vb. geçişleri Sıra 1/1	Tip onay gereksinimleri — Kural II-2/9. Taşıma ve performans gereklilikleri — Kural. II-2/9.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,	B+D B+E B+F		
GTY/3.28 Yağmurlama (sprinkler) sistemleri (sprinkler başlıkları ile sınırlı) (Yüksek hızlı tekneler için sabit sprinkler sistemleri de dahildir.)	Tip onay gereksinimleri — Kural II-2/7, — Kural II-2/10, — Kural X/3.	— ISO 6182-1:2014. Ya da: — A1:2001, A2:2004 ve A3:2006 içeren EN 12259-1:1999.	B+D B+E B+F		15.8.2025

1	2	3	4	5	6
<p>Not: Mevcut tesisatların yedek parçaları olarak kullanılan ürünler için, gemiye yerleştirme sırasındaki ilgili standartlar uygulanmaya devam edilebilir.</p> <p>Sıra 1/2</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural. II-2/7,</li> <li>— Kural. II-2/10,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod)7,</li> <li>— IMO Karar MSC.44(65),</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 8,</li> <li>— IMO MSC/Sirküler.912,</li> <li>— IMO MSC.1/Sirküler.1556.</li> </ul>				
<p>GTY/3.28</p> <p>Yağmurlama (sprinkler) sistemleri (sprinkler başlıkları ile sınırlı)</p> <p>(Yüksek hızlı tekneler için sabit sprinkler sistemleri de dahildir.)</p> <p>Not: Mevcut tesisatların yedek parçaları olarak kullanılan ürünler için, gemiye yerleştirme sırasındaki ilgili standartlar uygulanmaya devam edilebilir.</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/10,</li> <li>— Kural X/3.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural. II-2/7,</li> <li>— Kural. II-2/10,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod)7,</li> <li>— IMO Karar MSC.44(65),</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 8,</li> <li>— IMO MSC/Sirküler.912,</li> <li>— IMO MSC.1/Sirküler.1556.</li> </ul>	<p>— ISO 6182-1:2021.</p> <p>Ya da:</p> <ul style="list-style-type: none"> <li>— A1:2001, A2:2004 ve A3:2006</li> </ul> <p>içeren EN 12259-1:1999.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
<p>GTY/3.29</p> <p>Yangın hortumları</p> <p>— Sızıntı yapmayan düz yangın söndürme hortumları (iç çap aralığı 25 mm'den 52 mm'ye kadar)</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural. II-2/10,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod)7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7.</p>	<p>— EN 14540:2014.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.30a</p> <p>Taşınabilir oksijen analiz ve gaz algılama teçhizatı:</p> <p>— Kategori 1 (güvenli alan)</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— Kural XI-1/7.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— Kural XI-1/7.</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 15,</p> <p>— IMO MSC.1/Sirküler.1477,</p> <p>— IMO MSC.1/Sirküler.1581.</p>	<p>— EN 50104:2010,</p> <p>— EN 60079-29-1:2016,</p> <p>— IEC 60945 düzeltme1:2008</p> <p>içeren EN 60945:2002,</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren IEC 60945:2002,</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>12.8.2020</p>	<p>25.8.2024</p>
<p>GTY/3.30a</p> <p>Taşınabilir oksijen analiz ve gaz algılama teçhizatı:</p> <p>— Kategori 1 (güvenli alan)</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p>	<p>— EN 50104:2019,</p> <p>— EN 60079-29-1:2016,</p> <p>— IEC 60945 düzeltme1:2008</p> <p>içeren EN 60945:2002,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
	<p>— Kural XI-1/7.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— Kural XI-1/7.</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 15,</p> <p>— IMO MSC.1/Sirküler.1477,</p> <p>— IMO MSC.1/Sirküler.1581.</p>	<p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>			
<p>GTY/3.30b</p> <p>Taşınabilir oksijen analiz ve/veya gaz algılama teçhizatı:</p> <p>— Kategori 2 (patlayıcı gaz ortamları)</p> <p>Sıra 1/4</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— Kural XI-1/7.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— Kural XI-1/7.</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 15,</p> <p>— IMO MSC.1/Sirküler1477,</p> <p>— IMO MSC.1/Sirküler1581.</p>	<p>— EN 50104:2010,</p> <p>— EN 60079-29-1:2016,</p> <p>— EN IEC 60079-0:2018,</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 + IEC 60945 düz. 1:2008, veya: IEC 60945:2002 + IEC 60945 düz. 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>12.8.2020</p>	<p>25.8.2024</p>
<p>GTY/3.30b</p> <p>Taşınabilir oksijen analiz ve/veya gaz algılama teçhizatı:</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— Kural XI-1/7.</p>	<p>— EN 50104:2019,</p> <p>— EN 60079-29-1:2016,</p> <p>— EN IEC 60079-0:2018, + AC:2020,</p> <p>— EN 60079-1:2014,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	<p>15.08.2025</p>

1	2	3	4	5	6
— Kategori 2 (patlayıcı gaz ortamları) Sıra 2/4 (Yeni sıra)	Taşıma ve performans gereklilikleri — Kural II-2/4, — Kural VI/3, — Kural XI-1/7. — IMO Karar MSC.98(73)-(FSS Kod) 15, — IMO MSC.1/Sirküler1477, — IMO MSC.1/Sirküler1581.	— EN 60079-10-1:2015, — EN 60079-11:2012, — EN 60079-15:2010, — EN 60079-26:2015, — EN 60945:2002 + IEC 60945 düz. 1:2008, veya IEC 60945:2002 + IEC 60945 düz. 1:2008, — IEC 60092-504:2016, — IEC 60533:2015.			
GTY/3.30b Taşınabilir oksijen analiz ve/veya gaz algılama teçhizatı: — Kategori 2 (patlayıcı gaz ortamları) Sıra 3/4 (Yeni sıra)	Tip onay gereksinimleri — Kural II-2/4, — Kural. VI/3, — Kural XI-1/7.  Taşıma ve performans gereklilikleri — Kural II-2/4, — Kural VI/3, — Kural XI-1/7. — IMO Karar MSC.98(73)-(FSS Kod) 15, — IMO MSC.1/Sirküler1477, — IMO MSC.1/Sirküler1581.	— EN 50104:2019, — EN 60079-29-1:2016, — EN IEC 60079-0:2018, + AC:2020, — EN 60079-1:2014, + AC:2018-09 — EN 60079-10-1:2021, — EN 60079-11:2012, — EN 60079-15:2010, — EN 60079-26:2015, — EN 60945:2002 + IEC 60945 düz. 1:2008, veya IEC 60945:2002 + IEC 60945 düz. 1:2008, — IEC 60092-504:2016, — IEC 60533:2015.	B+D B+E B+F	15.08.2022	10.10.2026
GTY/3.30b Taşınabilir oksijen analiz ve/veya gaz algılama teçhizatı:	Tip onay gereksinimleri — Kural II-2/4, — Kural. VI/3, — Kural XI-1/7.	— EN 50104:2019, — EN 60079-29-1:2016, — EN IEC 60079-0:2018, + AC:2020,	B+D B+E B+F	10.10.2023	



1	2	3	4	5	6
— Kategori 2 (patlayıcı gaz ortamları) Sıra 4/4 (Yeni sıra)	Taşıma ve performans gereklilikleri — Kural II-2/4, — Kural "VI/3, — Kural XI-1/7. — IMO Karar MSC.98(73)-(FSS Kod) 15, — IMO MSC.1/Sirküler1477, — IMO MSC.1/Sirküler1581.	— EN 60079-1:2014, +AC:2018-09 — EN 60079-10-1:2021, — EN 60079-11:2012, — EN IEC 60079-15:2019, — EN 60079-26:2015, — EN 60079-29-1:2016, +A1:2022 ve A11:2022, — EN 60945:2002 + IEC 60945 düz. 1:2008, veya IEC 60945:2002 + IEC 60945 düz. 1:2008, — IEC 60092-504:2016, — IEC 60533:2015.			
Madde GTY/3.31 Yüksek hızlı tekneler (HSC) için sabit yağmurlama (sprinkler) sistemleri- GTY/3.9 ve GTY/3.28 kapsamında olduğu için silinmiştir.					
GTY/3.32 Yüksek hızlı tekneler için yanmayı sınırlayıcı malzemeler (mobilya hariç) Sıra1/1	Tip onay gereksinimleri — Kural X/3.  Taşıma ve performans gereklilikleri — IMO Karar MSC.36(63)-(1994 HSC Kod)7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO MSC.1/Sirküler1457.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,	B+D B+E B+F		

1	2	3	4	5	6
GTY/3.33 Yüksek hızlı tekneler için yanmayı sınırlayıcı mobilyalar Sıra1/1	Tip onay gereksinimleri — Kural X/3.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,	B+D B+E B+F		
	Taşıma ve performans gereklilikleri — IMO Karar MSC.36(63)-(1994 HSC Kod)7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.				
GTY/3.34 Yüksek hızlı tekneler için yangına dayanıklı bölmeler Sıra1/1	Tip onay gereksinimleri — Kural X/3.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,	B+D B+E B+F		
	Taşıma ve performans gereklilikleri — IMO Karar MSC.36(63)-(1994 HSC Kod)7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7. — IMO MSC.1/Sirküler1457.				
GTY/3.35 Yüksek hızlı tekneler için yangın kapıları Sıra1/1 Not: Yangın kapısı kontrol sistemleri GTY/3.17 maddesine göre uygunluk değerlendirmesine tabidir.	Tip onay gereksinimleri — Kural X/3.	— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,	B+D B+E B+F		
	Taşıma ve performans gereklilikleri — IMO Karar MSC.36(63)-(1994 HSC Kod)7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.				

1	2	3	4	5	6
<p>GTY/3.36</p> <p>Yüksek hızlı teknelerde yangın damperleri</p> <p>Sıra1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod)7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.37a</p> <p>Yüksek hızlı teknelerde, yangına dayanıklı bölmelerden geçişler:</p> <p>—elektrik kablo geçişleri</p> <p>Sıra1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod)7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.37b</p> <p>Yüksek hızlı teknelerde, yangına dayanıklı bölmelerden geçişler:</p> <p>— boru, kanal, trunk vb. geçişleri</p> <p>Sıra1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod)7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7.</p>	<p>— IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.38</p> <p>Can filikalari ve kurtarma botlari için taşınabilir yangın söndürme teçhizatı</p>	<p>Tip onay gereksinimleri</p> <p>— Kural III/4,</p> <p>— Kural X/3.</p>	<p>— EN 3-7:2004 +A1:2007,</p> <p>— EN 3-8:2006 + AC:2007,</p> <p>— EN 3-9:2006 + AC:2007,</p> <p>— EN 3-10:2009.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		25.08.2025

1	2	3	4	5	6
Sıra 1/2	Taşıma ve performans gereklilikleri — Kural. III/34, — IMO Karar A.951(23), — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.				
GTY/3.38 Can filikalari ve kurtarma botlari için taşınabilir yangın söndürme teçhizatı Sıra 2/2	Tip onay gereksinimleri — Kural III/4, — Kural X/3.  Taşıma ve performans gereklilikleri — Kural. III/34, — IMO Karar A.951(23), — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.48(66)-(LSA Kod) I, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8.	— EN 3-7:2004 +A1:2007, — EN 3-8:2021 — EN 3-9:2006 + AC:2007, — EN 3-10:2009.	B+D B+E B+F	25.08.2022	
GTY/3.39 Makina daireleri ve pompa odaları için su sisli yangın söndürme sistemlerine yönelik eşdeğer nozullar Sıra 1/1	Tip onay gereksinimleri — Kural II-2/10, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 7.  Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 7,	— IMO MSC/Sirküler 1165, güncellenmiş hali.	B+D B+E B+F		

1	2	3	4	5	6
	<p>— IMO MSC.1/Sirküler1313, — IMO MSC.1/Sirküler1458.</p>				
<p>GTY/3.40 Alçak düzeyden aydınlatma sistemleri (sadece bileşenler) Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/13, — IMO Karar MSC.98(73)-(FSS Kod) 11.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/13, — IMO Karar A.752(18), — IMO Karar MSC.98(73)-(FSS Kod) 11.</p>	<p>— IMO Karar A.752(18), — ISO 15370:2010.</p>	<p>B+D B+E B+F</p>		<p>25.8.2024</p>
<p>GTY/3.40 Alçak düzeyden aydınlatma sistemleri (sadece bileşenler) Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/13, — IMO Karar MSC.98(73)-(FSS Kod) 11.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/13, — IMO Karar A.752(18), — IMO Karar MSC.98(73)-(FSS Kod) 11.</p>	<p>— IMO Karar A.752(18), — ISO 15370:2021.</p>	<p>B+D B+E B+F</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
<p>GTY/3.41a</p> <p>Acil kaçış solunum cihazı (EEBD)</p> <p>— Kaçış için tam maskeli veya ağızlı parça tertibatlı kendi kendine yeten açık devre basınçlı hava solunum cihazı</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/13,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/13,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 3.</p> <p>— IMO MSC/Sirküler 849.</p>	<p>— ISO 23269-1:2008,</p> <p>— EN 402:2003.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.41b</p> <p>Acil kaçış solunum cihazı (EEBD)</p> <p>— Kaçış için başlıklı kendi kendine yeten açık devre basınçlı hava solunum cihazı</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/13,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/13,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 3.</p> <p>— IMO MSC/Sirküler 849.</p>	<p>— ISO 23269-1:2008,</p> <p>— EN 1146:2005.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.41c</p> <p>Acil kaçış solunum cihazı (EEBD)</p> <p>— Kendi kendine yeten kapalı devre basınçlı hava solunum cihazı</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/13,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/13,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 3.</p> <p>— IMO MSC/Sirküler 849.</p>	<p>— ISO 23269-1:2008,</p> <p>— EN 13794:2002.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.42a</p> <p>Inert gaz sistemleri</p> <p>Tüm sistem</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4,</p> <p>— IMO Karar A.567(14),</p>	<p>— IMO MSC/Sirküler 353,</p> <p>güncellenmiş hali.</p>	<p>G</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.98(73)-(FSS Kod) 15,</li> <li>— IMO MSC/Sirküler 353,</li> <li>— IMO MSC/ Sirküler 485,</li> <li>— IMO MSC/ Sirküler 731,</li> <li>— IMO MSC/ Sirküler 1120.</li> </ul>				
GTY/3.42a İnert gaz sistemleri Tüm sistem Sıra 2/2	Tip onay gereksinimleri — Kural II-2/4, Taşıma ve performans gereklilikleri — Kural II-2/4, — IMO Karar A.567(14), — IMO Karar MSC.98(73)-(FSS Kod) 15, — IMO MSC/Sirküler 353, — IMO MSC/ Sirküler 485, — IMO MSC/ Sirküler 731, — IMO MSC/ Sirküler 1120.	— IMO MSC/Sirküler 353, güncellenmiş hali. — IMO Karar MSC.98(73)-(FSS Kod) 15,	G	12.008.2020	
GTY/3.42b İnert gaz sistemleri: —tek bileşenler: —inert gaz yıkayıcılar Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/1	Tip onay gereksinimleri — Kural II-2/4, Taşıma ve performans gereklilikleri — Kural II-2/4, — IMO Karar A.567(14), — IMO Karar MSC.98(73)-(FSS Kod) 15, — IMO MSC/Sirküler 353, — IMO MSC/ Sirküler 485, — IMO MSC/ Sirküler 731, — IMO MSC/ Sirküler 1120.	— IMO MSC/Sirküler 353, güncellenmiş hali.	B+D B+E B+F G		

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<p>GTY/3.42c</p> <p>Inert gaz sistemleri:</p> <p>—tek bileşenler:</p> <p>—inert gaz havalveirmaları</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4,</p> <p>— IMO Karar A.567(14),</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 15,</p> <p>— IMO MSC/Sirküler 353,</p> <p>— IMO MSC/ Sirküler 485,</p> <p>— IMO MSC/ Sirküler 731,</p> <p>— IMO MSC/ Sirküler 1120.</p>	<p>— IMO MSC/Sirküler 353, güncellenmiş hali.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		
<p>GTY/3.43</p> <p>Fritözde yangın söndürme sistemlerine ait bileşenler (otomatik veya manuel)</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/1,</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural. II-2/1,</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO MSC.1/Sirküler 1433.</p>	<p>— ISO 15371:2009.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	16.03.2017	



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<p>GTY/3.44</p> <p>İtfaiyeci donanımı- Cankurtaran halatı —Madde GTY/3.7 ve Madde GTY/7.1'e göre onaylanmış solunum cihazlar için cankurtaran halatları Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 3.</p>	<p>— IMO Karar MSC.98(73)-(FSS Kod) 3, güncellenmiş hali. — IMO Karar MSC.307(88)-(2010 FTP Kod), güncellenmiş hali. — ISO 23269-2:2011.</p>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	
<p>GTY/3.45</p> <p>Makina daireleri ve kargo pompa odaları için eşdeğer sabit gazlı yangın söndürme sistemleri bileşenleri Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 5.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 5, — IMO MSC/Sirküler 848, — IMO MSC.1/Sirküler 1313.</p>	<p>— IMO MSC/Sirküler 848, güncellenmiş hali.</p>	<p>B+D B+E B+F</p>		<p>15.08.2025</p>
<p>GTY/3.45</p> <p>Makina daireleri ve kargo pompa odaları için eşdeğer</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 5.</p>	<p>— IMO MSC/Sirküler 848, güncellenmiş hali.</p>	<p>B+D B+E B+F</p>	<p>15.08.2022</p>	

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sabit gazlı yangın söndürme sistemleri bileşenleri Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 2/2	Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 5, — IMO Karar MSC.391(95)-(IGF Kod) 11, — IMO MSC/Sirküler 848, — IMO MSC.1/Sirküler 1313.				
GTY/3.46 Makina daireleri için eşdeğer sabit gazlı yangın söndürme sistemleri bileşenleri (aerosol sistemler) Sıra 1/2	Tip onay gereksinimleri — Kural II-2/10, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 5. Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 5, — IMO MSC/Sirküler 1270+Düz.1, — IMO MSC.1/Sirküler 1313.	— IMO MSC/Sirküler 1270+Düz.1, güncellenmiş hali.	B+D B+E B+F		15.08.2025
GTY/3.46 Makina daireleri için eşdeğer sabit gazlı yangın söndürme	Tip onay gereksinimleri — Kural II-2/10, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 5.	— IMO MSC/Sirküler 1270+Düz.1, güncellenmiş hali.		15.08.2022	

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<p>sistemleri bileşenleri (aerosol sistemler)</p> <p>Sıra 2/2</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 5,</li> <li>— IMO Karar MSC.391(95)-(IGF Kod) 11,</li> <li>— IMO MSC/Sirküler 1270+Düz.1,</li> <li>— IMO MSC.1/Sirküler 1313.</li> </ul>				
<p>GTY/3.47</p> <p>Makina daireleri ve kargo pompa odaları için yüksek genişmeli köpükle sabit yangın söndürme sistemleri konsantrasyonları</p> <p>NOT: Makina daireleri ve kargo pompa odaları için yüksek genişmeli köpüklü sabit yangın söndürme sistemleri; İdarenin uygun göreceği şekilde onaylı konsantrasyonla test edilecektir.</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/10,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 6,</li> </ul>	<p>— IMO MSC/Sirküler 670.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>15.08.2025</p>

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<p>GTY/3.47</p> <p>Makina daireleri ve kargo pompa odaları için yüksek genleşmeli köpükle sabit yangın söndürme sistemleri konsantrasyonları</p> <p>NOT: Makina daireleri ve kargo pompa odaları için yüksek genleşmeli köpüklü sabit yangın söndürme sistemleri; İdarenin uygun göreceği şekilde onaylı konsantrasyonla test edilecektir.</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 6,</p> <p>— IMO Karar MSC.391(95)-(IGF Kod) 11,</p>	<p>— IMO MSC/Sirküler 670.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.08.2022</p>	
<p>GTY/3.48</p> <p>“A” kategori makina dairelerinde kullanılan su esaslı, lokal uygulamalı sabit yangın söndürme sistemleri bileşenleri (nozul ve performans testleri)</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p>	<p>— IMO MSC.1/Sirküler 1387.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/1	Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.				
GTY/3.49a Özel kategori mahaller, Ro-Ro kargo mahalleri, Ro-Ro mahalleri ve araç mahalleri için sabit basınçlı su püskürtmeli yangın söndürme sistemleri — IMO MSC.1/Sirküler 1430, uyarınca kuralcı tabanlı sistemler Sıra 1/3	Tip onay gereksinimleri — Kural II-2/19, — Kural II-2/20, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 7. Taşıma ve performans gereklilikleri — Kural II-2/19, — Kural II-2/20, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 7.	— IMO MSC.1/Sirküler 1430.	B+D B+E B+F		1.1.2021
GTY/3.49a Özel kategori mahaller, Ro-Ro kargo mahalleri, Ro-Ro mahalleri ve araç mahalleri için sabit basınçlı su püskürtmeli yangın söndürme sistemleri	Tip onay gereksinimleri — Kural II-2/19, — Kural II-2/20, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 7. Taşıma ve performans gereklilikleri — Kural II-2/19, — Kural II-2/20, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7,	— IMO MSC.1/Sirküler 1430,Revizyon 1.	B+D B+E B+F	12.8.2020	15.08.2025

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— IMO MSC.1/Sirküler 1430 Revizyon 1, uyarınca kuralcı tabanlı sistemler Sıra 2/3	— IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 7.				
GTY/3.49a Özel kategori mahaller, Ro-Ro kargo mahalleri, Ro-Ro mahalleri ve araç mahalleri için sabit basınçlı su püskürtmeli yangın söndürme sistemleri — IMO MSC.1/Sirküler 1430 Revizyon 2, uyarınca kuralcı tabanlı sistemler Sıra 3/3	Tip onay gereksinimleri — Kural II-2/19, — Kural II-2/20, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 7.  Taşıma ve performans gereklilikleri — Kural II-2/19, — Kural II-2/20, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 7.	— IMO MSC.1/Sirküler 1430,Revizyon 2.	B+D B+E B+F	15.08.2022	
GTY/3.49b Özel kategori mahaller, Ro-Ro kargo mahalleri, Ro-Ro mahalleri ve araç mahalleri için sabit basınçlı su püskürtmeli yangın söndürme sistemleri — IMO MSC.1/Sirküler 1430, uyarınca performans tabanlı sistemler Sıra1/3	Tip onay gereksinimleri — Kural II-2/19, — Kural II-2/20, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 7.  Taşıma ve performans gereklilikleri — Kural II-2/19, — Kural II-2/20, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 7.	— IMO MSC.1/Sirküler 1430.	B+D B+E B+F		1.1.2021

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GTY/3.49b Özel kategori mahaller, Ro-Ro kargo mahalleri, Ro-Ro mahalleri ve araç mahalleri için sabit basınçlı su püskürtmeli yangın söndürme sistemleri — IMO MSC.1/Sirküler 1430 Revizyon 1, uyarınca performans tabanlı sistemler Sıra 2/3	Tip onay gereksinimleri — Kural II-2/19, — Kural II-2/20, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 7.	— IMO MSC.1/Sirküler 1430, Revizyon 1.	B+D B+E B+F	12.8.2020	15.08.2025
	Taşıma ve performans gereklilikleri — Kural II-2/19, — Kural II-2/20, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 7.				
GTY/3.49b Özel kategori mahaller, Ro-Ro kargo mahalleri, Ro-Ro mahalleri ve araç mahalleri için sabit basınçlı su püskürtmeli yangın söndürme sistemleri — IMO MSC.1/Sirküler 1430 Revizyon 2, uyarınca performans tabanlı sistemler Sıra 3/3	Tip onay gereksinimleri — Kural II-2/19, — Kural II-2/20, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 7.	— IMO MSC.1/Sirküler 1430, Revizyon 2.	B+D B+E B+F	15.8.2022	
	Taşıma ve performans gereklilikleri — Kural II-2/19, — Kural II-2/20, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 7.				

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<p>GTY/3.50, Kimyasal saldırılara karşı dirençli koruyucu elbise – Madde GTY/9/3.9' a alınmıştır.</p>					
<p>GTY/3.51a</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri: —kontrol ve gösterge teçhizatı</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, —IMO Karar MSC.391(95)-(IGF Kod) 11, — IMO MSC.1/Sirküler 1242, — IMO MSC.1/Sirküler 1487, — IMO MSC.1/Sirküler 1528.</p>	<p>Gemilerdeki elektrik tesisatları:</p> <p>— EN 54-2:1997 + AC:1999 ve A1:2006.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016, — IEC 60533:2015.</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>15.08.2025</p>
<p>GTY/3.51a</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>Gemilerdeki elektrik tesisatları:</p> <p>— EN 54-2:1997 + AC:1999 ve A1:2006.</p>	<p>B+D B+E B+F</p>	<p>15.08.2022</p>	



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<p>mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri: —kontrol ve gösterge teçhizatı Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 2/2</p>	<p>Taşıma ve performans gereklilikleri — Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, —IMO Karar MSC.391(95)-(IGF Kod) 11, — IMO MSC.1/Sirküler 1242, — IMO MSC.1/Sirküler 1487, — IMO MSC.1/Sirküler 1528.</p>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008; — EN IEC 62923-1:2018; — EN IEC 62923-2:2018;  Veya;  — EN 54-2:1997 + AC:1999 ve A1:2006. — IEC 60945:2002 + IEC 60945 Düz. 1:2008; — IEC 62923-1:2018; — IEC 62923-2:2018;  Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:  — IEC 60092-504:2016, — IEC 60533:2015.</p>			
<p>GTY/3.51b Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz</p>	<p>Tip onay gereksinimleri — Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>— EN 54-4:1997 + AC:1999, A1:2002 ve A2:2006.</p>	<p>B+D B+E B+F</p>	<p>19.6.2018</p>	

1	2	3	4	5	6
<p>makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri: —güç kaynağı teçhizatı Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri — Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, —IMO Karar MSC.391(95)-(IGF Kod) 11, — IMO MSC.1/Sirküler 1242, — IMO MSC.1/Sirküler 1554.</p>	<p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:  — IEC 60092-504:2016, — IEC 60533:2015.</p>			
<p>GTY/3.51c Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine</p>	<p>Tip onay gereksinimleri — Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>— EN 54-5:2017,</p>	<p>B+D B+E B+F</p>	<p>19.6.2018</p>	<p>31.8.2022</p>

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<p>mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri: —ısı detektörü ve nokta detektörü</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/2</p>	<p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, — IMO MSC.1/Sirküler 1242.</p>	<p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016, — IEC 60533:2015.</p>			
<p>GTY/3.51c</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri: —ısı detektörü ve nokta detektörü</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>— EN 54-5:2017 +A1:2018.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016, — IEC 60533:2015.</p>	<p>B+D B+E B+F</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 2/2	Taşıma ve performans gereklilikleri — Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, —IMO Karar MSC.391(95)-(IGF Kod) 11, — IMO MSC.1/Sirküler 1242.				
GTY/3.51d Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri: —duman detektörü: saçılan ışık, geçen ışık ya da iyonizasyon kullanan nokta detektörleri Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/2	Tip onay gereksinimleri — Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.  Taşıma ve performans gereklilikleri — Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, — IMO MSC.1/Sirküler 1242.	— EN 54-7:2000 +A1:2002 ve A2:2006.  Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:  — IEC 60092-504:2001 + IEC 60092- 504 Düz.1:2011, — IEC 60533:1999.	B+D B+E B+F		31.8.2022

1	2	3	4	5	6
<p>GTY/3.51d</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri:</p> <p>—duman detektörü: saçılan ışık, geçen ışık ya da iyonizasyon kullanan nokta detektörleri</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9,</p> <p>—IMO Karar MSC.391(95)-(IGF Kod) 11,</p> <p>— IMO MSC.1/Sirküler 1242.</p>	<p>— EN 54-5:2018.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</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>13.9.2019</p>	
<p>GTY/3.51e</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>—EN 54-10:2002 + A1:2005.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</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>yangın tespit ve yangın alarm sistemleri bileşenleri:</p> <p>- alev detektörleri: nokta detektörler</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9,</p> <p>—IMO Karar MSC.391(95)-(IGF Kod) 11,</p> <p>— IMO MSC.1/Sirküler 1242.</p>	<p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p>			
<p>GTY/3.51f</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri:</p> <p>- manuel çağrı noktaları</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>—EN 54-10:2001 + A1:2005.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</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>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 9,</li> <li>—IMO Karar MSC.391(95)-(IGF Kod) 11,</li> <li>— IMO MSC.1/Sirküler 1242.</li> </ul>				
<p>GTY/3.51g</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri:</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 9.</li> </ul>	<p>— EN 54-17:2005 + AC:2007.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</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>- kısa devre izolatörleri</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9,</p> <p>—IMO Karar MSC.391(95)-(IGF Kod) 11,</p> <p>— IMO MSC.1/Sirküler 1242.</p>				
<p>GTY/3.51h</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri:</p> <p>- giriş/çıkış teçhizatları</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>— EN 54-18:2005 +AC:2007.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</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>kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri — Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, —IMO Karar MSC.391(95)-(IGF Kod) 11, — IMO MSC.1/Sirküler 1242.</p>				
<p>GTY/3.51i Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri:  - kablolar</p>	<p>Tip onay gereksinimleri — Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.</p>	<p>— EN 60332-1-2:2004, — IEC 60092-376:2017.  Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:  — IEC 60092-504:2016, — IEC 60533:2015. — IEC 60332-1-2:2004 + A1:2015.</p>	<p>B+D B+E B+F</p>	<p>19.6.2018</p>	<p>28.3.2021</p>

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<p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/3</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 9,</li> <li>—IMO Karar MSC.391(95)-(IGF Kod) 11,</li> <li>— IMO MSC.1/Sirküler 1242.</li> </ul>	<p>Ve/veya:</p> <p>Ateşe dayanıklı kablolar:</p> <ul style="list-style-type: none"> <li>— IEC 60092-376:2017,</li> <li>— IEC 60331-1:2009 veya IEC 60331-2:2009</li> </ul> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015,</li> <li>— IEC 60332-1-2:2004 + A1:2015.</li> </ul>			
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1	2	3	4	5	6
<p>GTY/3.51i</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri:</p> <p>- kablolar</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9,</p> <p>—IMO Karar MSC.391(95)-(IGF Kod) 11,</p> <p>— IMO MSC.1/Sirküler 1242.</p>	<p>— EN 60332-1-2:2004 + A1:2015 ve A11:2016,</p> <p>— IEC 60092-376:2017.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015,</p> <p>— IEC 60332-1-2:2004 + A1:2015.</p> <p>Ve/veya:</p> <p>Ateşe dayanıklı kablolar:</p> <p>— IEC 60092-376:2017,</p> <p>— IEC 60331-1:2018 veya IEC 60331-2:2018.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015,</p> <p>— IEC 60332-1-2:2004 + A1:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.9.2019</p>	<p>15.8.2025</p>

1	2	3	4	5	6
<p>GTY/3.51i</p> <p>Kontrol istasyonları, servis mahalleri, yaşam mahalleri, kabin balkonları, makine mahalleri ve gözetimsiz makine mahalleri için sabit yangın tespit ve yangın alarm sistemleri bileşenleri:</p> <p>- kablolar</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 3/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 9,</p> <p>—IMO Karar MSC.391(95)-(IGF Kod) 11,</p> <p>— IMO MSC.1/Sirküler 1242.</p>	<p>— EN 60332-1-2:2004 + A1:2015, A11:2016 ve A12:2020,</p> <p>— IEC 60092-376:2017.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015,</p> <p>— IEC 60332-1-2:2004 + A1:2015.</p> <p>Ve/veya:</p> <p>Ateşe dayanıklı kablolar:</p> <p>— IEC 60092-376:2017,</p> <p>— IEC 60331-1:2018 veya IEC 60331-2:2018.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015,</p> <p>— IEC 60332-1-2:2004 + A1:2015.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.8.2022</p>	
<p>GTY/3.52</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p>	<p>— EN 1866-1:2007,</p> <p>— EN 1866-2:2014.</p>	<p>B+D</p>	<p>13.9.2019</p>	

1	2	3	4	5	6
Taşınmaz ve taşınabilir yangın söndürücüler Sıra 1/1	— Kural X/3.	Veya: — EN 1866-1:2007, — EN 1866-3:2013.	B+E B+F		
	Taşıma ve performans gereklilikleri — Kural II-2/7, — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.	Veya: — ISO 11601:2017.			
GTY/3.53 Yangın alarm teçhizatları- sirenler Sıra 1/2	Tip onay gereksinimleri — Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.	— EN 54-3:2014, — IEC 60092-504:2016, — IEC 60533:2015.	B+D B+E B+F	16.3.2017	12.8.2023
	Taşıma ve performans gereklilikleri — Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, — IMO MSC.1/Sirküler 1242, — IMO MSC.1/Sirküler 1487.				
GTY/3.53 Yangın alarm teçhizatları- sirenler Sıra 2/2	Tip onay gereksinimleri — Kural II-2/7, — Kural X/3, — IMO Karar MSC.98(73)-(FSS Kod) 9.	— EN 54-3:2014 + A1:2019, — IEC 60092-504:2016, — IEC 60533:2015.	B+D B+E B+F	12.8.2020	
	Taşıma ve performans gereklilikleri — Kural II-2/7, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7, — IMO Karar MSC.98(73)-(FSS Kod) 9, — IMO MSC.1/Sirküler 1242,				

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	— IMO MSC.1/Sirküler 1487.				
GTY/3.54a Sabit oksijen analizi ve gaz tespit teçhizatı: — Kategori 4: (güvenli alan) Sıra 1/2	Tip onay gereksinimleri — Kural II-2/4, — Kural VI/3, Taşıma ve performans gereklilikleri — Kural II-2/4, — Kural VI/3, — IMO Karar MSC.98(73)-(FSS Kod) 15, — Kombine O <sub>2</sub> /HC sistemleri için ayrıca: — IMO MSC.1/Sirküler 1370.	— EN 50104:2010, — IEC 60092-504:2016, — IEC 60533:2015. — Kombine O <sub>2</sub> /HC sistemleri için ayrıca: — IMO MSC.1/Sirküler 1370.	B+D B+E B+F	12.8.2020	25.8.2024
GTY/3.54a Sabit oksijen analizi ve gaz tespit teçhizatı: — Kategori 4: (güvenli alan) Sıra 2/2	Tip onay gereksinimleri — Kural II-2/4, — Kural VI/3, Taşıma ve performans gereklilikleri — Kural II-2/4, — Kural VI/3, — IMO Karar MSC.98(73)-(FSS Kod) 15, — Kombine O <sub>2</sub> /HC sistemleri için ayrıca: — IMO MSC.1/Sirküler 1370.	— EN 50104:2019, — IEC 60092-504:2016, — IEC 60533:2015. — Kombine O <sub>2</sub> /HC sistemleri için ayrıca: — IMO MSC.1/Sirküler 1370.	B+D B+E B+F	25.8.2021	
GTY/3.54b Sabit oksijen analizi ve gaz tespit teçhizatı: — Kategori 3: (patlayıcı gaz ortamları) Sıra 1/3	Tip onay gereksinimleri — Kural II-2/4, — Kural VI/3, Taşıma ve performans gereklilikleri — Kural II-2/4, — Kural VI/3, — IMO Karar MSC.98(73)-(FSS Kod) 15, — Kombine O <sub>2</sub> /HC sistemleri için ayrıca: — IMO MSC.1/Sirküler 1370.	— EN 50104:2010, — EN 60079-0:2012 + A11:2013, — EN 60079-29-1:2016, — IEC 60092-504:2016, — IEC 60533:2015, — Kombine O <sub>2</sub> /HC sistemleri için ayrıca: — IMO MSC.1/Sirküler 1370.	B+D B+E B+F	19.6.2018	12.8.2023

1	2	3	4	5	6
<p>GTY/3.54b</p> <p>Sabit oksijen analizi ve gaz tespit teçhizatı:</p> <p>— Kategori 3: (patlayıcı gaz ortamları)</p> <p>Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 15,</p> <p>— Kombine O<sub>2</sub>/HC sistemleri için ayrıca:</p> <p>— IMO MSC.1/Sirküler 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>Kombine O<sub>2</sub>/HC sistemleri için ayrıca:</p> <p>— IMO MSC.1/Sirküler 1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	12.8.2020	25.8.2024
<p>GTY/3.54b</p> <p>Sabit oksijen analizi ve gaz tespit teçhizatı:</p> <p>— Kategori 3: (patlayıcı gaz ortamları)</p> <p>Sıra 3/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/4,</p> <p>— Kural VI/3,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 15,</p> <p>— Kombine O<sub>2</sub>/HC sistemleri için ayrıca:</p> <p>— IMO MSC.1/Sirküler 1370.</p>	<p>— EN 50104:2019.</p> <p>— EN IEC 60079-0:2018 + AC:2020,</p> <p>— EN 60079-29-1:2016,</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>Kombine O<sub>2</sub>/HC sistemleri için ayrıca:</p> <p>— IMO MSC.1/Sirküler 1370.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	25.8.2021	
<p>GTY/3.55a</p> <p>Çift amaçlı tip nozüller(sprey/jet tipi):</p> <p>— İtfaiye hizmeti için elle tutulan branşman boruları- Kombine branşman boruları</p> <p>PN 16</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p>	<p>— EN 15182-1:2007 + A1:2009,</p> <p>— EN 15182-2:2007 + A1:2009.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		12.8.2023

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<p>GTY/3.55a</p> <p>Çift amaçlı tip nozüller(sprey/jet tipi):</p> <p>— İtfaiye hizmeti için elle tutulan branşman boruları-</p> <p>Kombine branşman boruları</p> <p>PN 16</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p>	<p>— EN 15182-1:2019,</p> <p>— EN 15182-2:2019.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>GTY/3.55b</p> <p>Çift amaçlı tip nozüller(sprey/jet tipi):</p> <p>— İtfaiye hizmeti için elle tutulan branşman boruları-</p> <p>düz delikli jet ve/veya sabit bir sprej jet açılı branşman boruları PN 16</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p>	<p>— EN 15182-1:2007 + A1:2009,</p> <p>— EN 15182-3:2007 + A1:2009.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		<p>12.8.2023</p>
<p>GTY/3.55b</p> <p>Çift amaçlı tip nozüller(sprey/jet tipi):</p> <p>— İtfaiye hizmeti için elle tutulan branşman boruları-</p> <p>düz delikli jet ve/veya sabit bir sprej jet açılı branşman boruları PN 16</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 7,</p>	<p>— EN 15182-1:2019,</p> <p>— EN 15182-3:2019.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	
<p>GTY/3.56</p> <p>Sabit yangın söndürme hortumu sistemleri</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10,</p> <p>— Kural X/3.</p>	<p>— EN 671-1:2012.</p>	<p>B+D</p> <p>B+E</p>		



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— Yarı sert hortumlu hortum makaraları Sıra 1/1	Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7,		B+F		
GTY/3.57 Orta genleşmeli köpük yangın söndürme sistem bileşenleri – Tankerler için sabit güverte köpüğü  Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.  Sıra 1/1	Tip onay gereksinimleri — Kural II-2/10.  Taşıma ve performans gereklilikleri — Kural II-2/10.8.1, — IMO Karar MSC.98(73)-(FSS Kod) 14, — IMO MSC/Sirküler1239, — IMO MSC.1/Sirküler 1276.	— IMO MSC.1/Sirküler 798.	B+D B+E B+F		
GTY/3.58 Makine mahalleri ve tanker güverte koruması için sabit düşük genleşmeli köpüklü yangın söndürme sistemleri bileşenleri	Tip onay gereksinimleri — Kural II-2/10.	— IMO MSC.1/Sirküler 1312, — IMO MSC.1/Sirküler1312/ Düz.1.	B+D B+E B+F		

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Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir. Sıra 1/1	Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.98(73)-(FSS Kod) 6, — IMO Karar MSC.98(73)-(FSS Kod) 14, — IMO MSC/Sirküler 1239, — IMO MSC.1/Sirküler 1276.				
GTY/3.59 Kimyasal tankerlerin sabit yangın söndürme sistemleri için genişleme köpüğü Sıra 1/1	Tip onay gereksinimleri — Kural II-2/1, — IMO Karar MSC.4(48)-(IBC Kod) 11. Taşıma ve performans gereklilikleri — IMO Karar MSC.4(48)-(IBC Kod) 11, — IMO MSC.1/Sirküler 553.	— IMO MSC.1/Sirküler 1312, — IMO MSC.1/Sirküler1312/ Düz.1.	B+D B+E B+F		
GTY/3.60 Kabin balkonlarının sabit basınçlı su püskürtmeli yangın söndürme sistemleri için nozüller Sıra 1/1	Tip onay gereksinimleri — Kural II-2/10, — IMO Karar MSC.98(73)-(FSS Kod) 7. Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.98(73)-(FSS Kod) 7, — IMO MSC.1/Sirküler 1313.	— IMO MSC.1/Sirküler 1268.	B+D B+E B+F		
GTY/3.61a Makine mahallerinin, kargo pompa dairelerinin, araç ve	Tip onay gereksinimleri — Kural II-2/10.	— IMO MSC.1/Sirküler 1384.	B+D B+E		

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<p>Ro-Ro mahallerinin, özel kategori mahallerinin ve kargo mahallerinin korunması için iç havalı yüksek genleşmeli köpük sistemleri</p> <p>Not: Makine mahallerinin, kargo pompa dairelerinin, araç ve ro-ro mahallerinin, özel kategori mahallerinin ve kargo mahallerinin korunması için iç / dış havalı yüksek genleşmeli köpük sistemleri İdarenin onaylayacağı şekilde test edilmelidir.</p> <p>Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 6,</p> <p>— IMO MSC.1/Sirküler 1528.</p>		<p>B+F</p>		
<p>GTY/3.61b</p> <p>Makine mahallerinin, kargo pompa dairelerinin, araç ve ro-ro mahallerinin, özel kategori mahallerinin ve kargo mahallerinin korunması</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/10.</p>	<p>— IMO MSC.1/Sirküler 1384.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		

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<p>için dış havalı yüksek genleşmeli köpük sistemleri</p> <p>Not: Makine mahallerinin, kargo pompa dairelerinin, araç ve ro-ro mahallerinin, özel kategori mahallerinin ve kargo mahallerinin korunması için iç / dış havalı yüksek genleşmeli köpük sistemleri İdarenin onaylayacağı şekilde test edilmelidir.</p> <p>Sıra 1/1</p>	<p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/10,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 6,</p> <p>— IMO MSC.1/Sirküler 1528.</p>				
<p>GTY/3.62</p> <p>Kuru kimyevi tozlu söndürme sistemleri</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/1.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/1.</p> <p>— IMO Karar MSC.5(48)-(IGC Kod) 11,</p> <p>— IMO Karar MSC.391(95)-(IGF Kod) 11,</p> <p>— IMO MSC.1/Sirküler 1617</p>	<p>— IMO MSC.1/Sirküler 1315.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.63a</p> <p>Duman tespit sistem bileşenleri:</p> <p>— Kontrol ve gösterge teçhizatı Teknelerdeki elektrik tesisatları</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20.</p>	<p>— IMO Karar MSC.98(73) - (FSS Kod) 10,</p> <p>— EN 54-2:1997 + AC:1999 ve A1:2006.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>12.8.2023</p>

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<p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/3</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 10,</li> </ul>	<p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015,</li> </ul> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <ul style="list-style-type: none"> <li>— EN 60079-0:2012 + A11:2013.</li> </ul>			
<p>GTY/3.63a</p> <p>Duman tespit sistem bileşenleri:</p> <ul style="list-style-type: none"> <li>— Kontrol ve gösterge teçhizatı Teknelerdeki elektrik tesisatları</li> </ul> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 10,</li> </ul>	<p>— IMO Karar MSC.98(73) - (FSS Kod) 10,</p> <p>— EN 54-2:1997 + AC:1999 ve A1:2006.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015,</li> </ul> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</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>

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<p>GTY/3.63a</p> <p>Duman tespit sistem bileşenleri:</p> <p>— Kontrol ve gösterge teçhizatı</p> <p>Teknelerdeki elektrik tesisatları</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 3/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p>	<p>— IMO Karar MSC.98(73) - (FSS Kod) 10,</p> <p>— EN 54-2:1997 + AC:1999 ve A1:2006.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015,</p> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <p>— EN IEC 60079-0:2018 + A11:2020.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	
<p>GTY/3.63b</p> <p>Duman tespit sistem bileşenleri:</p> <p>— güç kaynağı teçhizatı</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra1/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p>	<p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p> <p>— EN 54-4:1997 + AC:1999, A1:2002 ve A2:2006.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <p>— EN 60079-0:2012 + A11:2013.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>12.8.2023</p>

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<p>GTY/3.63b</p> <p>Duman tespit sistem bileşenleri:</p> <p>— güç kaynağı teçhizatı</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p>	<p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p> <p>— EN 54-4:1997 + AC:1999, A1:2002 ve A2:2006.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <p>— EN IEC 60079-0:2018.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p>
<p>GTY/3.63b</p> <p>Duman tespit sistem bileşenleri:</p> <p>— güç kaynağı teçhizatı</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20.</p>	<p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p> <p>— EN 54-4:1997 + AC:1999, A1:2002 ve A2:2006.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	

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<p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 3/3</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 10,</li> </ul>	<p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <ul style="list-style-type: none"> <li>— EN IEC 60079-0:2018 + AC:2020.</li> </ul>			
<p>GTY/3.63c</p> <p>Duman tespit sistem bileşenleri:</p> <ul style="list-style-type: none"> <li>— hava çekişli duman detektörü</li> </ul> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural II-2/7,</li> <li>— Kural II-2/19,</li> <li>— Kural II-2/20,</li> <li>— IMO Karar MSC.98(73)-(FSS Kod) 10,</li> </ul>	<p>— IMO Karar MSC.98(73) - (FSS Kod) 10,</p> <p>— EN 54-20:2006 + AC:2008.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <ul style="list-style-type: none"> <li>— IEC 60092-504:2016,</li> <li>— IEC 60533:2015.</li> </ul> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <ul style="list-style-type: none"> <li>— EN 60079-0:2012 + 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>



1	2	3	4	5	6
<p>GTY/3.63c</p> <p>Duman tespit sistem bileşenleri:</p> <p>— hava çekişli duman detektörü</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p>	<p>— IMO Karar MSC.98(73) - (FSS Kod) 10,</p> <p>— EN 54-20:2006 + AC:2008.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <p>— EN IEC 60079-0:2018.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p>
<p>GTY/3.63c</p> <p>Duman tespit sistem bileşenleri:</p> <p>— hava çekişli duman detektörü</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 3/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/7,</p> <p>— Kural II-2/19,</p> <p>— Kural II-2/20,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 10,</p>	<p>— IMO Karar MSC.98(73) - (FSS Kod) 10,</p> <p>— EN 54-20:2006 + AC:2008.</p> <p>Ve, uygulanabildiği ölçüde, gemilerdeki elektrik ve elektronik tesisatlar:</p> <p>— IEC 60092-504:2016,</p> <p>— IEC 60533:2015.</p> <p>Ve, uygulanabildiği ölçüde patlayıcı atmosferler için,</p> <p>— EN IEC 60079-0:2018+ AC:2020.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.8.2021</p>	
<p>GTY/3.64</p>	<p>Tip onay gereksinimleri</p>	<p>— IMO Karar MSC.307(88)-(2010)</p>			

1	2	3	4	5	6
C sınıfı bölmeler Sıra 1/1	— Kural II-2/3.10 Taşıma ve performans gereklilikleri — Kural II-2/3.10, — Kural II-2/3.33, — Kural II-2/9, — IMO MSC/Sirküler1120.	FTP Kod), güncellenmiş hali.	B+D B+E B+F		
GTY/3.65 Sabit hidrokarbon gaz tespit sistemi Sıra 1/3	Tip onay gereksinimleri — Kural II-2/4 Taşıma ve performans gereklilikleri — Kural II-2/4, — IMO Karar MSC.98(73)-(FSS Kod) 16, — IMO MSC.1/Sirküler1370, — IMO MSC.1/Sirküler1527.	— IMO MSC.1/Sirküler 1370, — EN 60079-0:2012 + 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
GTY/3.65 Sabit hidrokarbon gaz tespit sistemi Sıra 2/3	Tip onay gereksinimleri — Kural II-2/4 Taşıma ve performans gereklilikleri — Kural II-2/4, — IMO Karar MSC.98(73)-(FSS Kod) 16, — IMO MSC.1/Sirküler1370, — IMO MSC.1/Sirküler1527.	— IMO MSC.1/Sirküler 1370, — EN 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
GTY/3.65 Sabit hidrokarbon gaz tespit sistemi Sıra 3/3	Tip onay gereksinimleri — Kural II-2/4 Taşıma ve performans gereklilikleri — Kural II-2/4, — IMO Karar MSC.98(73)-(FSS Kod) 16, — IMO MSC.1/Sirküler1370, — IMO MSC.1/Sirküler1527.	— IMO MSC.1/Sirküler 1370, — EN 60079-0:2018+ AC:2020, — EN 60079-29-1:2016, — IEC 60092-504:2016, — IEC 60533:2015.	B+D B+E B+F	25.8.2021	

1	2	3	4	5	6
<p>GTY/3.66</p> <p>Alçak konumlu aydınlatma sistemlerine alternatif olarak kullanılan tahliye kılavuz sistemleri</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/13</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/13,</p> <p>— IMO MSC.1/Sirküler1168.</p>	— IMO MSC.1/Sirküler1168.	<p>B+D</p> <p>B+E</p> <p>B+F</p>		
<p>GTY/3.67</p> <p>Helikopter tesisi köpüklü yangın söndürme teçhizatı</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/18</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/18,</p> <p>— IMO MSC.1/Sirküler1431.</p>	— EN 13565-1:2003 + A1:2007.	<p>B+D</p> <p>B+E</p> <p>B+F</p>	16.3.2017	12.8.2023
<p>GTY/3.67</p> <p>Helikopter tesisi köpüklü yangın söndürme teçhizatı</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/18</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/18,</p> <p>— IMO Karar MSC.98(73)-(FSS Kod) 17.</p>	— EN 13565-1:2019.	<p>B+D</p> <p>B+E</p> <p>B+F</p>	12.8.2020	
<p>GTY/3.68</p> <p>Gemi mutfağı egzoz kanallı sabit yangın söndürme sistem bileşenleri</p> <p>Not: Halihazırda ki tesislerin yedek parçası olarak kullanılan ürünler için, gemiye yerleştirildiği zamandaki ilgili standartlar uygulanabilir.</p> <p>Sıra 1/1</p>	<p>Tip onay gereksinimleri</p> <p>— Kural II-2/9.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural II-2/9.</p>	— ISO 15371:2015.	<p>B+D</p> <p>B+E</p> <p>B+F</p>	16.3.2017	

1	2	3	4	5	6
GTY/3.69 1 Ocak 2016'da veya sonrasında inşa edilen gemiler için, açık güverte üzerinde beş veya daha fazla kat konteyner taşımak üzere tasarlanmış mobil su monitörü Sıra 1/2	Tip onay gereksinimleri — Kural II-2/10.	— IMO MSC.1/Sirküler 1472.	B+D B+E B+F		
	Taşıma ve performans gereklilikleri — Kural II-2/10, — KuralII-2/19, — IMO MSC.1/Sirküler 1472, — IMO MSC.1/Sirküler 1550.				
GTY/3.69 1 Ocak 2016'da veya sonrasında inşa edilen gemiler için, açık güverte üzerinde beş veya daha fazla kat konteyner taşımak üzere tasarlanmış mobil su monitörü Sıra 2/2	Tip onay gereksinimleri — Kural II-2/10.	— IMO MSC.1/Sirküler 1472.	B+D B+E B+F		
	Taşıma ve performans gereklilikleri — Kural II-2/10, — KuralII-2/19, — IMO Karar MSC.98(73)-(FSS Kod) 12, — IMO MSC.1/Sirküler 1472, — IMO MSC.1/Sirküler 1550.				
GTY/3.70 Yangın söndürme hortumları: — sabit sistemler için yarı sert hortumlar Sıra 1/1	Tip onay gereksinimleri — Kural II-2/10, —Kural X/3.	— EN 694:2014.	B+D B+E B+F		
	Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.				
GTY/3.71 Sabit yangın söndürme hortum sistemleri:	Tip onay gereksinimleri — Kural II-2/10, —Kural X/3.	— EN 671-2:2012.	B+D B+E	16.3.2017	

1	2	3	4	5	6
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— Yassı hortumlu hortum sistemleri	Taşıma ve performans gereklilikleri — Kural II-2/10, — IMO Karar MSC.36(63)-(1994 HSC Kod) 7, — IMO Karar MSC.97(73)-(2000 HSC Kod) 7.		B+F		
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#### 4. Seyir Teçhizatı

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
1	2	3	4	5	6
GTY/4.1 Manyetik pusula — 'A' sınıfı gemiler için Sıra 1/2	Tip onay gereksinimleri — Kural V/18, — Kural X/3.  Taşıma ve performans gereklilikleri  — Kural V/19, — IMO Karar A.382(X), — IMO Karar A.694(17), — IMO Karar MSC.36 (63) - 1994 HSC Kod 13, — IMO Karar MSC.97(73)-2000 HSC Kod 13, — IMO Karar MSC.302(87).	— ISO 1069:1973, — ISO 25862:2009, — EN 60945:2002 + IEC 60945  Düz. 1:2008.  Veya: — ISO 1069:1973, — ISO 25862:2009, — IEC 60945:2002 + IEC 60945  Corr. 1:2008.  Not: IMO Karar MSC.302(87) uygulanacağı yerlerde; —EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014	B+D B+E B+F G	13.09.2019	12.8.2023  (i)

1	2	3	4	5	6
		<p>EN IEC 61162-450:2018, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.</p> <p>Veya;</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			
<p>GTY/4.1 Manyetik pusula — ‘A’ sınıfı gemiler için Sıra 2/2</p>	<p>Tip onay gereksinimleri — Kural V/18, — Kural X/3.</p> <p>Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.382(X), — IMO Karar A.694(17), — IMO Karar MSC.36 (63) - 1994 HSC Kod 13, — IMO Karar MSC.97(73)-2000 HSC Kod 13, — IMO Karar MSC.302(87).</p>	<p>— ISO 1069:1973, — ISO 25862:2009, — EN 60945:2002 + IEC 60945 Düz. 1:2008.</p> <p>Veya;</p> <p>— ISO 1069:1973, — ISO 25862:2009, — IEC 60945:2002 + IEC 60945 Düz. 1:2008.</p> <p>Not: IMO Karar MSC.302(87) uygulanacağı yerlerde; —EN 61162 serisi: EN 61162-1:2016</p>	<p>B+D B+E B+F G</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
		<p>EN 61162-2:1998  EN 61162-3:2008  +A1:2010+A2:2014  EN IEC 61162-450:2018,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018.  Veya;  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  IEC 61162-3 Ed.1.2 Consol. İle A1  Ed. 1.0:2010-11 ve A2 Ed.  1.0:2014-07  IEC 61162-450:2018,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/4.2  Verici manyetik rota cihazı  (Daha önce “Elektro-  Manyetik Pusula” idi)  Sıra 1/2</p>	<p>Tip onay gereksinimleri  — Kural V/18,  — Kural V/19,  — Kural X/3,  — IMO Karar MSC.36(63)-1994 HSC Kod 13,  — IMO Karar MSC.97(73)-2000 HSC Kod 13,</p> <p>Taşıma ve performans gereklilikleri  — Kural V/19,  — IMO Karar A.694(17),  — IMO Karar MSC.36 (63)- 1994 HSC Kod 13,  — IMO Karar MSC.97(73)-2000 HSC Kod</p>	<p>— ISO 22090-2:2014,  — EN 60945:2002 + IEC 60945  Düz. 1:2008,  — EN 61162 serisi:  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.</p>	<p>B+D  B+E  B+F  G</p>	<p>13.9.219</p>	<p>1.7.2025  (i)</p>

1	2	3	4	5	6
	<p>13,  — IMO Karar MSC.116(73),  — IMO Karar MSC.191(79),  — IMO Karar MSC.302(87).</p>	<p>Veya:  — ISO 22090-2:2014,  — IEC 60945:2002 + IEC 60945 Düz. 1:2008,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07  EN IEC 61162-450:2018,  — IEC 62288:2014.  — IEC 62923-1:2018 Ed. 2.0:2014-07,  — IEC 62923-1:2018.  — IEC 62923-2:2018.</p>			
<p>GTY/4.2  Verici manyetik rota cihazı  (Daha önce “Elektro-Manyetik Pusula” idi)  Sıra 2/2</p>	<p>Tip onay gereksinimleri  — Kural V/18,  — Kural V/19,  — Kural X/3,  — IMO Karar MSC.36(63)-1994 HSC Kod 13,  — IMO Karar MSC.97(73)-2000 HSC Kod 13,</p> <hr/> <p>Taşıma ve performans gereklilikleri  — Kural V/19,</p>	<p>— ISO 22090-2:2014,  — EN 60945:2002 + Iec 60945 Düz. 1:2008,  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998  EN61162-3:2008+A1:2010+A2:2014  EN IEC 61162-450:2018,  — EN IEC 62288:2022,  — EN IEC 62923-1:2018,</p>	<p>B+D  B+E  B+F  G</p>	<p>15.8.2022</p>	



1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36 (63)- 1994 HSC Kod 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod 13,</li> <li>— IMO Karar MSC.116(73),</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN IEC 62923-2:2018,</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— ISO 16328:2014,</li> <li>— IEC 60945 Düz. 1:2008 +, EN 60945:2002</li> <li>— IEC 61162 serisi: <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. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</li> </ul> </li> <li>— EN 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>GTY/4.3 Cayro pusula Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.424(X1),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>-EN ISO 8728:2014,</li> <li>— EN 60945:2002 + Iec 60945 Düz. 1:2008,</li> </ul> <p>— EN 61162 serisi:</p> <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN61162-3:2008+A1:2010+A2:2014</li> </ul> <ul style="list-style-type: none"> <li>— EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> </ul> <p>Veya:</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— ISO 8728:2014,</li> <li>— IEC 60945 Düz. 1:2008 +, EN 60945:2002</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve 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>			
GTY/4.3 Cayro pusula GTY/4.65'e alınmıştır. Sıra 2/2	Tip onay gereksinimleri Yeni sertifikalar için GTY/4.64 maddesine bakın. Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.64 maddesine bakın.	Test Standartları Yeni sertifikalar için GTY/4.64 maddesine bakın.	Yeni sertifikalar için GTY/4.64 maddesine bakın.	25.8.2021	
GTY/4.4 Radar teçhizatı-GTY/4.34, GTY/4.35 ve GTY/436'ya alınmıştır.					
GTY/4.5 Otomatik radar plotlama cihazı (ARPA) -GTY/4.34'e alınmıştır.					
GTY/4.6 Derinlik ölçme teçhizatı Sıra 1/2	Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar MSC.36(63)-1994 HSC Kod) 13,	-EN ISO 9875:2001 + ISO Tek. Düz. 1:2006 -EN 60945:2002 + IEC 60945 Düz. 1:2008	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

1	2	3	4	5	6
	<p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar A.224(VII)</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <p>— IMO Karar MSC.74(69),</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.302(87).</p>	<p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN61162-</p> <p>3:2008+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>Veya;</p> <p>-EN ISO 9875:2000 + ISO Tek. Düz. 1:2006</p> <p>-EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07</p> <p>— IEC 62923-1:2018</p> <p>— IEC 62923-2:2018.</p>			
<p>GTY/4.6</p> <p>Derinlik ölçme teçhizatı</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p> <p>— Kural X/3,</p>	<p>-EN ISO 9875:2001 + ISO Tek. Düz. 1:2006</p> <p>-EN 60945:2002 + IEC 60945 Düz. 1:2008</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<p>— IMO Karar MSC.36(63)-1994 HSC Kod) 13, — IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19, — IMO Karar A.224(VII) — IMO Karar A.694(17), — IMO Karar MSC.36(63)-1994 HSC Kod) 13, — IMO Karar MSC.97(73)-2000 HSC Kod) 13, — IMO Karar MSC.74(69), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).</p>	<p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 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, Veya; - ISO 9875:2000 + ISO Tek. Düz. 1:2006 -EN 60945:2002 + IEC 60945 Düz. 1:2008 — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021 — IEC 62923-1:2018 — IEC 62923-2:2018.</p>			
<p>GTY/4.7 Hız ve mesafe ölçme teçhizatı (SDME)</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18, — Kural X/3, — IMO Karar MSC.36(63)-1994 HSC Kod) 13,</p>	<p>-EN 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61023:2007, — EN 61162 serisi:</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.07.2025  (i)</p>

1	2	3	4	5	6
Sıra 1/2	<p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.824(19),</p> <p>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.302(87).</p>	<p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN61162-3:2008+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>Veya;</p> <p>-IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61023:2007,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07</p> <p>— IEC 62923-1:2018</p> <p>— IEC 62923-2:2018.</p>			
<p>GTY/4.7</p> <p>Hız ve mesafe ölçme teçhizatı (SDME)</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p>	<p>-EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61023:2007,</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.08.2022</p>	

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.824(19),</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<p>EN 61162-2:1998 EN61162-3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, — EN IEC 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018, Veya; -IEC 60945:2002 + IEC 60945 Düz. 1:2008 — IEC 61023:2007, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018 — IEC 62923-2:2018.</p>			
<p>GTY/4.8 Dümen açısı, devir ve pitch göstergeleri GTY/4.20, GTY/4.21 ve GTY/4.22'ye alınmıştır.</p>					
<p>GTY/4.9 Dönüş hızı göstergesi Sıra 1/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> </ul>	<p>-EN 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61162 serisi: EN 61162-1:2016</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025  (i)</p>

1	2	3	4	5	6
	<p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar MSC.526(13),</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.302(87).</p>	<p>EN 61162-2:1998</p> <p>EN61162-</p> <p>3:2008+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>ISO 20672:2007 + Düz. 1:2008,</p> <p>— EN IEC 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>Veya;</p> <p>-IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61023:2007,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. İle</p> <p>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>ISO 20672:2007 + Düz. 1:2008,</p> <p>— IEC 62288 Ed. 2.0:2014-7,</p> <p>— IEC 62923-1:2018</p> <p>— IEC 62923-2:2018.</p>			
<p>GTY/4.9</p> <p>Dönüş hızı göstergesi</p> <p>Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p>	<p>- EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	<p>10.10.2026</p> <p>(i)</p>

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar MSC.526(13),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<p>EN61162-3:2008+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008,</p> <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>Veya;</p> <p>-IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, ISO 20672:2007 + Düz. 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>GTY/4.9 Dönüş hızı göstergesi Sıra 3/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> </ul>	<p>- EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998</li> </ul> <p>EN61162-3:2008+A1:2010+A2:2014</p>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.526(13),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<p>EN IEC 61162-450:2018, ISO 20672:2022,</p> <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>Veya;</p> <p>-IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018, 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>			
<p>GTY/4.10 Yön bulma cihazı iptal edilmiştir.</p>					
<p>GTY/4.11 Loran-C teçhizatı (Uzun menzilli seyrüsefer cihazı) iptal edilmiştir.</p>					
<p>GTY/4.12 Çayka teçhizatı (100 kHz'de iletim yapan düşük frekanslı konum belirleme sistemi)) iptal edilmiştir.</p>					
<p>GTY/4.13 Decca seyir teçhizatı (Kısa menzilli seyrüsefer cihazı) iptal edilmiştir.</p>					

1	2	3	4	5	6
GTY/4.14 GPS teçhizatı Sıra 1/2	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.112(73),</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<p>-EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <ul style="list-style-type: none"> <li>— EN 61108-1:2003,</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008,</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62288-2:2018,</li> </ul> <p>Veya;</p> <p>-IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <ul style="list-style-type: none"> <li>— EN 61108-1 Ed. 2.0 :2003,</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008,</li> <li>— IEC 62288 Ed. 2.0:2014-7,</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>1.07.2025  (i)</p>

1	2	3	4	5	6
<p>GTY/4.14 GPS teçhizatı GTY/4.63'e alınmıştır. Sıra 2/2</p>	<p>Tip onay gereksinimleri Yeni sertifikalar için GTY/4.63 maddesine bakın.</p> <hr/> <p>Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.63 maddesine bakın.</p>	<p>Test Standartları Yeni sertifikalar için GTY/4.63 maddesine bakın.</p>	<p>Yeni sertifikalar için GTY/4.63 maddesine bakın.</p>	<p>25.8.2021</p>	
<p>GTY/4.15 GLONASS teçhizatı (Küresel Seyrüsefer Uydu Sistemi) Sıra 1/2</p>	<p>Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar MSC.36(63)-1994 HSC Kod) 13, — IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <hr/> <p>Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-1994 HSC Kod) 13, — IMO Karar MSC.97(73)-2000 HSC Kod) 13, — IMO Karar MSC.113(73), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).</p>	<p>-EN 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61108-2:1998, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008, — EN IEC 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018, Veya; -IEC 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61108-2 Ed. 1.0 :1998, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025  (i)</p>

1	2	3	4	5	6
		IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008, — IEC 62288 Ed. 2.0:2014-7, — IEC 62923-1:2018 — IEC 62923-2:2018.			
GTY/4.15 GLONASS teçhizatı (Küresel Seyrüsefer Uydu Sistemi) GTY/4.63'e alınmıştır. Sıra 2/2	Tip onay gereksinimleri Yeni sertifikalar için GTY/4.63 maddesine bakın.  Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.63 maddesine bakın.	Test Standartları Yeni sertifikalar için GTY/4.63 maddesine bakın.	Yeni sertifikalar için GTY/4.63 maddesine bakın.	25.8.2021	
GTY/4.16 Rota kontrol sistemi HCS (önceki otomatik pilot) Sıra 1/3	Tip onay gereksinimleri — Kural V/18.  Taşıma ve performans gereklilikleri — Kural V/18, — Kural V/19, — IMO Karar A.342(IX), — IMO Karar A.694(17), — IMO Karar MSC.191(79), — IMO Karar MSC.64(67) Ek 3,	— ISO 11674:2006, — EN 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008, — EN IEC 62288:2014, — EN IEC 62923-1:2018,	B+D B+E B+F G	13.9.2019	27.11.2022  (i)

1	2	3	4	5	6
	— IMO Karar MSC.302(87).	<p>— EN IEC 62923-2:2018, Veya; — ISO 11674:2006, — IEC 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61108-2 Ed. 1.0 :1998, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008, — IEC 62288 Ed. 2.0:2014-7, — IEC 62923-1:2018 — IEC 62923-2:2018.</p>			
<p>GTY/4.16 Rota kontrol sistemi HCS (önceki otomatik pilot) Sıra 2/3</p>	<p>Tip onay gereksinimleri — Kural V/18.</p> <hr/> <p>Taşıma ve performans gereklilikleri — Kural V/18, — Kural V/19, — IMO Karar A.342(IX), — IMO Karar A.694(17), — IMO Karar MSC.191(79), — IMO Karar MSC.64(67) Ek 3, — IMO Karar MSC.302(87).</p>	<p>— ISO 11674:2019, — EN 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, ISO 20672:2007 + Düz. 1:2008, — EN IEC 62288:2014,</p>	<p>B+D B+E B+F G</p>	<p>12.9.2020</p>	<p>1.7.2025  (i)</p>

1	2	3	4	5	6
		<p>— EN IEC 62923-1:2018,  — EN IEC 62923-2:2018,  Veya;  — ISO 11674:2019,  — IEC 60945:2002 + IEC 60945  Düz. 1:2008  — EN 61108-2 Ed. 1.0 :1998,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  IEC 61162-3 Ed.1.2 Consol. İle  A1 Ed. 1.0:2010-11 ve A2 Ed.  1.0:2014-07  IEC 61162-450:2018,  ISO 20672:2007 + Düz. 1:2008,  — IEC 62288 Ed. 2.0:2014-7,  — IEC 62923-1:2018  — IEC 62923-2:2018.</p>			
<p>GTY/4.16  Rota kontrol sistemi HCS  (önceki otomatik pilot)  Sıra 3/3</p>	<p>Tip onay gereksinimleri  — Kural V/18.</p> <hr/> <p>Taşıma ve performans gereklilikleri  — Kural V/18,  — Kural V/19,  — IMO Karar A.342(IX),  — IMO Karar A.694(17),  — IMO Karar MSC.191(79),  — IMO Karar MSC.64(67) Ek 3,  — IMO Karar MSC.302(87).</p>	<p>— ISO 11674:2019,  — EN 60945:2002 + IEC 60945  Düz. 1:2008  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998  EN61162-  3:2008+A1:2010+A2:2014  EN IEC 61162-450:2018,  ISO 20672:2007 + Düz. 1:2008,</p>	<p>B+D  B+E  B+F  G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— ISO 11674:2019,</li> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61108-2 Ed. 1.0 :1998,</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018,</li> <li>ISO 20672:2007 + Düz. 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>GTY/4.17 Mekanik yönlendirme vinci GTY/1.40'a alınmıştır.</p>					
<p>GTY/4.18 9GHz SAR arama ve kurtarma göndericisi (SART) Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural III/4,</li> <li>— Kural IV/14,</li> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008,</li> <li>— EN 61097-1:2007,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008,</li> </ul>	<p>B+D B+E B+F G</p>		<p>10.10.2026 (ii)</p>

1	2	3	4	5	6
	<p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/6,</p> <p>— Kural IV/7,</p> <p>— Kural III/26,</p> <p>— IMO Karar A.530(13),</p> <p>— IMO Karar A.802(19),</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</p> <p>— ITU-R M.628-5 (03/2012).</p>	<p>— IEC 61097-1:2007,</p>			
<p>GTY/4.18</p> <p>9GHz SAR arama ve kurtarma göndericisi (SART)</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural III/4,</p> <p>— Kural IV/14,</p> <p>— Kural V/18,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/6,</p> <p>— Kural IV/7,</p> <p>— Kural III/26,</p>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008,</p> <p>— EN 61097-1:2007,</p> <p>Veya;</p> <p>— IEC 60945:2002 + IEC 60945 Düz. 1:2008,</p> <p>— IEC 61097-1:2007,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar A.530(13),</li> <li>— IMO Karar A.802(19),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— ITU-R M.628-5 (03/2012).</li> </ul>				
GTY/4.19 Yüksek hızlı tekneler için radar teçhizatı GTY/1.37'ye alınmıştır.					
GTY/4.20 Dümen aç göstergesi Sıra 1/3	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 20673:2007,</li> <li>Veya;</li> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</li> </ul>	<ul style="list-style-type: none"> <li>B+D</li> <li>B+E</li> <li>B+F</li> <li>G</li> </ul>	13.9.2019	1.7.2025  (i)

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-7, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 20673:2007.</p>			
<p>GTY/4.20 Dümen aç ı göstergesi Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 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, — ISO 20673:2007, Veya; — IEC 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61108-2 Ed. 1.0 :1998, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	<p>10.10.2026  (i)</p>

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed.3.0:2021, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 20673:2007.</p>			
<p>GTY/4.20 Dümen aç göstergesi Sıra 3/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <p>Tařıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 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> <li>— ISO 20673:2022,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61108-2 Ed. 1.0 :1998,</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</li> </ul>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed.3.0:2021, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 20673:2022.</p>			
<p>GTY/4.21 Pervane devir göstergesi Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, — EN IEC 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018, — ISO 22554:2015, Veya; — IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025  (i)</p>

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-7, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 22554:2015.</p>			
<p>GTY/4.21 Pervane devir göstergesi Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62288-2:2018,</li> <li>— ISO 22554:2015,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 22554:2015.</p>			
<p>GTY/4.22 Pitch göstergesi Sıra 1/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 22555:2007,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</li> </ul>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025  (i)</p>

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-7, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 22555:2007.</p>			
<p>GTY/4.22 Pitch göstergesi Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018,</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 22555:2007,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	<p>10.10.2026  (i)</p>

1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 22555:2007.</p>			
<p>GTY/4.22 Pitch göstergesi Sıra 3/3</p>	<p>Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).</p>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, — EN IEC 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018, — ISO 22555:2022, Veya; — IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
		<p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018 — IEC 62923-2:2018, — ISO 22555:2022.</p>			
<p>GTY/4.23 Manyetik pusula — ‘B’ sınıfı can filikalari ve kurtarma botlari Sıra 1/2</p>	<p>Tip onay gereksinimleri — Kural III/4, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri — Kural III/34, — IMO Karar MSC.48(66)-(LSA Kod) IV, — IMO Karar MSC.48(66)-(LSA Kod) V, — IMO Karar MSC.36(63)-(1994 HSC Kod) 8, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 8, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p>	<p>— ISO 1069:1973, — ISO 25862:2009, — IEC 60945:2002 + IEC 60945 Düz. 1:2008</p>	<p>B+D B+E B+F G</p>		<p>12.8.2023  (ii)</p>
<p>GTY/4.23 Manyetik pusula — ‘B’ sınıfı can filikalari ve kurtarma botlari Sıra 2/2</p>	<p>Tip onay gereksinimleri — Kural III/4, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p>	<p>— ISO 1069:1973, — ISO 25862:2019, — IEC 60945:2002 + IEC 60945 Düz. 1:2008</p>	<p>B+D B+E B+F G</p>	<p>12.8.2020</p>	

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural III/34,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) IV,</li> <li>— IMO Karar MSC.48(66)-(LSA Kod) V,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 8,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 8,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul>				
Madde GTY/4.24, Yüksek hızlı tekneler için otomatik radar plotlama cihazı (ARPA) ---GTY/4.37'ye alınmıştır.					
Madde GTY/4.25, Otomatik rota cihazı (ATA) ---GTY/4.35'e alınmıştır.					
Madde GTY/4.26, Yüksek hızlı tekneler için otomatik rota cihazı (ATA)---GTY/4.38'e alınmıştır.					
Madde GTY/4.27, Elektronik plotlama cihazı ---GTY/4.36'ya alınmıştır.					
Madde GTY/4.28, Entegre köprü üstü sistemi ---GTY/4.30'a alınmıştır.					
<p>GTY/4.29</p> <p>Seyir veri kaydedicisi (VDR)</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod)13,</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/20,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945</li> <li>Düz. 1:2008</li> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN61162-</li> <li>3:2008+A1:2010+A2:2014</li> <li>EN 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>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO Karar MSC.333(90).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 61996-1 Düz.. 1:2014 + EN 61996-1:2013</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>Veya;</li> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018,</li> <li>IEC 61996-1 Ed.2.0:2013-05 + IEC 61996 -1 Düz. 1:2014,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018</li> <li>— IEC 62923-2:2018,</li> </ul>			
<p>GTY/4.29 Seyir veri kaydedicisi (VDR) Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod)13,</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN61162-3:2008+A1:2010+A2:2014</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.08.2022</p>	

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/20,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO Karar MSC.333(90).</li> </ul>	<p>EN IEC 61162-450:2018,  — IEC 61996-1:2013 + A1:2021  — EN IEC 62288:2022,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018,  Veya;  — IEC 60945:2002 + IEC 60945  Düz. 1:2008  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  IEC 61162-3 Ed.1.2 Consol. İle  A1 Ed. 1.0:2010-11 ve 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,</p>			
<p>GTY/4.30  Yedekleme düzenekli  elektronik harita görüntüleme  ve bilgi sistemi (ECDIS) ve  raster harita görüntüleme  sistemi (RCDS)  Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural V/27,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> </ul>	<p>— EN 60945:2002 + IEC 60945  Düz. 1:2008  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998  EN61162-  3:2008+A1:2010+A2:2014</p>	<p>B+D  B+E  B+F  G</p>	<p>13.9.2018</p>	<p>1.1.2024  (i)</p>

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36 (63) - (1994 HSC Kod 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.232(82),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirküler1503. Rev1.</li> </ul> <p>[Yedekleme düzenekli ECDIS ve RCDS yalnızca bu düzenek ECDIS'e dahil edildiğinde uygulanabilir. Modül B sertifikası bu düzeneklerin test edilip edilmediğini gösterir.]</p>	<p>EN IEC 61162-450:2018,</p> <ul style="list-style-type: none"> <li>— EN 61174:2015,</li> <li>— EN IEC 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</li> <li>IEC 61162-450:2018,</li> <li>IEC 61996-1 Ed.2.0:2013-05 + IEC 61996 -1 Düz. 1:2014,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62923-1:2018</li> <li>— IEC 62923-2:2018,</li> </ul>			
<p>GTY/4.30</p> <p>Yedekleme düzenekli elektronik harita görüntüleme ve bilgi sistemi (ECDIS) ve raster harita görüntüleme sistemi (RCDS)</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural V/27,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> </ul> <p>Taşıma ve performans gereklilikleri</p>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi: 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> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<p>— Kural V/19,  — IMO Karar A.694(17),  — IMO Karar MSC.36 (63)- (1994 HSC Kod 13,  — IMO Karar MSC.97(73)-2000 HSC Kod)13,  — IMO Karar MSC.191(79),  — IMO Karar MSC.232(82),  — IMO Karar MSC.302(87),  — IMO MSC.1/Sirküler1503. Rev1.  [Yedekleme düzenekli ECDIS ve RCDS yalnızca bu düzenek ECDIS'e dahil edildiğinde uygulanabilir. Modül B sertifikası bu düzeneklerin test edilip edilmediğini gösterir.]</p>	<p>— EN 61174:2015,  — EN IEC 62288:2022,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018,  Not: EN 61174 Ek S (normatif) ayrıca IEC PAS 61174-1:2021 uyarınca test edilebilir.  Veya;  — IEC 60945:2002 + IEC 60945 Düz. 1:2008  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07  IEC 61162-450:2018,  — EN 61174 Ed. 4.0:2015,  — IEC 62288 Ed. 3.0:2021,  — IEC 62923-1:2018  — IEC 62923-2:2018,  Not: EN 61174 Ek S (normatif) ayrıca IEC PAS 61174-1:2021 uyarınca test edilebilir.</p>			
GTY/4.31	Tip onay gereksinimleri	— ISO 16328:2014,	B+D B+E	13.9.2018	1.7.2025

1	2	3	4	5	6
<p>Yüksek hızlı tekneler için cayro pusula</p> <p>Sıra 1/2</p>	<p>— Kural X/3, — IMO Karar MSC.36(63)-1994 HSC Kod) 13, — IMO Karar MSC.97(73)-2000 HSC Kod) 13, Taşıma ve performans gereklilikleri</p> <p>— IMO Karar A.694(17), — IMO Karar A.821(19), — IMO Karar MSC.36 (63)- (1994 HSC Kod 13, — IMO Karar MSC.97(73)-2000 HSC Kod)13, — IMO Karar MSC.191(79), — IMO Karar MSC.302(87), — IMO MSC.1/Sirküler1349.</p>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61162 serisi: 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,</p> <p>Veya;</p> <p>— ISO 16328:2014, — IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — EN 61174 Ed. 4.0:2015, — IEC 62288 Ed.2.0:2014-07, — IEC 62923-1:2018 — IEC 62923-2:2018,</p>	<p>B+F G</p>		<p>(i)</p>

1	2	3	4	5	6
<p>GTY/4.31</p> <p>Yüksek hızlı tekneler için cayro pusula</p> <p>GTY/4.65'e alınmıştır.</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>Yeni sertifikalar için GTY/4.6 maddesine bakın.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>Yeni sertifikalar için GTY/4.65 maddesine bakın.</p>	<p>Test Standartları</p> <p>Yeni sertifikalar için GTY/4.65 maddesine bakın.</p>	<p>Yeni sertifikalar için GTY/4.65 maddesine bakın.</p>	<p>25.8.2021</p>	
<p>GTY/4.32</p> <p>Üniversal otomatik tanımlama sistemi teçhizatı (AIS)</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36 (63)- (1994 HSC Kod 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.74(69),</li> <li>— IMO Karar MSC.191(79),</li> <li>— ITU-RM-1371-5 (02-2014) Not: ITU-RM 1371-5 (02-2014) sadece IMO Karar MSC.74(69) kurallarına göre uygulanabilir.</li> </ul>	<p>— EN 60945:2002 + IEC 60945</p> <p>Düz. 1:2008</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi:</li> <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> <hr/> <ul style="list-style-type: none"> <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>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945</li> </ul> <p>Düz. 1:2008</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>IEC 61162-3 Ed.1.2 Consol. İle</li> <li>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</li> <li>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>



1	2	3	4	5	6
		<ul style="list-style-type: none"> <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>GTY/4.32</p> <p>Üniversal otomatik tanımlama sistemi teçhizatı (AIS)</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36 (63)- (1994 HSC Kod 13,</li> <li>— IMO Karar MSC.97(73)-2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.74(69),</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— ITU-RM-1371-5 (02-2014) Not: ITU-RM 1371-5 (02-2014) sadece IMO Karar MSC.74(69) kurallarına göre uygulanabilir.</li> </ul>	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008,</li> <li>— EN 61162 serisi: 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 61993-2:2018,</li> <li>— EN 62288:2022</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018,</li> <li>— IEC 61993-2:2018,</li> <li>— IEC 62288 Ed.3.0:2021,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 62923-1:2018</li> <li>— IEC 62923-2:2018,</li> </ul>			
GTY/4.33 Rota kontrol sistemi (geminin minimum manevra hızının 30 knotta çalışması )  Sıra 1/2	Tip onay gereksinimleri — Kural V/18,  Taşıma ve performans gereklilikleri  — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.74(69), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).	<ul style="list-style-type: none"> <li>— EN 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— EN 61162 serisi:                EN 61162-1:2016                EN 61162-2:1998                EN 61162-3:2008+A1:2010+A2:2014                EN IEC 61162-450:2018,</li> <li>— EN 62065:2014,</li> <li>— EN 62288:2014,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>Veya;</li> <li>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</li> <li>— IEC 61162 serisi:                IEC 61162-1:2016                IEC 61162-2 Ed.1.0:1998-09                IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07                IEC 61162-450:2018,</li> <li>— IEC 62065 Ed. 2.0:2014-02,</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)

1	2	3	4	5	6
<p>GTY/4.33</p> <p>Rota kontrol sistemi</p> <p>(geminin minimum manevra hızının 30 knotta çalışması )</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.74(69),</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.302(87).</p>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62065:2014,</p> <p>— EN 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>Veya;</p> <p>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07</p> <p>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+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
<p>GTY/4.34 Radar teçhizatı CAT 1</p> <p>GTY/4.64'e alınmıştır.</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19, — IMO Karar A.278(VIII), — IMO Karar A.694(17), — IMO Karar MSC.191(79), — IMO Karar MSC.192(79), — IMO Karar MSC.302(87), — ITU-R M.1177-4 (04/11).</p>	<p>— EN 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018,</p> <p>— EN 62288:2014, — EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018,</p> <p>Veya;</p> <p>— IEC 60945:2002 + IEC 60945 Düz. 1:2008</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62388 Ed. 2.0:2013-06, — IEC 62923-1:2018 — IEC 62923-2:2018,</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.1.2024</p> <p>(i)</p>
<p>GTY/4.34</p>	<p>Tip onay gereksinimleri</p> <p>Yeni sertifikalar için GTY/4.64 maddesine bakın.</p>	<p>Test Standartları</p>	<p>Yeni sertifikalar için GTY/4.64 maddesine</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
Radar teçhizatı CAT 1 Sıra 2/2		Yeni sertifikalar için GTY/4.64 maddesine bakın.	bakın.		
	Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.64 maddesine bakın.				
GTY/4.35 Radar teçhizatı CAT 2 Sıra 1/2	Tip onay gereksinimleri — Kural V/18,	— EN 60945:2002 + IEC 60945 Düz. 1:2008 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162- 3:2008+A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2014, — EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018, Veya; — IEC 60945:2002 + IEC 60945 Düz. 1:2008 — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 Ed.1.2 Consol. İle A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62388 Ed. 2.0:2013-06,	B+D B+E B+F G	13.9.2019	1.1.2024  (i)
	Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.278(VIII), — IMO Karar A.694(17), — IMO Karar MSC.191(79), — IMO Karar MSC.192(79), — IMO Karar MSC.302(87), — ITU-R M.1177-4 (04/11).				

1	2	3	4	5	6
		— IEC 62923-1:2018 — IEC 62923-2:2018,			
GTY/4.35 Radar teçhizatı CAT 2 GTY/4.64'e alınmıştır.  Sıra 2/2	Tip onay gereksinimleri Yeni sertifikalar için GTY/4.64 maddesine bakın.	Test Standartları Yeni sertifikalar için GTY/4.64 maddesine bakın.	Yeni sertifikalar için GTY/4.64 maddesine bakın.	25.8.2021	
GTY/4.36 Radar teçhizatı CAT 3 (IEC 62388 (2007) Bölüm 1.3'de tanımlanan radar teçhizat kategorisi)  Sıra 1/2	Tip onay gereksinimleri — Kural V/18,  Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.278(VIII), — IMO Karar A.694(17), — IMO Karar MSC.191(79), — IMO Karar MSC.192(79), — IMO Karar MSC.302(87), — ITU-R M.1177-4 (04/11).	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008+A1:2010+A2:2014 EN 61162-450:2018 — EN 62288:2014, — EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.  Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — IEC 61162 serisi: IEC 61162-1:2016	B+D B+E B+F G	13.9.2019	1.1.2024 (i)

1	2	3	4	5	6
		<p>IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450: — IEC 62288 Ed. 2.0:2014-07, — IEC 62388 Ed. 2.0:2013-06, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.</p>			
<p>GTY/4.36 Radar teçhizatı CAT 3  Sıra 2/2 GYT/4.64'e alınmıştır.</p>	<p>Tip onay gereksinimleri</p> <p>— Yeni sertifikalar için GTY/4.64'e bakınız</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Yeni sertifikalar için GTY/4.64'e bakınız</p>	<p>Test standartları</p> <p>Yeni sertifikalar için GTY/4.64'e bakınız</p>	<p>Yeni sertifikalar için GTY/4.64'e bakınız</p>	<p>25.8.2021</p>	
	<p>Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.64 maddesine bakın.</p>				

1	2	3	4	5	6
<p>GTY/4.37</p> <p>Yüksek hızlı tekne uygulamaları için radar teçhizatları (CAT 1H ve CAT 2H)</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar A.278(VIII),</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.192(79),</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO MSC.1/ Sirküler 1349,</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008+A1:2010+A2: 2014</p> <p>EN 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Veya:</p> <p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:200,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0:2013-06,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN 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>1.1.2024</p> <p>(i)</p>



1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— IMO Karar A.278(VIII),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.192(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/ Sirküler 1349,</li> <li>— ITU-R M.1177-4 (04/11).</li> </ul>				
<p>GTY/4.37 Yüksek hızlı tekne uygulamaları için radar teçhizatları (CAT 1H ve CAT 2H)  GTY/4.64'e alınmıştır.  Sıra 2/2</p>	<p>Tip onay gereksinimleri Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p> <hr/> <p>Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>	<p>Test Standartları Yeni sertifikalar için GTY/4.64 maddesine bakın.</p>	<p>Yeni sertifikalar için GTY/4.64 maddesine bakın.</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
<p>GTY/4.38a Harita seçeneği ile onaylı radar teçhizatı: — CAT 1C Sıra 1/3</p>	<p>Tip onay gereksinimleri — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri  — IMO Karar A.278(VIII), — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.191(79), — IMO Karar MSC.192(79), — IMO Karar MSC.302(87), — ITU-R M.1177-4 (04/11).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2: 2014 EN 61162-450:2018 — EN 62288:2014, — EN 62388:2013., — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.</p> <p>Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450:2018 — IEC 62288 Ed. 2.0:2014-07, — IEC 62388 Ed. 2.0:2013-06,</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>12.8.2023  (i)</p>

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul>			
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— IMO Karar A.278(VIII),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.192(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— ITU-R M.1177-4 (04/11).</li> </ul>				
<p>GTY/4.38a Harita seçeneği ile onaylı radar teçhizatı: — CAT 1C Sıra 2/3</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— IMO Karar A.278(VIII),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.191(79),</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</li> <li>— EN 61162 serisi: 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 62388:2013,</li> </ul>	<p>B+D B+E B+F G</p>	<p>12.8.2020</p>	<p>1.1.2024  (i)</p>

1	2	3	4	5	6
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	<p>— IMO Karar MSC.192(79),</p> <p>— IMO Karar MSC.302(87),</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Veya:</p> <p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62388 Ed. 2.0: 2013-06,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>GTY/4.38a</p> <p>Harita seçeneği ile onaylı radar teçhizatı:</p> <p>— CAT 1C</p>	<p>Tip onay gereksinimleri</p> <p>Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>	<p>Test Standartları</p> <p>Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>	<p>Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
<p>NOT: Yeni sertifikalar GTY/4.64 CAT1'e göre yapılacaktır.</p> <p>Sıra 3/3</p>	<p>Taşıma ve performans gereklilikleri</p> <p>Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>				
<p>GTY/4.38b</p> <p>Harita seçeneği ile onaylı radar teçhizatı:</p> <p>— CAT 2C</p> <p>Sıra 1/3</p>	<p>Tip onay gereksinimleri</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar A.278(VIII),</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.192(79),</p> <p>— IMO Karar MSC.302(87),</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN 61162-450:2018</p> <p>— EN 62288:2014,</p> <p>— EN 62388:2013,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>Veya:</p> <p>— — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>19.6.2018</p>	<p>29.8.2021</p> <p>(i)</p>

1	2	3	4	5	6
		<p>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2</p> <p>IEC 61162-450:2018,  — IEC 62288 Ed. 2.0:2014-07,  — IEC 62388 Ed. 2.0:2013-06,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
	<p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar A.278(VIII),  — IMO Karar A.694(17),  — IMO Karar MSC.36(63)-(1994 HSC Kod) 13,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 13,  — IMO Karar MSC.191(79),  — IMO Karar MSC.192(79),  — IMO Karar MSC.302(87),  — ITU-R M.1177-4 (04/11).</p>				
<p>GTY/4.38b  Harita seçeneği ile onaylı radar teçhizatı:  — CAT 2C</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,  — EN 61162 serisi:  EN 61162-1:2016</p>	<p>B+D  B+E  B+F  G</p>	<p>12.8.2020</p>	<p>1.1.2024  (i)</p>

1	2	3	4	5	6
Sıra 2/3	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— IMO Karar A.278(VIII),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.192(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— ITU-R M.1177-4 (04/11).</li> </ul>	<p>EN 61162-2:1998  EN 61162-3:2008  +A1:2010+A2:2014  EN IEC 61162-450:2018,  — EN 62288:2014,  — EN 62388:2013,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018.  Veya:  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve A2 Ed.  1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1.2 IEC 61162-  450:2018,  — IEC 62288 Ed. 2.0:2014-07,  — IEC 62388 Ed. 2.0: 2013-06,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/4.38b  Harita seçeneği ile onaylı  radar teçhizatı:  — CAT 2C</p>	<p>Tip onay gereksinimleri  Yeni sertifikalar için GTY/4.64 maddesine bakın.</p>	<p>Test Standartları  Yeni sertifikalar için GTY/4.64  maddesine bakın.</p>	<p>Yeni sertifikalar için  GTY/4.64 maddesine  bakın.</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
<p>NOT: Yeni sertifikalar GTY/4.64 CAT2'ye göre yapılacaktır.</p> <p>Sıra 3/3</p>	<p>Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.64 maddesine bakın.</p>				
<p>GTY/4.38c Harita seçeneği ile onaylı yüksek hızlı tekne uygulamaları için radar teçhizatı: — CAT 1HC Sıra 1/2</p>	<p>Tip onay gereksinimleri — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri — IMO Karar A.278(VIII), — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.191(79), — IMO Karar MSC.192(79), — IMO Karar MSC.302(87), — ITU-R M.1177-4 (04/11). — IMO MSC.1/Sirküler 1349.</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2018, — EN 62288:2014, — EN 62388:2013, — IEC 62923-1:2018, — IEC 62923-2:2018. Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450:2018 — IEC 62288 Ed. 2.0:2014-07,</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.1.2024  (i)</p>



1	2	3	4	5	6
		— IEC 62388 Ed. 2.0: 2013-06, — IEC 62923-1:2018, — IEC 62923-2:2018.			
GTY/4.38c Harita seçeneği ile onaylı radar teçhizatı: — CAT 1HC NOT: Yeni sertifikalar GTY/4.64 CAT1H'ye göre yapılacaktır. Sıra 2/2	Tip onay gereksinimleri Yeni sertifikalar için GTY/4.64 maddesine bakınız.  Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.64 maddesine bakınız.	Test Standartları Yeni sertifikalar için GTY/4.64 maddesine bakınız.	Yeni sertifikalar için GTY/4.64 maddesine bakınız.	25.8.2021	
GTY/4.38d Harita seçeneği ile onaylı yüksek hızlı tekne uygulamaları için radar teçhizatı: — CAT 2HC Sıra 1/2	Tip onay gereksinimleri — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.  Taşıma ve performans gereklilikleri — IMO Karar A.278(VIII), — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.191(79), — IMO Karar MSC.192(79), — IMO Karar MSC.302(87),	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450: 2018, — EN 62288:2014, — EN 62388:2013-,, — IEC 62923-1:2018, — IEC 62923-2:2018. Veya:	B+D B+E B+F G	13.9.2019	1.1.2024  (i)

1	2	3	4	5	6
	<p>— ITU-R M.1177-4 (04/11).  — IMO MSC.1/Sirküler 1349  — ITU-R M.1177-4 (04/11).</p>	<p>— IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve A2 Ed.  1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1 IEC 61162-  450:2018,  — IEC 62288 Ed. 2.0:2014-07,  —IEC 62388:2013-06,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/4.38d  Harita seçeneği ile onaylı  radar teçhizatı:  — CAT 2HC  NOT: Yeni sertifikalar  GTY/4.64 CAT2H'ye göre  yapılacaktır.  Sıra 2/2</p>	<p>Tip onay gereksinimleri  Yeni sertifikalar için GTY/4.64 maddesine  bakınız.  Taşıma ve performans gereklilikleri  Yeni sertifikalar için GTY/4.64 maddesine  bakınız.</p>	<p>Test Standartları  Yeni sertifikalar için GTY/4.64  maddesine bakınız.</p>	<p>Yeni sertifikalar için  GTY/4.64 maddesine  bakınız.</p>	<p>25.8.2021</p>	
<p>GTY/4.39  Radar yansıtıcısı- Pasif tip  Sıra 1/1</p>	<p>Tip onay gereksinimleri  — Kural V/18,  — Kural X/3,  — IMO Karar 1 MSC.36(63)-(1994 HSC Kod) 13,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p>	<p>— ISO 8729-1:2010,  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  Veya:</p>	<p>B+D  B+E  B+F  G</p>		

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.164(78).</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 8729-1:2010,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p>			
<p>GTY/4.40</p> <p>Yüksek hızlı tekneler için</p> <p>Rota Kontrol Sistemi HCS</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.822(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirküler1349.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002— EN 61162 serisi:</p> <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> </ul> <p>+A1:2010+A2:2014</p> <ul style="list-style-type: none"> <li>EN 611622018,</li> </ul> <ul style="list-style-type: none"> <li>— EN 62288:2014.,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002— IEC 61162 serisi:</p> <ul style="list-style-type: none"> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş</li> <li>IEC 61162-3 Ed.1.0</li> <li>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>

1	2	3	4	5	6
		<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>GTY/4.40 Yüksek hızlı tekneler için Rota Kontrol Sistemi HCS Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.822(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirküler1349.</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002— EN 61162 serisi:</p> <ul style="list-style-type: none"> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> </ul> <p>+A1:2010+A2:2014</p> <ul style="list-style-type: none"> <li>EN 61162-450:2018,</li> <li>— EN 62288:2022.,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— ISO 16329:2003,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş</li> <li>IEC 61162-3 Ed.1.0 IEC 61162-450:2018,</li> <li>— IEC 62288 Ed. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> </ul>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
<p>GTY/4.41 Gönderici rota cihazı THD (GNSS metodu) Sıra 1/2</p>	<p>Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.116(73), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).</p>	<p>— IEC 62923-2:2018.</p> <p>— ISO 22090-3:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 — EN 62288:2014 , — IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>— IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>Veya: — ISO 22090-3:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>Ve uygulanabilir olarak: — IEC 61162 serisi: EN 61162-3:2008 +A1:2010+A2:2014</p>	<p>B+D B+E B+F G</p>	<p>13.9.2019</p>	<p>1.7.2025  (i)</p>

1	2	3	4	5	6
		<p>EN 61162-450:2018.</p> <p>Veya:</p> <p>— IEC 61162 serisi: A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.0IEC 61162-450:2018.</p>			
<p>GTY/4.41 Gönderici rota cihazı THD (GNSS metodu) Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.116(73), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).</p>	<p>— ISO 22090-3:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998, — EN 62288:2022. — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.</p> <p>Veya:</p> <p>— ISO 22090-3:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09, — IEC 62288 Ed. 3.0:2021. — IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>Ve uygulanabilir olarak:</p> <p>— EN 61162 serisi:</p>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018 Veya: — IEC 61162 serisi: A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.0IEC 61162- 450:2018			
GTY/4.42 Yüksek hızlı tekneler için projektör Sıra 1/1	Tip onay gereksinimleri — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13. Taşıma ve performans gereklilikleri — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.	— ISO 17884:2004, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 Ya da: — ISO 17884:2004, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002	B+D B+E B+F G		
GTY/4.43 Yüksek hızlı tekneler için gece görüş teçhizatı Sıra 1/2	Tip onay gereksinimleri — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13. Taşıma ve performans gereklilikleri — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.94(72), — IMO Karar MSC.97(73)-(2000 HSC Kod) 13. — IMO Karar MSC.191(79).	— ISO 16273:2003, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 62288:2014. Veya: — ISO 16273:2003, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — IEC 62288 Ed. 2.0:2014-07.	B+D B+E B+F G		1.7.2025 (i)

1	2	3	4	5	6
<p>GTY/4.43</p> <p>Yüksek hızlı tekneler için gece görüş teçhizatı</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural X/3,</p> <p>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.94(72),</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>— IMO Karar MSC.191(79).</p>	<p>— ISO 16273:2020,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002</p> <p>— EN 62288:2022.</p> <p>Veya:</p> <p>— ISO 16273:2020,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002</p> <p>— IEC 62288 Ed. 3.0:2021.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	15.08.2022	
<p>GTY/4.44</p> <p>DGPS ve DGLONASS teçhizatları için diferansiyel uyarı alıcısı</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p> <p>— Kural X/3,</p> <p>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</p> <p>— IMO Karar MSC.114(73),</p>	<p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002.</p> <p>— IEC 61108-4: 2004,</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018.</p> <p>Veya:</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002,</p> <p>— IEC 61108-4: 2004,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>A1 Ed. 1.0:2010-11 ve A2</p> <p>Ed. 1.0:2014-07 ile konsolide</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	13.9.2019	1.7.2025 (i)



1	2	3	4	5	6
		edilmiş IEC 61162-3 Ed.1.0 IEC 61162-450:2018.			
GTY/4.44 DGPS ve DGLONASS teçhizatları için diferansiyel uyarı alıcısı GTY /4.63'e alınmıştır. Sıra 2/2	Tip onay gereksinimleri Yeni sertifikalar için GTY/4.63 maddesine bakınız. Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.63 maddesine bakınız.	Test Standartları Yeni sertifikalar için GTY/4.63 maddesine bakınız.	Yeni sertifikalar için GTY/4.63 maddesine bakınız.	25.8.2021	
Madde GTY/4.45 Gemi radarı için harita düzenleri- Madde GTY/4.38 kapsamında olduğu için madde silindi.					
GTY/4.46 Gönderici rota cihazı THD (çayroskopik yöntem) Sıra 1/2	Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13. Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.116(73), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87),	— ISO 22090-1:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450: 2018, — EN 62288:2014, — IEC 62923-1:2018, — IEC 62923-2:2018.  Veya: — ISO 22090-1:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002	B+D B+E B+F G	13.9.2019	1.7.2025  (i)

1	2	3	4	5	6
		<p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.0 IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			
<p>GTY/4.46 Gönderici rota cihazı THD (cayroskopik yöntem) Sıra 2/2</p>	<p>Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar 1 MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.116(73), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).</p>	<p>— ISO 22090-1:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2018, — EN 62288:2014. — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Veya: — ISO 22090-1:2014, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002— IEC 61162 serisi: IEC 61162-1:2016</p>	<p>B+D B+E B+F G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.0 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.			
GTY/4.47 Basitleştirilmiş seyir veri kaydedicisi (S-VDR) Sıra 1/2	Tip onay gereksinimleri — Kural V/20. Taşıma ve performans gereklilikleri — Kural V/20, — IMO Karar A.694(17), — IMO Karar MSC.163(78), — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450::2018, —EN 61996-2:2008, —EN 62288:2014, — IEC 62923-1:2018, — IEC 62923-2:2018. Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

1	2	3	4	5	6
		<p>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3</p> <p>IEC 61162-450:2018,  — IEC 61996-2:2007,  — IEC 62288 Ed. 2.0:2014-07,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/4.47  Basitleştirilmiş seyir veri kaydedicisi (S-VDR)  Sıra 2/2</p>	<p>Tip onay gereksinimleri  — Kural V/20.</p> <p>Taşıma ve performans gereklilikleri  — Kural V/20,  — IMO Karar A.694(17),  — IMO Karar MSC.163(78),  — IMO Karar MSC.191(79),  — IMO Karar MSC.302(87).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998  EN 61162-3:2008  +A1:2010+A2:2014  EN 61162-450:2018,  —EN 61996-2:2008,  —EN 62288:2022,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018.</p> <p>Veya:  — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09</p>	<p>B+D  B+E  B+F  G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
		A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018, — IEC 61996-2:2007, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.			
Madde GTY/4.48, 1 Temmuz 2012’de yürürlüğe giren IMO Karar MSC.308(88) gereğince ‘Mekanik pilot vinç kullanılmayacaktır’ kasıtlı olarak boş bırakılmıştır.					
GTY/4.49 Pilot çarmıhı Sıra 1/2	Tip onay gereksinimleri — Kural V/23, — Kural X/3, Taşıma ve performans gereklilikleri — Kural V/23, — IMO Karar A.1045(27), — IMO MSC/Sirküler 1428.	—IMO Karar A.1045(27), güncelleştirilmiş şekliyle — ISO 799:2004.	B+D B+E B+F G		12.8.2023  (i)
GTY/4.49 Pilot çarmıhı Sıra 2/2	Tip onay gereksinimleri — Kural V/23, — Kural X/3, Taşıma ve performans gereklilikleri — Kural V/23, — IMO Karar A.1045(27), — IMO MSC/Sirküler 1428.	—IMO Karar A.1045(27), güncelleştirilmiş şekliyle — ISO 799-1:2019.	B+D B+E B+F G	12.8.2020	

1	2	3	4	5	6
GTY/4.50 DGPS teçhizatı Sıra 1/2	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Kural MSC.112(73),</li> <li>— IMO Kural MSC.114(73),</li> <li>— IMO Kural. MSC.191(79),</li> <li>— IMO Kural MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— EN 61108-1:2003,</li> <li>— EN 61108-4:2004,</li> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>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>Veya:</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <ul style="list-style-type: none"> <li>— IEC 61108-1: 2003,</li> <li>— IEC 61108-4: 2004,</li> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> </ul>	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

1	2	3	4	5	6
		A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018, — IEC 62288 Ed. 2.0:2014-07, — IEC 62923-1:2018, — IEC 62923-2:2018.			
GTY/4.50 DGPS teçhizatı GTY/4.63'e alınmıştır. Sıra 2/2	Tip onay gereksinimleri Yeni sertifikalar için GTY/4.63 maddesine bakınız. Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.63 maddesine bakınız.	Test Standartları Yeni sertifikalar için GTY/4.63 maddesine bakınız.	Yeni sertifikalar için GTY/4.63 maddesine bakınız.	25.8.2021	
GTY/4.51 DGLONASS teçhizatı Sıra12/2	Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar 1 MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13. Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Kural MSC.113(73), — IMO Kural MSC.114(73), — IMO Kural. MSC.191(79), — IMO Kural MSC.302(87).	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61108-2:1998, — EN 61108-4:2004, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN 61162-450:2018, —EN 62288:2014, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Veya:	B+D B+E B+F G	13.9.2019	1.7.2025 (i)

1	2	3	4	5	6
		<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— IEC 61108-2 Ed. 1.0:1998,</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>GTY/4.51 DGLONASS teçhizatı GTY/4.63'e alınmıştır. Sıra 2/2</p>	<p>Tip onay gereksinimleri Yeni sertifikalar için GTY/4.63 maddesine bakınız.</p> <p>Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.63 maddesine bakınız.</p>	<p>Test Standartları Yeni sertifikalar için GTY/4.63 maddesine bakınız.</p>	<p>Yeni sertifikalar için GTY/4.63 maddesine bakınız.</p>	25.8.2021	
<p>GTY/4.52 Gün ışığı sinyal lambası Sıra 1/1</p>	<p>Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod), — IMO Karar MSC.97(73)-(2000 HSC Kod).</p> <p>Taşıma ve performans gereklilikleri — Kural V/19,</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,. — ISO 25861:2007. Ya da: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — ISO 25861:2007.</p>	<p>B+D B+E B+F</p>		



1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod),</li> <li>— IMO Karar MSC.95258(72)</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod),</li> </ul>				
GTY/4.53 Radar hedef yükseltici Sıra 1/1	Tip onay gereksinimleri <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> Taşıma ve performans gereklilikleri <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar 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> <li>— IEC 60945 düzeltme 1:2008</li> </ul> içeren EN 60945:2002,. Ya da: <ul style="list-style-type: none"> <li>— ISO 8729-2:2009,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> içeren EN 60945:2002,.	B+D B+E B+F G		
GTY/4.54 Pusula taşıma cihazı Sıra 1/2	Tip onay gereksinimleri <ul style="list-style-type: none"> <li>— Kural V/18,</li> </ul> Taşıma ve performans gereklilikleri <ul style="list-style-type: none"> <li>— Kural V/19,</li> </ul>	<ul style="list-style-type: none"> <li>— ISO 25862:2009,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> içeren EN 60945:2002. Veya: <ul style="list-style-type: none"> <li>— ISO 25862:2009,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> içeren EN 60945:2002.	B+D B+E B+F G		12.8.2023  (i)

1	2	3	4	5	6
GTY/4.54 Pusula taşıma cihazı Sıra 2/2	Tip onay gereksinimleri — Kural V/18,	— ISO 25862:2009, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002. Veya:	B+D B+E B+F G	12.8.2020	
	Taşıma ve performans gereklilikleri — Kural V/19,	— ISO 25862:2009, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002.			
GTY/4.55 Arama kurtarma yer tespit cihazları(SRLD) AIS SART teçhizatları Sıra 1/1	Tip onay gereksinimleri — Kural III/4, — Kural IV/14.	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002. — EN 61097-14:2010. Veya:	B+D B+E B+F G		
	Taşıma ve performans gereklilikleri — Kural III/6, — Kural III/26, — Kural IV/7, — IMO Karar MSC.246(83), — ITU-R M.1371-5:2014.	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — IEC 61097-14:2010.			
GTY/4.56 Galileo teçhizatı Sıra 1/2	Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar 1 MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002. — EN 61108-3:2010, — EN 61162 serisi: 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,	B+D B+E B+F G	13.9.2019	1.7.2025  (i)
	Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Kural. MSC.191(79),				

1	2	3	4	5	6
	<p>— IMO Kural. MSC.233(82),</p> <p>— IMO Kural MSC.302(87).</p>	<p>— IEC 62923-2:2018.</p> <p>Veya:</p> <p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— IEC 61108-3:2010,</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>GTY/4.56</p> <p>Galileo teçhizatı</p> <p>GTY/4.63''' alınmıştır.</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <p>Yeni sertifikalar için GTY/4.63 maddesine bakınız.</p> <p>Taşıma ve performans gereklilikleri</p> <p>Yeni sertifikalar için GTY/4.63 maddesine bakınız.</p>	<p>Test Standartları</p> <p>Yeni sertifikalar için GTY/4.63 maddesine bakınız.</p>	<p>Yeni sertifikalar için</p> <p>GTY/4.63 maddesine bakınız.</p>	<p>25.8.2021</p>	
<p>GTY/4.57</p> <p>Köprü üstü Seyir Takip Alarm Sistemi</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Kural. MSC.128(75),</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</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>

1	2	3	4	5	6
	<p>— IMO Kural. MSC.191(79),  — IMO Kural MSC.302(87),  — IMO MSC.1/Sirküler 1474.</p>	<p>EN 61162-450::2018,  — EN 62288:2014,  — IEC 62616 düzeltme 1:2012  içeren EN 62616:2010,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p> <p>Veya:  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve  A2 Ed. 1.0:2014-07 ile konsolide  edilmiş IEC 61162-3  IEC 61162-450:2018,  — IEC 62288 Ed. 2.0:2014-07,  — IEC 62616 düzeltme 1:2012  içeren EN 62616:2010— IEC  62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/4.57  Köprü üstü Seyir Takip Alarm  Sistemi  Sıra 2/2</p>	<p>Tip onay gereksinimleri  — Kural V/18.</p> <p>Taşıma ve performans gereklilikleri  — Kural V/19,  — IMO Karar A.694(17),  — IMO Kural. MSC.128(75),</p>	<p>— IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998</p>	<p>B+D  B+E  B+F  G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<p>— IMO Kural. MSC.191(79),  — IMO Kural MSC.302(87),  — IMO MSC.1/Sirküler 1474.</p>	<p>EN 61162-3:2008  +A1:2010+A2:2014  EN IEC 61162-450:2018,  — EN 62288:2022,  — IEC 62616 düzeltme 1:2012  içeren EN 62616:2010,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018.  Veya:  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve  A2 Ed. 1.0:2014-07 ile konsolide  edilmiş IEC 61162-3 IEC 61162-  450:2018,  — IEC 62288 Ed. 3.0:2021,  — IEC 62616 düzeltme 1:2012  içeren EN 62616:2010,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/4.58  Ses alma sistemi  Sıra 1/2</p>	<p>Tip onay gereksinimleri  — Kural V/18,  — Kural X/3,  — IMO Karar I MSC.36(63)-(1994 HSC Kod),  — IMO Karar MSC.97(73)-(2000 HSC Kod).</p>	<p>— IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998</p>	<p>B+D  B+E  B+F  G</p>	<p>13.9.2019</p>	<p>1.7.2025</p>

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.86(70)</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Kural. MSC.191(79),</li> <li>— IMO Kural MSC.302(87).</li> </ul>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN 61162-450: 2018,</p> <ul style="list-style-type: none"> <li>— EN 62288:2014,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>— ISO 14859:2012.</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>A1 Ed. 1.0:2010-11</li> </ul> <p>ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018,</p> <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> <li>— ISO 14859:2012.</li> </ul>			(i)
<p>GTY/4.58</p> <p>Ses alma sistemi</p> <p>Sıra 2/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar 1 MSC.36(63)-(1994 HSC Kod),,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod).</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> </ul> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.86(70)</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Kural. MSC.191(79),</li> <li>— IMO Kural MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— EN 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> <li>— ISO 14859:2012.</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li style="padding-left: 20px;">A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş</li> <li style="padding-left: 20px;">IEC 61162-3 IEC 61162-450:2018,</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> <li>— ISO 14859:2012.</li> </ul>			
<p>GTY/4.59</p> <p>Entegre seyir sistemi</p> <p>Sıra 1/4</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/15,</li> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> </ul>	<p>IEC 60945 düzeltme 1:2008 içeren</p> <p>EN 60945:2002.</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi:</li> <li style="padding-left: 20px;">EN 61162-1:2016</li> <li style="padding-left: 20px;">EN 61162-2:1998</li> <li style="padding-left: 20px;">EN 61162-3:2008</li> </ul> <p>+A1:2010+A2:2014</p> <ul style="list-style-type: none"> <li style="padding-left: 20px;">EN 61162-450: 2018,</li> <li>— EN 62288:2014,</li> <li>— IEC 61924-2 Ed. 1.0:2012-12,</li> <li>— IEC 62923-1:2018,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>13.9.2019</p>	<p>12.8.2023</p> <p>(i)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Kural. MSC.191(79),</li> <li>— IMO Kural. MSC.252(83),</li> <li>— IMO Kural MSC.302(87).</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 62923-2:2018.</li> <li>Veya:</li> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren EN 60945:2002,</li> <li>— IEC 61162 serisi:</li> <li style="padding-left: 20px;">IEC 61162-1:2016</li> <li style="padding-left: 20px;">IEC 61162-2 Ed.1.0:1998-09</li> <li style="padding-left: 20px;">A1 Ed. 1.0:2010-11 ve A2 Ed.</li> <li style="padding-left: 20px;">1.0:2014-07 ile konsolide edilmiş</li> <li>IEC 61162-3 IEC 61162-</li> <li>450:2018,</li> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 61924-2 Ed. 1.0:2012-12,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>GTY/4.59</p> <p>Entegre seyir sistemi</p> <p>Sıra 2/4</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/15,</li> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Kural. MSC.191(79),</li> <li>— IMO Kural. MSC.252(83),</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren EN 60945:2002.</li> <li>— EN 61162 serisi:</li> <li style="padding-left: 20px;">EN 61162-1:2016</li> <li style="padding-left: 20px;">EN 61162-2:1998</li> <li style="padding-left: 20px;">EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li style="padding-left: 20px;">IEC 61162-450:2018,</li> <li>— EN 62288:2014,</li> <li>— IEC 61924-2 düzeltme 1:2013</li> <li>içeren EN 61924-2:2013,</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>12.8.2020</p>	<p>1.1.2024</p> <p>(i)</p>



1	2	3	4	5	6
	— IMO Kural MSC.302(87).	<p>Veya:</p> <p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 61924-2 düzeltme 1:2013 içeren EN 61924-2:2013,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
<p>GTY/4.59</p> <p>Entegre seyir sistemi</p> <p>Sıra 3/4</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/15,</p> <p>— Kural V/18,</p> <p>— Kural X/3,</p> <p>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</p> <p>— IMO Kural. MSC.191(79),</p> <p>— IMO Kural. MSC.252(83),</p> <p>— IMO Kural MSC.302(87).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008</p> <p>+A1:2010+A2:2014 EN IEC 61162-450:2018,</p> <p>— EN 62288:2022,</p> <p>— IEC 61924-2 düzeltme 1:2013 içeren EN 61924-2:2013</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Veya:</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>15.8.2022</p>	<p>10.10.2026</p>

1	2	3	4	5	6
		<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 61924-2 düzeltme 1:2013 içeren EN 61924-2:2013, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			
<p>GTY/4.59 Entegre seyir sistemi Sıra 4/4 (Yeni Sıra)</p>	<p>Tip onay gereksinimleri — Kural V/15, — Kural V/18, — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <hr/> <p>Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Kural. MSC.191(79), — IMO Kural. MSC.252(83), — IMO Kural MSC.302(87).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2022, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018, — IEC 61924-2:2021. Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p>	<p>B+D B+E B+F G</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
		<p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018, — IEC 61924-2:2021.</p>			
<p>GTY/4.60 Harita seçeneği ile onaylı radar teçhizatı: — CAT 3C Sıra 1/2 Avrupa Birliği 2020/1170 uygulama yönetmeliği tarafından yeni madde eklenmiştir.</p>	<p>Tip onay gereksinimleri — Kural V/18.</p> <hr/> <p>Taşıma ve performans gereklilikleri — IMO Karar A.278(VIII), — IMO Karar A.694(17), — IMO Karar MSC.191(79), — IMO Karar MSC.192(79), — IMO Karar MSC.302(87), — ITU-R M.1177-4 (04/11).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2014, — EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — IEC 61162 serisi: IEC 61162-1:2016</p>	<p>B+D B+E B+F G</p>	<p>12.8.2020</p>	<p>1.1.2024 (i)</p>

1	2	3	4	5	6
		<p>IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018,  — IEC 62288 Ed. 2.0:2014-07,  — IEC 62388 Ed. 2.0: 2013-06,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/4.60  Harita seçeneği ile onaylı radar teçhizatı:  — CAT 3C  NOT: Yeni sertifikalar GTY/4.64 CAT3'e göre yapılacaktır.  Sıra 2/2</p>	<p>Tip onay gereksinimleri  Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p> <hr/> <p>Taşıma ve performans gereklilikleri  Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>	<p>Test Standartları  Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>	<p>Yeni sertifikalar için GTY/4.64 maddesine bakınız.</p>	<p>25.8.2021</p>	
<p>GTY/4.61 (Yüksek hızlı tekne uygulamaları için radar teçhizatı- CAT 3H) maddesi silinmiştir.</p>					

1	2	3	4	5	6
<p>GTY/4.62 (Yüksek hızlı tekne uygulamaları için radar teçhizatı- CAT 3H) maddesi silinmiştir.</p>					
	<p>Taşıma ve performans gereklilikleri Yeni sertifikalar için GTY/4.64 maddesine bakın.</p>				
<p>GTY/4.63 GNSS teçhizatı Aşağıdaki unsurlardan bir veya birden fazla unsurları içeren:</p> <p>—GPS teçhizatı (Eski GTY/4.14'ten alındı) — GLONASS teçhizatı (Eski GTY/4.15'ten alındı) — DGPS teçhizatı (Eski GTY/4.50'den alındı) — DGLONASS teçhizatı (Eski GTY/4.51'den alındı)</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18, — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.191(79), — IMO Karar MSC.302(87).</p> <p>Ve için: GPS Teçhizatı: — IMO Karar MSC.112(73).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: 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.</p> <p>Ve için: GPS Teçhizatı: — EN 61108-1:2003. GLONASS Teçhizatı: — EN 61108-2:1998,</p>	<p>B+D B+E B+F G</p>	<p>25.8.2021</p>	<p>1.7.2025 (i)</p>

1	2	3	4	5	6
<p>— Galileo teçhizatı (Eski GTY/4.56'dan alındı)</p> <p>— Beidou (BDS)</p> <p>Sıra 1/2</p>	<p>GLONASS Teçhizatı:</p> <p>— IMO Karar MSC.113(73).</p> <p>DGPS Teçhizatı:</p> <p>— IMO Karar MSC.112(73),</p> <p>— IMO Karar MSC.114(73).</p> <p>DGLONASS Teçhizatı:</p> <p>— IMO Karar MSC.113(73),</p> <p>— IMO Karar MSC.114(73),</p> <p>Galileo Teçhizatı:</p> <p>— IMO Karar MSC.233(82).</p> <p>Beidou:</p> <p>— IMO Karar MSC 379(93).</p>	<p>DGPS Teçhizatı:</p> <p>— EN 61108-1:2003,</p> <p>— EN 61108-4:2004.</p> <p>DGLONASS Teçhizatı:</p> <p>— EN 61108-2:1998,</p> <p>— EN 61108-4:2004.</p> <p>Galileo Teçhizatı:</p> <p>— EN 61108-3:2010.</p> <p>Beidou (BDS)</p> <p>— EN IEC 61108-5:2020.</p> <p>Veya:</p> <p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 IEC 61162-450:2018,</p> <p>— IEC 62288 Ed. 2.0:2014-07,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>Ve için:</p> <p>GPS Teçhizatı:</p> <p>— IEC 61108-1 Ed. 2.0: 2003.</p> <p>GLONASS Teçhizatı:</p> <p>— IEC 61108-2 Ed. 1.0:1998.</p> <p>DGPS Teçhizatı:</p>			

1	2	3	4	5	6
		<p>— IEC 61108-1 Ed. 2.0: 2003, — IEC 61108-4: 2004. DGLONASS Teçhizatı: — IEC 61108-2 Ed. 1.0:1998, — IEC 61108-4: 2004. Galileo Teçhizatı: — IEC 61108-3:2010. Beidou (BDS): — EN IEC 61108-5:2020.</p>			
<p>GTY/4.63 GNSS teçhizatı Aşağıdaki unsurlardan bir veya birden fazla unsurları içeren:</p> <p>—GPS teçhizatı (Eski GTY/4.14'ten alındı) — GLONASS teçhizatı (Eski GTY/4.15'ten alındı) — DGPS teçhizatı (Eski GTY/4.50'den alındı) — DGLONASS teçhizatı (Eski GTY/4.51'den alındı) — Galileo teçhizatı (Eski GTY/4.56'dan alındı) — Beidou (BDS) Sıra 2/2</p>	<p>Tip onay gereksinimleri — Kural V/18, — Kural X/3, — IMO Karar I MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <p>Taşıma ve performans gereklilikleri — Kural V/19, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 13, — IMO Karar MSC.97(73)-(2000 HSC Kod) 13, — IMO Karar MSC.191(79), — IMO Karar MSC.302(87). Ve için: GPS Teçhizatı: — IMO Karar MSC.112(73). GLONASS Teçhizatı: — IMO Karar MSC.113(73). DGPS Teçhizatı:</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — EN 62288:2022, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Ve için: GPS Teçhizatı: — EN 61108-1:2003. GLONASS Teçhizatı: — EN 61108-2:1998, DGPS Teçhizatı: — EN 61108-1:2003, — EN 61108-4:2004. DGLONASS Teçhizatı:</p>	<p>B+D B+E B+F G</p>	<p>25.8.2021</p>	<p>1.7.2025 (i)</p>

1	2	3	4	5	6
	<p>— IMO Karar MSC.112(73), — IMO Karar MSC.114(73).</p> <p>DGLONASS Teçhizatı: — IMO Karar MSC.113(73), — IMO Karar MSC.114(73),</p> <p>Galileo Teçhizatı: — IMO Karar MSC.233(82).</p> <p>Beidou: — IMO Karar MSC 379(93).</p>	<p>— EN 61108-2:1998, — EN 61108-4:2004.</p> <p>Galileo Teçhizatı: — EN 61108-3:2010.</p> <p>Beidou (BDS) — EN IEC 61108-5:2020.</p> <p>Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>Ve için: GPS Teçhizatı: — IEC 61108-1 Ed. 2.0: 2003.</p> <p>GLONASS Teçhizatı: — IEC 61108-2 Ed. 1.0:1998.</p> <p>DGPS Teçhizatı: — IEC 61108-1 Ed. 2.0: 2003, — IEC 61108-4: 2004.</p> <p>DGLONASS Teçhizatı: — IEC 61108-2 Ed. 1.0:1998,</p>			



1	2	3	4	5	6
		<p>— IEC 61108-4: 2004.</p> <p>Galileo Teçhizatı:</p> <p>— IEC 61108-3:2010.</p> <p>Beidou (BDS):</p> <p>— EN IEC 61108-5:2020.</p>			
<p>GTY/4.64 Radar Teçhizatı</p> <p>—CAT 1 (Eski GTY/4.34'den alındı)</p> <p>— CAT 2 (Eski GTY/4.35'ten alındı)</p> <p>— CAT 3 (Eski GTY/4.36'dan alındı)</p> <p>— CAT 1H (Eski GTY/4.37'den alındı)</p> <p>—CAT 2H (Eski GTY/4.37'den alındı)</p> <p>Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <p>— Kural V/18,</p> <p>Ve yüksek hızlı tekneler için;</p> <p>— Kural X/3,</p> <p>— IMO Karar I MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural V/19,</p> <p>— IMO Karar A.278(VIII),</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.192(79),</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO MSC.1/Sirküler 1349,</p> <p>— ITU-R M.1177-4 (04/11).</p>	<p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002,</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62288:2014,</p> <p>— IEC 62388 düzeltme 1:2014</p> <p>içeren EN 62388:2013,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Veya:</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş</p> <p>IEC 61162-3 Ed.1.2</p> <p>IEC 61162-450:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>	<p>25.08.2021</p>	<p>1.1.2024</p> <p>(i)</p>

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		<ul style="list-style-type: none"> <li>— IEC 62288 Ed. 2.0:2014-07,</li> <li>— IEC 62388 düzeltme 1:2014</li> </ul> <p>içeren EN 62388:2013,</p> <ul style="list-style-type: none"> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>GTY/4.64 Radar Teçhizatı</p> <ul style="list-style-type: none"> <li>—CAT 1 (Eski GTY/4.34'den alındı)</li> <li>— CAT 2 (Eski GTY/4.35'ten alındı)</li> <li>— CAT 3 (Eski GTY/4.36'dan alındı)</li> <li>— CAT 1H (Eski GTY/4.37'den alındı)</li> </ul>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> </ul> <p>Ve yüksek hızlı tekneler için;</p> <ul style="list-style-type: none"> <li>— Kural X/3,</li> <li>— IMO Karar 1 MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</li> <li>— EN 62288:2022,</li> </ul>			

1	2	3	4	5	6
<p>—CAT 2H (Eski GTY/4.37'den alındı) Sıra 2/2</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.278(VIII),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.192(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirküler 1349,</li> <li>— ITU-R M.1177-4 (04/11).</li> </ul>	<p>— IEC 62388 düzeltme 1:2014 içeren EN 62388:2013, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Veya: — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450:2018, — IEC 62288 Ed. 3.0:2021, — IEC 62388 düzeltme 1:2014 içeren EN 62388:2013, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			
<p>GTY/4.65 Cayro Kumpası (Eski GTY/4.3'ten alındı) (Eski GTY/4.31'den alındı) Sıra 1/2</p>	<p>Tip onay gereksinimleri</p> <ul style="list-style-type: none"> <li>— Kural V/18,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</li> </ul> <p>Taşıma ve performans gereklilikleri Cayro kumpas için:</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.424(XI),</li> <li>— IMO Karar A.694(17),</li> </ul>	<p>IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi: 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,</p>	<p>B+D B+E B+F G</p>	<p>25.8.2021</p>	<p>1.7.2025 (i)</p>

1	2	3	4	5	6
	<p>— IMO Karar MSC.191(79),  — IMO Karar MSC.302(87).  HSC için cayro kumpası:  — IMO Karar A.694(17),  — IMO Karar A.821(19),  — IMO Karar MSC.36(63)-(1994 HSC Kod) 13,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 13,  — IMO Karar MSC.191(79),  — IMO Karar MSC.302(87),  — IMO MSC.1/Sirküler 1349.</p>	<p>— EN IEC 62923-2:2018.  Ve ayrıca cayro pusulası için:  — ISO 8728:2014.  Ve ayrıca HSC için cayro pusulası:  — ISO 16328:2014.  Veya:  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve A2 Ed.  1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1.2  IEC 61162-450:2018,  — IEC 62288 Ed. 2.0:2014-07,  — IEC 62923-1:2018,  — IEC 62923-2:2018.  Ve ayrıca cayro pusulası için:  — ISO 8728:2014.  Ve ayrıca HSC cayro pusulası için:  — ISO 16328:2014.</p>			
<p>GTY/4.65 Cayro Kumpası  (Eski GTY/4.3'ten alındı)  (Eski GTY/4.31'den alındı)  Sıra 2/2</p>	<p>Tip onay gereksinimleri  — Kural V/18,  — Kural X/3,  — IMO Karar MSC.36(63)-(1994 HSC Kod) 13,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 13.</p>	<p>IEC 60945 düzeltme 1:2008 içeren  EN 60945:2002,  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998</p>	<p>B+D  B+E  B+F  G</p>	<p>25.8.2021</p>	

1	2	3	4	5	6
	<p>Taşıma ve performans gereklilikleri</p> <p>Cayro kumpas için:</p> <ul style="list-style-type: none"> <li>— Kural V/19,</li> <li>— IMO Karar A.424(XI),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87).</li> </ul> <p>HSC için cayro kumpas:</p> <ul style="list-style-type: none"> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.821(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 13,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 13,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirküler 1349.</li> </ul>	<p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <ul style="list-style-type: none"> <li>— EN 62288:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Ve ayrıca cayro pusulası için:</p> <ul style="list-style-type: none"> <li>— ISO 8728:2014.</li> </ul> <p>Ve ayrıca HSC için cayro pusulası:</p> <ul style="list-style-type: none"> <li>— ISO 16328:2014.</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 Ed.1.0:1998-09</li> <li>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş</li> <li>IEC 61162-3 Ed.1.2</li> <li>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>Ve ayrıca cayro pusulası için:</p> <ul style="list-style-type: none"> <li>— ISO 8728:2014.</li> </ul> <p>Ve ayrıca HSC cayro pusulası için:</p> <ul style="list-style-type: none"> <li>— ISO 16328:2014.</li> </ul>			

1	2	3	4	5	6
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## 5.Radyo-iletifim Teçhizatı

Bölüm 5 için geçerli notlar: Radyo iletifim teçhizatı

Sütun 3: IMO MSC/Sirkü.862 ve ürün test standartları arasında çelişen gereksinimler olması durumunda, IMO MSC/Sirküler.862 gereksinimleri öncelikli olacaktır.

Sütun 3: IEC 60945 Tablo 5 ve Tablo 6 ile listelenen diğer standartlar (yani ETSI standartları) arasında çelişkili koşullar, gereksinimler ve testler olması durumunda, IEC 60945 koşulları, gereksinimleri ve testleri öncelikli olacaktır.

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test Standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
1	2	3	4	5	6
GTY/5.1  DSC ve telsiz telefon gönderebilen ve alabilen VHF telsiz  Sıra 1/6	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar. MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/7,</li> <li>— Kural. X/3,</li> <li>— IMO Karar. A.385(X),</li> <li>— IMO Karar A.524(13),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.803(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO MSC/Sirküler.862,</li> <li>— IMO MSC.1/Sirküler.1460,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Sirküler.862,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002,</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi,</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>EN IEC 61162-450:2011+A1:2016,</li> <li>— ETSI EN 300 338-1</li> <li>V1.4.1:2017-02,</li> <li>— ETSI EN 300 338-2</li> <li>V1.4.1:2017-02,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	19.6.2018	29.8.2021 (iii)

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO COMSAR/Sirküler.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>— ETSI EN 301 843-2 V2.1 1:2016-03,</li> <li>— ETSI EN 301 925 V1.5.1:2017-10..</li> </ul>			
<p>GTY/5.1 DSC ve telsiz telefon gönderebilen ve alabilen VHF telsiz Sıra 2/6</p>	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>— Karar IV/14,</li> <li>— Karar X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>—Kural IV/7,</li> <li>—Kural X/3,</li> <li>— IMO Karar. A.385(X),</li> <li>— IMO Karar A.524(13),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.803(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Sirküler.862,</li> <li>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998, EN 61162- 3:2008++A1:2010+A2:2014 EN 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>Veya:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Sirküler.862,</li> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,</li> </ul>	<p>B+D B+E B+F</p>	<p>13.9.2019</p>	<p>12.8.2023 (iii)</p>

1	2	3	4	5	6
		<p>— IEC 61097-3:2017,  — A1:2018 ile birlikte IEC 61097-7,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09,  A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1.2  IEC 61162-450:2018,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/5.1   DSC ve telsiz telefon gönderebilen ve alabilen VHF telsiz   Sıra 3/6</p>	<p>Tip onay gereklilikleri,  —Kural IV/14,  —Kural X/3,  — IMO Karar MSC.36(63)-(1994 HSC Kod) 14,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <hr/> <p>Taşıma ve performans gereklilikleri,  — Kural IV/7,  — Kural X/3,  — IMO Karar A.385(X),  — IMO Karar. A.524(13),  — IMO Karar A.694(17),  — IMO Karar A.803(19),  — IMO Karar MSC.36(63)-(1994 HSC Kod) 14,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 14,  — IMO Karar MSC.302(87)  — IMO MSC/Sirküler.862,</p>	<p>— IMO MSC/Sirküler.862,  — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002,  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998  EN 61162-3:2008  +A1:2010+A2:2014  EN 61162-450:2018,  — ETSI EN 300 338-1 V1.5.1:2019-09,  — ETSI EN 300 338-2 V1.4.1:2017-02,  — ETSI EN 301 843-2 V2.2.1:2017-11,</p>	<p>B+D  B+E  B+F</p>	<p>12.8.2020</p>	<p>25.8.2024</p>



1	2	3	4	5	6
	<p>— IMO MSC.1/Sirküler.1460,  — IMO COMSAR/Sirküler.32,  — ITU-R M.489-2 (10/95),  — ITU-R M.493-15 (01/19),  — ITU-R M.541-10 (10/15).</p>	<p>— ETSI EN 301 925 V1.5.1:2017-10,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p> <p>Veya:</p> <p>— IMO MSC/Sirküler.862,  — IEC 60945 düzeltme 1:2008  içeren IEC 60945:2002,  — IEC 61097-3:2017,  — A1:2018 ile birlikte IEC 61097-7,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09,  A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1.2  IEC 61162-450:2018,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/5.1   DSC ve telsiz telefon gönderebilen ve alabilen VHF telsiz   Sıra 4/6</p>	<p>Tip onay gereklilikleri  — Kural IV/14,  — Kural X/3,  — IMO Karar MSC.36(63)-(1994 HSC Kod) 14,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri  — Kural IV/7,</p>	<p>— IMO MSC/Sirküler.862,  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002,  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998</p>	<p>B+D  B+E  B+F</p>	<p>25.8.2021</p>	<p>1.1.2024</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— Kural X/3,</li> <li>— IMO Karar A.385(X),</li> <li>— IMO Karar A.524(13),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.803(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC/Sirkü.862,</li> <li>— IMO MSC.1/Sirkü.1460,</li> <li>— IMO COMSAR/Sirkü.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>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>IEC 61162-450:2018, — ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 301 843-2 V2.2. 1:2017-11, — ETSI EN 301 925 V1.6.1:2020- 10, — IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>Veya:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Sirküler.862,</li> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-7: 1996 ile A1: 2018,</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450:2018 IEC 61162- 450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.</li> </ul>			

1	2	3	4	5	6
<p>GTY/5.1</p> <p>DSC ve telsiz telefon gönderebilen ve alabilen VHF telsiz</p> <p>Sıra 5/6</p>	<p>Tip onay gereklilikleri</p> <p>— Kural IV/14,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar. MSC.97(73)-(2000 HSC Kod) 14.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural. IV/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.385(X),</p> <p>— IMO Karar A.524(13),</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar A.803(19),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</p> <p>— IMO KararMSC.302(87),— IMO MSC/Sirküler.862,</p> <p>— IMO MSC.1/Sirküler.1460,</p> <p>— IMO COMSAR/Sirküler.32,</p> <p>— ITU-R M.489-2 (10/95),</p> <p>— ITU-R M.493-15 (01/19),</p> <p>— ITU-R M.541-10 (10/15).</p>	<p>— IMO MSC/Sirküler862,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002,</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI EN 300 338-1</p> <p>V1.5.1:2019-09,</p> <p>— ETSI EN 300 338-2</p> <p>V1.5.1:2020-06,</p> <p>— ETSI EN 301 843-2 V2.2.</p> <p>1:2017-11,</p> <p>— ETSI EN 301 925 V1.6.1:2020-10,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Veya:</p> <p>— IMO MSC/Sirküler.862,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren IEC 60945:2002,</p> <p>— IEC 61097-3: 2017,</p> <p>— IEC 61097-7: 1996 ile A1: 2018,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p>	<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>

1	2	3	4	5	6
		<p>A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2</p> <p>IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			
<p>GTY/5.1</p> <p>DSC ve telsiz telefon gönderebilen ve alabilen VHF telsiz</p> <p>Sıra 6/6 (Yeni sıra)</p>	<p>Tip onay gereklilikleri</p> <p>— Kural IV/14, — Kural X/3, — IMO Karar. MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/7, — Kural X/3, — IMO Karar. A.385(X), — IMO Karar A.524(13), — IMO Karar A.694(17), — IMO Karar A.803(19), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Karar MSC.191(79), — IMO Karar MSC.302(87), — IMO MSC/Sirküler.862, — IMO MSC.1/Sirkü.1460 Revizyon 3, — IMO COMSAR/Sirküler.32, — ITU-R M.489-2 (10/95), — ITU-R M.493-15 (01/19), — ITU-R M.541-10 (10/15).</p>	<p>— IMO MSC/Sirküler.862, — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI EN 300 338-1 V1.6.1:2021-05, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 300 338-7 V1.1. 1:2022-04, — ETSI EN 301 843-2 V2.2. 1:2017-11, — ETSI EN 301 925 V1.6.1:2020-10, — EN IEC 62288:2022 — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.</p>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
		<p>Veya:</p> <ul style="list-style-type: none"> <li>— IMO MSC/Sirküler862,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren IEC 60945:2002,</p> <ul style="list-style-type: none"> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-7: 1996 ile A1: 2018,</li> <li>— IEC 61162 serisi:</li> </ul> <p>IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1.2  IEC 61162-450:2018,</p> <ul style="list-style-type: none"> <li>— IEC 62288 Ed.3.0:2021, — IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018</li> </ul>			
<p>GTY/5.2</p> <p>VHF DSC vardiya telsiz alıcısı</p> <p>Sıra 1/5</p>	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/7,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.803(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar. MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO COMSAR/Sirküler.32,</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren IEC 60945:2002,</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi:</li> </ul> <p>EN 61162-1:2016  EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014  EN IEC 61162-450:2011 + A1:2016,</p> <ul style="list-style-type: none"> <li>— ETSI EN 300 338-1 V1.4.1:2017-02,</li> <li>— ETSI EN 300 338-2 V1.4.1:2017-02,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>19.6.2018</p>	<p>29.8.2021</p> <p>(iii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— ITU-R M.489-2 (10/95),</li> <li>— ITU-R M.493-14 (09/015),</li> <li>— ITU-R M.541-10 (10/15).</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-2 V2.1.1:2016-03.</li> </ul>			
<p>GTY/5.2</p> <p>VHF DSC vardiya telsiz alıcısı</p> <p>Sıra 2/5</p>	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>—Kural IV/7,</li> <li>—Kural X/3,</li> <li>— IMO Karar. A.694(17),</li> <li>— IMO Karar A.803(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO COMSAR/Sirküler.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>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,</li> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008 + A1:2010 +A2:2014</li> <li>EN 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 V2.1.1:2017-11</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</li> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-8:1998</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>

1	2	3	4	5	6
		<p>— IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve A2 Ed.  1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1.2  IEC 61162-450:2018,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/5.2   VHF DSC vardiya telsiz  alıcısı</p>	<p>Tip onay gereklilikleri  — Kural IV/14,  — Kural X/3,  — IMO Karar MSC.36(63)-(1994 HSC Kod) 14,  — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p>	<p>— IEC 60945 düzeltme 1:2008  içeren IEC 60945:2002,  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998</p>	<p>B+D   B+E   B+F</p>	<p>12.08.2020</p>	<p>25.08.2024   (iii)</p>

1	2	3	4	5	6
Sıra 3/5	<p>Taşıma ve performans gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/7,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.803(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO COMSAR/Sirküler.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>	<p>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN 61162-4502018,</p> <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 V2.1.1:2017-11.</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Veya:</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</li> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-8:1998</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450:2018,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			



1	2	3	4	5	6
GTY/5.2  VHF DSC vardiya telsiz alıcısı  Sıra 4/5	Tip onay gereklilikleri — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.  Taşıma ve performans gereklilikleri — Kural IV/7, — Kural X/3, — IMO Karar A.694(17), — IMO Karar A.803(19), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Karar MSC.302(87), — IMO COMSAR/Sirkü.32,	— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002, — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018, — ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 301 033 V1.4.1:2013-09,	B+D  B+E  B+F	25.8.2021	10.10.2026  (i)+

1	2	3	4	5	6
	<ul style="list-style-type: none"> <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 V2.1.1:2017-11.</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Veya;</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş IEC 61162-3 Ed.1.2 IEC 61162-450:2018,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>GTY/5.2</p> <p>VHF DSC vardiya telsiz alıcısı</p> <p>Sıra 5/5 (Yeni sıra)</p>	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/7,</li> <li>— Kural X/3,</li> <li>— IMO Karar. A.694(17),</li> <li>— IMO Karar A.803(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002,</li> <li>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,</li> <li>— ETSI EN 300 338-1 V1.6.1:2021-05</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
	<p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,  — IMO Karar MSC.191(79),  — IMO Karar MSC.302(87),  — IMO COMSAR/Sirküler.32,  — ITU-R M.489-2 (10/95),  — ITU-R M.493-15 (01/19),  — ITU-R M.541-10 (10/15).</p>	<p>— ETSI EN 300 338-2  V1.5.1:2020-06,  — ETSI EN 300 338-7  V1.1.1:2022-04  — ETSI EN 301 033 V1.4.1:2013-09,  — ETSI EN 301 843-2  V2.2.1:2017-11,  — EN IEC 62288:2012,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018.  Veya:  — IEC 60945 düzeltme 1:2008  içeren IEC 60945:2002,  — IEC 61097-3: 2017,  — IEC 61097-8:1998,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  A1 Ed. 1.0:2010-11 ve A2 Ed. 1.0:2014-07 ile konsolide edilmiş  IEC 61162-3 Ed.1.2  IEC 61162-450:2018,  — IEC 62923-1:2018,  — IEC 62288 Ed. 3.0:2021, — IEC 62923-2:2018</p>			
<p>GTY/5.3  NAVTEX alıcısı</p>	<p>Tip onay gereklilikleri  — Kural IV/14,  — Kural X/3,</p>	<p>— IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — EN 61162 serileri:</p>	<p>B+D  B+E  B+F</p>	<p>19.06.2018</p>	<p>29.08.2021  (iii)</p>

1	2	3	4	5	6
Sıra 1/4	<p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/7, — Kural X/3, — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Karar MSC.148(77), — IMO COMSAR/Sirkü.32, — ITU-R M.540-2 (06/90), — ITU-R M.625-4 (03/12).</p>	<p>EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008+A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — ETSI EN 300 065-1 V1.2.1:2009-01, — ETSI EN 301 843-4 V2.1.1:2016-03. Ya da; — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşmiş A1 sürüm. 1.0:2010-11 ve A2 sürüm. 1.0:2014-07 IEC 61162-450 sürüm: 1.0:2011-06 ile A1:2016 — IEC 61097-6: 2005</p>			
<p>GTY/5.3</p> <p>NAVTEX alıcısı</p> <p>Sıra 2/4</p>	<p>Tip onay gereklilikleri</p> <p>— Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serileri: EN 61162-1:2016 EN 61162-2:1998</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>12.08.2023 (iii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— Kural IV/7,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.148(77),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO COMSAR/Sirkü.32,</li> <li>— ITU-R M.540-2 (06/90),</li> <li>— ITU-R M.625-4 (03/12).</li> </ul>	<p>EN 61162-3:2008+A1:2010+A2:2014</p> <p>IEC 61162-450:2018,</p> <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>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul> <p>Ya da;</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</li> <li>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşmiş A1 sürüm. 1.0:2010-11 ve A2 sürüm. 1.0:2014-07</li> </ul> <p>IEC 61162-450:2018,</p> <ul style="list-style-type: none"> <li>— IEC 61097-6:2005,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			

1	2	3	4	5	6
<p>GTY/5.3</p> <p>NAVTEX alıcısı</p> <p>Sıra 3/4</p>	<p>Tip onay gereklilikleri</p> <p>— Kural IV/14,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO RMSC.97(73)-(2000 HSC Kod) 14.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</p> <p>— IMO Karar MSC.148(77),</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO COMSAR/Sirkü.32,</p> <p>— ITU-R M.540-2 (06/90),</p> <p>— ITU-R M.625-4 (03/12)</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serileri: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008+A1:2010+A2:2014</p> <p>IEC 61162-450:2018, — ETSI EN 300 065-1 V1.2.1:2009-01, — ETSI EN 301 843-2 V2.2.1:2017-11, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018.</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p> <p>— IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşmiş A1 sürüm. 1.0:2010-11 ve A2 sürüm. 1.0:2014-07 IEC 61162-450:2018, — IEC 61097-6:2005+A1:2011+A2:2019 — IEC 62923-1:2018, — IEC 62923-2:2018.</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.08.2020</p>	<p>10.10.2026</p>

1	2	3	4	5	6
<p>GTY/5.3</p> <p>NAVTEX alıcısı</p> <p>Sıra 4/4</p> <p>(YENİ SIRA)</p>	<p>Tip onay gereklilikleri</p> <p>—Kural IV/14,</p> <p>—Kural X/3,</p> <p>— IMO Karar. MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar. MSC.97(73)-(2000 HSC Kod) 14,</p> <p>— IMO Karar MSC.148(77),</p> <p>— IMO Res. MSC.191(79),</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO COMSAR/Sirküler32,</p> <p>— ITU-R M.540-2 (06/90),</p> <p>— ITU-R M.625-4 (03/12).</p>	<p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002</p> <p>— EN 61162 serileri:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008+A1:2010+A2:2014</p> <p>IEC 61162-450:2018,</p> <p>— ETSI EN 300 065-1</p> <p>V1.2.1:2009-01,</p> <p>— ETSI EN 301 843-2</p> <p>V2.2.1:2017-11,</p> <p>— EN IEC 62288:2022,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren IEC 60945:2002</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 sürüm.1.0:1998-09</p> <p>IEC 61162-3 sürüm.1.2 ile</p> <p>birleşmiş A1 sürüm. 1.0:2010-11 ve</p> <p>A2 sürüm. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 61097-</p> <p>6:2005+A1:2011+A2:2019</p> <p>— IEC 62923-1:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
		— IEC 62923-2:2018.			
GTY/5.4 EGC alıcısı Sıra 1/4	<p>Tip onay gereklilikleri</p> <p>—Kural IV/14, —Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/7, — Kural X/3, — IMO Karar A.570(14), — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Karar MSC.306(87), — IMO COMSAR/Sirkü.32.</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162- 3:2008+A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — ETSI ETS 300 460 Sürüm.1:1996-05, — ETSI ETS 300 460/A1:1997-11, — ETSI EN 301 843-1 V2.1.1:2016-03.</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p> <p>— IEC 61097-4:2012. — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşmiş A1 sürüm. 1.0:2010-11 ve A2 sürüm. 1.0:2014-07 IEC 61162-450 sürüm: 1.0:2011-06 ile A1:2016</p>	<p>B+D B+E B+F</p>	19.06.2018	29.08.2021 (iii)
GTY/5.4	<p>Tip onay gereklilikleri</p> <p>—Kural IV/14,</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p>	<p>B+D B+E</p>	13.9.2019	12.08.2023 (iii)



1	2	3	4	5	6
<p>EGC alıcısı</p> <p>Sıra 2/4</p>	<p>—Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/7, — Kural X/3, — IMO Karar A.570(14), — IMO Karar A.694(17), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Res. MSC.302(87), — IMO Karar MSC.306(87), — IMO COMSAR/Sirkü.32.</p>	<p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008+ A1:2010+A2: 2014 IEC 61162-450:2018 — ETSI ETS 300 460 Sürüm.1:1996-05, — ETSI ETS 300 460/A1:1997-11, — ETSI EN 301 843-1 V2.2.1:2017-11, — IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>Ya da: — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-4:2012. — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşmiş A1 sürüm. 1.0:2010-11 ve A2 sürüm. 1.0:2014-07 IEC 61162-450:2018 — IEC 62923-1:2018, — IEC 62923-2:2018.</p>	<p>B+F</p>		
<p>GTY/5.4</p> <p>EGC alıcısı</p>	<p>Tip onay gereklilikleri</p> <p>—Kural IV/14, —Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi: EN 61162-1:2016</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	<p>10.10.2026 (iii)</p>

1	2	3	4	5	6
Sıra 3/4	<p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/7,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.570(14),</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</p> <p>— IMO Res. MSC.302(87),</p> <p>— IMO Karar MSC.306(87),</p> <p>— IMO Res. MSC.431(98) (new provision),</p> <p>— IMO COMSAR/Sirkü.32.</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008+ A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018</p> <p>— ETSI ETS 300 460</p> <p>Sürüm.1:1996-05,</p> <p>— ETSI ETS 300 460/A1:1997-11,</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>Ya da;</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren IEC 60945:2002</p> <p>— IEC 61097-4:2012</p> <p>+A1:2016+A2: 2019,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 sürüm.1.0:1998-09</p> <p>IEC 61162-3 sürüm.1.2 ile</p> <p>birleşmiş A1 sürüm. 1.0:2010-11 ve</p> <p>A2 sürüm. 1.0:2014-07</p> <p>IEC 61162-450:2018</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			
GTY/5.4	Tip onay gereklilikleri	— IEC 60945 düzeltme 1:2008	B+D	13.09.2019	12.08.2023
EGC alıcısı	—Kural IV/14,	içeren EN 60945:2002	B+E		
	—Kural X/3,	— EN 61162 serisi:	B+F		
	— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,	EN 61162-1:2016			
Sıra 4/4	— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.	EN 61162-2:1998			

1	2	3	4	5	6
(YENİ SIRA)	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/7,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.570(14),</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Res. MSC.302(87),</li> <li>— IMO Karar MSC.306(87),</li> <li>— IMO COMSAR/Sirkü.32.</li> </ul>	<p>EN 61162-3:2008+ A1:2010+A2: 2014</p> <p>EN IEC 61162-450:2018</p> <ul style="list-style-type: none"> <li>— ETSI ETS 300 460</li> </ul> <p>Sürüm.1:1996-05,</p> <ul style="list-style-type: none"> <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>Ya da;</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren IEC 60945:2002</p> <ul style="list-style-type: none"> <li>— IEC 61097-4:2012</li> </ul> <p>+A1:2016+A2: 2019,</p> <ul style="list-style-type: none"> <li>— IEC 61162 serisi:</li> </ul> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 sürüm.1.0:1998-09</p> <p>IEC 61162-3 sürüm.1.2 ile</p> <p>birleşmiş A1 sürüm. 1.0:2010-11 ve</p> <p>A2 sürüm. 1.0:2014-07</p> <p>IEC 61162-450:2018</p> <ul style="list-style-type: none"> <li>— IEC 62288 Sürüm. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
GTY/5.5	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi:</li> </ul> <p>EN 61162-1:2016</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	19.06.2018	29.08.2021 (iii)

1	2	3	4	5	6
HF deniz güvenlik bilgileri (MSI) teçhizatı (HF NBDP alıcısı) Sıra 1/3	— IMO Karar MSC.97(73) -(2000 HSC Kod) 14. Taşıma ve performans gereklilikleri — Kural IV/7, — Kural X/3, — IMO Karar A.694(17), — IMO Karar A.699(17), — IMO Karar A.700(17), — IMO Karar A.806(19) , — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Karar MSC.302(87) — IMO MSC.1/Sirkü.1460, — IMO COMSAR/Sirkü.32, — ITU-R M.492-6 (10/95), — ITU-R M.540-2 (06/90), — ITU-R M.625-4 (03/12), — ITU-R M.688 (06/90).	EN 61162-2:1998 EN 61162-3:2008+A1:2010+A2:2014 EN 61162-450:2011+A1:2016, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm.1:1993-10. Ya da; — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşmiş A1 sürüm. 1.0:2010-11 ve A2 sürüm. 1.0:2014-07 IEC 61162-450:2018, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm.1:1993-10.			
GTY/5.5 HF deniz güvenlik bilgileri (MSI) teçhizatı (HF NBDP alıcısı)	Tip onay gereklilikleri — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.	IEC 60945 düzeltme 1:2008, içeren EN 60945:2002 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998	B+D B+E B+F	13.09.2019	10.10.2026 (iii)

1	2	3	4	5	6
Sıra 2/3	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/7,</li> <li>— Kural X/3,</li> <li>—IMO Karar A.694(17),</li> <li>— IMO Karar A.699(17),</li> <li>— IMO Karar A.700(17),</li> <li>— IMO Karar A.806(19),</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirkü.1460,</li> <li>— IMO COMSAR/Sirkü.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>	<p>EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm .1 :1993-10, EN IEC 62923-1:2018, EN IEC 62923-2:2018, Ya da; —IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşmiş A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018 — ETSI ETS 300 067 sürüm1:1990-11, — ETSI ETS 300 067/A1 sürüm1:1993-10. IEC 62923-1:2018, IEC 62923-2:2018,</p>			
GTY/5.5	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> </ul>	<p>—IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi:</p>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
<p>HF deniz güvenlik bilgileri (MSI) teçhizatı (HF NBDP alıcısı) Sıra 3/3 (YENİ SIRA)</p>	<p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <p>Taşınma ve performans gereklilikleri</p> <p>— Kural IV/7 — Kural X/3, — IMO Karar A.694(17), — IMO Karar A.699(17), — IMO Karar A.700(17), — IMO Karar A.806(19), — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14, — IMO Karar MSC.191(79), — IMO Karar MSC.302(87), — IMO MSC.1/Sirkü.1460, — IMO COMSAR/Sirkü.32, — ITU-R M.492-6 (10/95), — ITU-R M.540-2 (06/90), — ITU-R M.625-4 (03/12), — ITU-R M.688 (06/90).</p>	<p>EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm .1 :1993-10, — EN IEC 62288:2022 — EN IEC 62923-1:2018. — EN IEC 62923-2:2018. Ya da; —IEC 60945 düzeltme 1:2008, içeren IEC 60945:2002 — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşik A1 sürüm. 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm.1 :1993-10, — IEC 62288 sürüm 3.0:2021, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			

1	2	3	4	5	6
GTY/5.6  406 MHz EPIRB (COSPAS-SARSAT) Sıra 1/1 YENİ SIRA	Tip onay gereklilikleri — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.  Taşıma ve performans gereklilikleri — Kural IV/7, — IMO Karar A.662(16), — IMO Karar A.694(17), — IMO Karar A.696(17), — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Karar MSC.471(101), — IMO MSC/Sirkü.862, — IMO COMSAR/Sirkü.32, — ITU-R M.633-4 (12/10), — ITU-R M.690-3 (03/15).	—IMO MSC/Sirkü.862, Not: IMO MSC/Sirkü.862 sadece isteğe bağlı uzaktan kontrol cihazına uygulanabilir, EPIRB'e tek başına uygulanmaz.  — IEC 60945 düzeltme 1:2008 içerir IEC 60945:2002 —IEC 61097-2 sürüm 4.0:2021	B+D B+E B+F	10.10.2023	
Madde GTY/5.7, L BANT EPIRB (INMARSAT), - kasten boş bırakılmıştır.					
Madde GTY/5.8, MF DSC Alıcısı - kasten boş bırakılmıştır.					
Madde GTY/5.9, İki tonlu alarm jeneratörü, - kasten boş bırakılmıştır.					
GTY/5.10  DSC ve radyotelefonu iletebilen ve alabilen MF telsiz.	Tip onayı gereklilikleri, — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.	— IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002, — EN 61162 serisi, EN 61162-1:2016 EN 61162-2:1998	B+D B+E B+F	19.06.2018	29.08.2021  (iii)

1	2	3	4	5	6
<p>Not: IMO ve ITU kararlarına uygun olarak, H3E üzerinden iki Tonlu Alarm jeneratörü ve aktarımı gereksinimleri artık test standartlarında geçerli değildir.</p> <p>Sıra 1/5</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/9,</li> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.804(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO MSC.1/Sirkü.1460,</li> <li>— IMO COMSAR/Sirkü.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>	<p>EN 61162-3:2008+A1:2010+A2:2014</p> <p>EN 61162-450:2011 +A1:2016</p> <ul style="list-style-type: none"> <li>— ETSI EN 300 338-1</li> <li>V1.4.1:2017-02,</li> <li>— ETSI EN 300 338-2</li> <li>V1.4.1:2017-02,</li> <li>— ETSI EN 300 373-1</li> <li>V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5</li> <li>V2.1.1:2016-03</li> </ul>			
<p>GTY/5.10</p> <p>DSC ve radyotelefonu iletebilen ve alabilen MF telsiz.</p> <p>Not: IMO ve ITU kararlarına uygun olarak, H3E üzerindeki iki Tonlu Alarm jeneratörü ve aktarımı gereksinimleri artık test standartlarında geçerli değildir.</p> <p>Sıra 2/5</p>	<p>Tip onayı gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/9,</li> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.804(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Circ.862,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>IEC 61162-450:2018,</li> <li>— ETSI EN 300 338-1</li> <li>V1.4.2:2017-11,</li> <li>— ETSI EN 300 338-2</li> <li>V1.4.1:2017-02,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.09.2019</p>	<p>12.08.2023</p> <p>(iii)</p>



1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO MSC.302(87),</li> <li>— IMO MSC.1/Sirkü.1460,</li> <li>— IMO COMSAR/Sirkü.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>— ETSI EN 300 373-1</li> <li>V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5</li> <li>V2.2.1:2017-11,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> <li>Ya da;</li> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren IEC 60945:2002</li> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-9:1997,</li> <li>— IEC 61162 serisi:</li> <li style="padding-left: 20px;">IEC 61162-1:2016,</li> <li style="padding-left: 20px;">IEC 61162-2 sürüm 1.0:1998-</li> <li>09</li> <li style="padding-left: 20px;">IEC 61162-3 sürüm 1.2 ile</li> <li>birleşik A1 sürüm 1.0:2010-11 ve</li> <li>A2 sürüm 1.0:2014-07</li> <li style="padding-left: 20px;">IEC 61162-450:2018,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> </ul>			

1	2	3	4	5	6
<p>GTY/5.10</p> <p>DSC ve radyotelefonu iletebilen ve alabilen MF telsiz.</p> <p>Not: IMO ve ITU kararlarına uygun olarak, H3E üzerinden iki Tonlu Alarm jeneratörü ve aktarımı gereksinimleri artık test standartlarında geçerli değildir.</p> <p>Sıra 3/5</p>	<p>Tip onayı gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</li> </ul> <hr/> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/9,</li> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.804(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO MSC.302(87),</li> <li>— IMO MSC.1/Sirkü.1460,</li> <li>— IMO COMSAR/Sirkü.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>—IMO MSC/Sirkü.862,</li> <li>— IEC 60945 düzeltme. 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— EN 61162 serileri:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018</li> <li>— ETSI EN 300 338-1</li> <li>V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2</li> <li>V1.4.1:2017-02,</li> <li>— ETSI EN 300 373-1</li> <li>V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5</li> <li>V2.2.1:2017-11,</li> <li>—EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018,</li> </ul> <p>Ya da;</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren IEC 60945:2002</p> <ul style="list-style-type: none"> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-9:1997,</li> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.08.2020</p>	<p>25.08.2024</p> <p>(iii)</p>

1	2	3	4	5	6
		<p>IEC 61162-2 sürüm 1.0:1998-09</p> <p>IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018,</p>			
<p>GTY/5.10</p> <p>DSC ve radyotelefonu iletebilen ve alabilen MF telsiz.</p> <p>Not: IMO ve ITU kararlarına uygun olarak, H3E üzerinden iki Tonlu Alarm jeneratörü ve aktarımı gereksinimleri artık test standartlarında geçerli değildir.</p> <p>Sıra 4/5</p>	<p>Tip onayı gereklilikleri,</p> <p>— Kural IV/14,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/9,</p> <p>— Kural IV/10,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar A.804(19),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO MSC.1/Sirkü.1460,</p>	<p>—IMO MSC/Sirkü.862,</p> <p>— IEC 60945 düzeltme. 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— ETSI EN 300 338-1 V1.5.1:2019-09,</p> <p>— ETSI EN 300 338-2 V1.5.1:2020-06,</p> <p>— ETSI EN 300 373-1 V1.4.1:2013-09,</p> <p>— ETSI EN 301 843-2 V2.2.1:2017-11,</p> <p>— EN IEC 62923-1:2018,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>25.08.2021</p>	<p>10.10.2026</p> <p>(iii)</p>

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO COMSAR/Sirkü.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>— EN IEC 62923-2:2018.</li> <li>Ya da;</li> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren IEC 60945:2002</li> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-9:1997,</li> <li>— IEC 61162 serisi:</li> <li style="padding-left: 20px;">IEC 61162-1:2016,</li> <li style="padding-left: 20px;">IEC 61162-2 sürüm 1.0:1998-09</li> <li style="padding-left: 20px;">IEC 61162-3 sürüm 1.2 ile</li> <li>birleşik A1 sürüm 1.0:2010-11 ve</li> <li>A2 sürüm 1.0:2014-07</li> <li style="padding-left: 20px;">IEC 61162-450:2018,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> </ul>			
<p>GTY/5.10</p> <p>DSC ve radyotelefonu iletebilen ve alabilen MF telsiz.</p>	<p>Tip onayı gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Sirkü.862,</li> <li>— IEC 60945 düzeltme. 1:2008</li> <li>içeren EN 60945:2002</li> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
<p>Not: IMO ve ITU kararlarına uygun olarak, H3E üzerinden iki Tonlu Alarm jeneratörü ve aktarımı gereksinimleri artık test standartlarında geçerli değildir.</p> <p>Sıra 5/5 (YENİ SIRA)</p>	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/9,</li> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.804(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO MSC.1/Sirkü.1460,</li> <li>— IMO COMSAR/Sirkü.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>EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <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 300 373-1 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-2 V2.2.1:2017-11,</li> <li>— EN IEC 62288-1:2022,</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Ya da;</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</li> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-9:1997,</li> <li>— IEC 61162 serisi: <ul style="list-style-type: none"> <li>IEC 61162-1:2016,</li> <li>IEC 61162-2 sürüm 1.0:1998-09</li> <li>IEC 61162-3 sürüm 1.2 ile</li> </ul> </li> </ul> <p>birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07</p> <p>IEC 61162-450:2018,</p>			

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 62288 sürüm 3.0:2021</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> </ul>			
<p>GTY/5.11</p> <p>MF DSC vardiya alıcısı</p> <p>Sıra 1/5</p>	<p>Tip onay gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/9,</li> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.804(19),</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</li> <li>— IMO COMSAR/Sirküler32,</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>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi,</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>EN 61162-450:2011+A1:2016,</li> <li>— ETSI EN 300 338-1</li> <li>V1.4.1:2017-02,</li> <li>— ETSI EN 300 338-2</li> <li>V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5</li> <li>V1.1.1:2016-03.</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	19.06.2018	29.08.2021 (iii)
<p>GTY/5.11</p> <p>MF DSC vardiya alıcısı</p>	<p>Tip onay gereklilikleri,</p> <ul style="list-style-type: none"> <li>—Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	13.09.2019	12.08.2023 (iii)

1	2	3	4	5	6
Sıra2/6	<p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/9,</p> <p>— Kural IV/10,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar A.804(19),</p> <p>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO COMSAR/Sirküler32,</p> <p>— ITU-R M.493-14 (09/15),</p> <p>— ITU-R M.541-10 (10/15),</p> <p>— ITU-R M.1173-1 (03/12).</p>	<p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>IEC 61162-450:2018,</p> <p>— ETSI EN 300 338-1</p> <p>V1.4.2:2017-11,</p> <p>— ETSI EN 300 338-2</p> <p>V1.4.1:2017-02,</p> <p>— ETSI EN 301 033 V1.4.1:2013-09,</p> <p>— ETSI EN 301 843-5</p> <p>V2.2.1:2017-11,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p> <p>Ya da;</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren IEC 60945:2002</p> <p>— IEC 61097-3:2017,</p> <p>— IEC 61097-8:1998,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016,</p> <p>IEC 61162-2 sürüm 1.0:1998-09</p> <p>IEC 61162-3 sürüm 1.2 ile</p> <p>birleşik A1 sürüm 1.0:2010-11 ve</p> <p>A2 sürüm 1.0:2014-07</p> <p>IEC 61162-450:2018,</p>			

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> </ul>			
<p>GTY/5.11</p> <p>MF DSC vardiya alıcısı</p> <p>Sıra3/5</p>	<p>Tip onay gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/9,</li> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.804(19),</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO COMSAR/Sirkü.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 60945 düzeltme 1:2008</li> <li>içeren EN 60945:2002</li> <li>— EN 61162 serisi,</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>EN IEC 61162-450:2018,</li> <li>— ETSI EN 300 338-1</li> <li>V1.5.1:2019-09,</li> <li>— ETSI EN 300 338-2</li> <li>V1.4.1:2017-02,</li> <li>— ETSI EN 301 033 V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5</li> <li>V2.2.1:2017-11</li> <li>— EN IEC 62923-1:2018,</li> <li>— EN IEC 62923-2:2018.</li> </ul> <p>Ya da;</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren IEC 60945:2002</li> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61162 serisi:</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.08.2020</p>	<p>25.08.2024</p> <p>(iii)</p>



1	2	3	4	5	6
		<p>IEC 61162-1:2016, IEC 61162-2 sürüm 1.0:1998-09 IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018,</p>			
<p>GTY/5.11 MF DSC vardiya alıcısı Sıra 4/5</p>	<p>Tip onay gereklilikleri, — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.  Taşıma ve performans gereklilikleri —Kural IV/9, —Kural IV/10, —Kural X/3, — IMO Karar A.694(17), — IMO Karar A.804(19), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Karar MSC.302(87), — IMO COMSAR/Sirkü.32, — ITU-R M.493-15 (01/19),</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi, EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018, — ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 301 033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.2.1:2017-11</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	<p>10.10.2026 (iii)</p>

1	2	3	4	5	6
	<p>— ITU-R M.541-10 (10/15), — ITU-R M.1173-1 (03/12).</p>	<p>— EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Ya da; — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-3:2017, — IEC 61097-8:1998, — IEC 61162 serisi: IEC 61162-1:2016, IEC 61162-2 sürüm 1.0:1998- 09 IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018,</p>			
<p>GTY/5.11 MF DSC vardiya alıcısı Sıra 5/5</p>	<p>Tip onay gereklilikleri, — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14. Taşıma ve performans gereklilikleri — Kural IV/9, — Kural IV/10, — Kural X/3,</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi, 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>10.10.2023</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.804(19),</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO COMSAR/Sirkü.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 V1.6.1:2021-05,</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>Ya da;</p> <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</li> <li>— IEC 61097-3:2017,</li> <li>— IEC 61097-8:1998,</li> <li>— IEC 61162 serisi: IEC 61162-1:2016, IEC 61162-2 sürüm 1.0:1998-09 IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018,</li> <li>— IEC 62288 sürüm 3.0:2021,</li> </ul>			

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018,</li> </ul>			
GTY/5.12 Inmarsat-B SES 31 Aralık 2016 tarihinde Inmarsat-B SES Hizmeti sona erdiği için bu öge silindi.					
GTY/5.13  Inmarsat-C SES  Sıra 1/3	<p>Tip onay gereklilikleri,</p> <ul style="list-style-type: none"> <li>—Kural IV/14,</li> <li>—Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.570(14),</li> <li>— IMO Karar A.664(16),</li> <li>Karar A.644(16) için not: Sadece EGC fonksiyonlarını destekleyen Inmarsat C SES'e uygulanabilir.</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.807(19),</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14,</li> <li>— IMO Karar MSC.306(87),</li> <li>— IMO MSC/Sirkü.862,</li> <li>— IMO COMSAR/Sirkü.32.</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Sirkü.862,</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren EN 60945:2002</p> <ul style="list-style-type: none"> <li>— EN 61162 serisi,</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>EN 61162-450:2011+A1:2016,</li> <li>— ETSI ETS 300460</li> <li>sürüm.1:1996-05,</li> <li>— ETSI ETS 300 460/A1:1997-11,</li> <li>— ETSI EN 301 843-1</li> <li>V2.2.1:2016-03.</li> <li>Ya da:</li> <li>— IEC 60945 düzeltme 1:2008</li> </ul> <p>içeren IEC 60945:2002</p> <ul style="list-style-type: none"> <li>— IEC 61097-4:2012,</li> <li>— IEC 61162 Serisi.</li> <li>IEC 61162-1:2016,</li> <li>IEC 61162-2 sürüm 1.0:1998-</li> <li>09</li> </ul>	B+D  B+E  B+F	19.06.2018	29.08.2021  (iii)

1	2	3	4	5	6
		<p>IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450 sürüm 1.0:2011- 06 ile A1:2016</p>			
<p>GTY/5.13  Inmarsat-C SES  Sıra 2/3</p>	<p>Tip onay gereklilikleri — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri — Kural IV/10, — Kural X/3, — IMO Karar A.570(14), — IMO Karar A.664(16), Not: Sadece EGC fonksiyonlarını destekleyen Inmarsat C SES'e uygulanabilir. — IMO Karar A.694(17), — IMO Karar A.807(19), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14. — IMO Res. MSC.302(87), — IMO Karar MSC.306(87), — IMO MSC/Sirkü.862, — IMO COMSAR/Sirkü.32.</p>	<p>— IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi, EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018 — ETSI ETS 300460 sürüm.1:1996-05, — ETSI ETS 300 460/A1:1997-11, — ETSI EN 301 843-1 V2.2.1:2017-11, — IEC 62923-1:2018, — IEC 62923-2:2018. Ya da: — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-4:2012, — IEC 61162 Serisi.</p>	<p>B+D  B+E  B+F</p>	<p>13.09.2019</p>	<p>12.08.2023  (iii)</p>

1	2	3	4	5	6
		<p>IEC 61162-1:2016, IEC 61162-2 sürüm 1.0:1998-09 IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			
<p>GTY/5.13  Inmarsat-C SES alıcısı  Sıra 3/3</p>	<p>Tip onay gereklilikleri, — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri — Kural. IV/10, — Kural X/3, — IMO Karar A.570(14), — IMO Karar A.664(16), Not: IMO Karar A.664(16) için, Sadece EGC fonksiyonlarını destekleyen Inmarsat C SES'e uygulanabilir. — IMO Karar A.694(17), — IMO Karar A.807(19), — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC kod) 14, —IMO Res. MSC.302(87), — IMO Karar MSC.306(87),</p>	<p>— IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi, EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018 — ETSI ETS 300460 sürüm.1:1996-05, — ETSI ETS 300 460/A1:1997-11, — ETSI EN 301 843-1 V2.2.1:2017-11, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018 Ya da:</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	

1	2	3	4	5	6
	<ul style="list-style-type: none"> <li>— IMO MSC/Sirkü.862,</li> <li>— IMO COMSAR/Sirkü.32.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren IEC 60945:2002</li> <li>— IEC 61097-4: 2012</li> <li>+A1:2016+A2:2019,</li> <li>— IEC 61162 Serisi.</li> <li>IEC 61162-1:2016,</li> <li>IEC 61162-2 sürüm 1.0:1998-09</li> <li>IEC 61162-3 sürüm 1.2 ile</li> <li>birleşik A1 sürüm 1.0:2010-11 ve</li> <li>A2 sürüm 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>GTY/5.14</p> <p>DSC, NBDP ve telsiz telefon gönderme ve alma özelliğine sahip MF/HF telsiz</p> <p>Not: IMO ve ITU kararları doğrultusunda, A3H üzerinde İki Tonlu Alarm jeneratör ve transmisyon gereksinimleri</p>	<p>Tip onay gereklilikleri,</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>—Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO KararA.694(17),</li> <li>— IMO Karar A.806(19),</li> <li>— IMO KararMSC.36(63)-(1994 HSC Kod) 14,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Sirkü.862,</li> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren EN 60945:2002</li> <li>— EN 61162 serisi,</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> <li>EN 61162-3:2008</li> <li>+A1:2010+A2:2014</li> <li>— EN 61162-450:2011+A1:2016,</li> <li>— ETSI ETS 300 067 Ed.1:1990-11,</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	19.06.2018	29.08.2021 (iii)

1	2	3	4	5	6
artık test standartlarında geçerli değildir. Sıra 1/6	— IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO MSC/Sirkü.862, — IMO MSC.1/Sirkü.1460, — IMO COMSAR/Sirkü.32, — ITU-R M.476-5 (10/95), — ITU-R M.492-6 (10/95), — ITU-R M.493-14 (09/15), — ITU-R M.541-10 (10/15), — ITU-R M.625-4 (03/12), — ITU-R M.1173-1 (03/12).	— ETSI ETS 300 067/A1 sürüm.1:1993-10, — ETSI EN 300 338-1 V1.4.1:2017-02, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 300 373-1 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.1.1:2016-03.			
GTY/5.14  DSC, NBDP ve telsiz telefon gönderme ve alma özelliğine sahip MF/HF telsiz  Not: IMO ve ITU kararları doğrultusunda, A3H üzerinde İki Tonlu Alarm jeneratör ve transmisyon gereksinimleri artık test standartlarında geçerli değildir.  Sıra 2/6	Tip onay gereklilikleri — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.  Taşıma ve performans gereklilikleri — Kural IV/10, — Kural X/3, — IMO Karar A.694(17), — IMO Karar A.806(19), — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14, — IMO Res. MSC.302(87) — IMO MSC/Sirkü.862, — IMO MSC.1/Sirkü.1460, — IMO COMSAR/Sirkü.32, — ITU-R M.476-5 (10/95), — ITU-R M.492-6 (10/95), — ITU-R M.493-14 (09/15),	— IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi, EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm.1:1993-10, — ETSI EN 300 338-1 V1.4.2:2017-11, — ETSI EN 300 338-2 V1.4.1:2017-02, — ETSI EN 300 373-1 V1.4.1:2013-09,	B+D B+E B+F	13.09.2019	12.08.2023



1	2	3	4	5	6
	<p>— ITU-R M.541-10 (10/15),  — ITU-R M.625-4 (03/12),  — ITU-R M.1173-1 (03/12).</p>	<p>— ETSI EN 301 843-5  V2.2.1:2017-11,  — IEC 62923-1:2018,  — IEC 62923-2:2018  Ya da:  —IMO MSC/Circ.862,  — IEC 60945 düzeltme 1:2008  içeren IEC 60945:2002  — IEC 61097-3: 2017,  — IEC 61097-9: 1997,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 sürüm.1.0:1998-09  IEC 61162-3 sürüm 1.2 ile birleşik  A1 sürüm 1.0:2010-11 ve A2 sürüm  1.0:2014-07  IEC 61162-450:2018,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/5.14</p> <p>DSC, NBDP ve telsiz telefon gönderme ve alma özelliğine sahip MF/HF telsiz</p> <p>Not: IMO ve ITU kararları</p>	<p>Tip onay gereklilikleri</p> <p>—Kural IV/14,  —Kural X/3,  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>—Kural IV/10,</p>	<p>— IMO MSC/Sirkü.862,  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — EN 61162 serisi,  EN 61162-1:2016  EN 61162-2:1998</p>	<p>B+D  B+E  B+F</p>	<p>12.08.2020</p>	<p>25.08.2024  (iii)</p>

1	2	3	4	5	6
<p>doğrultusunda, A3H üzerinde İki Tonlu Alarm jeneratör ve transmisyon gereksinimleri artık test standartlarında geçerli değildir.</p> <p>Sıra 3/6</p>	<p>—Kural X/3,  — IMO Karar A.694(17),  — IMO Karar A.806(19),  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  — IMO Karar MSC.97(73) -(2000 HSC Kod) 14,  — IMO Karar MSC.302(87),  — IMO MSC/Sirkü.862,  — IMO MSC.1/Sirkü.1460,  — IMO COMSAR/Sirkü.32,  — ITU-R M.476-5 (10/95),  — ITU-R M.492-6 (10/95),  — ITU-R M.493-15 (01/19)  —ITU-R M.541-10 (10/15)  — ITU-R M.625-4 (03/12),  — ITU-R M.1173-1 (03/12).</p>	<p>EN 61162-3:2008  +A1:2010+A2:2014  IEC 61162-450:2018,  — ETSI ETS 300 067  sürüm.1:1990-11,  — ETSI ETS 300 067/A1  sürüm.1:1993-10,  — ETSI EN 300 338-1  V1.5.1:2019-09,  — ETSI EN 300 338-2  V1.4.1:2017-02,  — ETSI EN 300 373-1  V1.4.1:2013-09,  — ETSI EN 301 843-5  V2.2.1:2017-11,  —EN IEC 62923-1:2018,  — ENIEC 62923-2:2018.  Ya da:  —IMO MSC/Circ.862,  — IEC 60945 düzeltme 1:2008  içeren IEC 60945:2002  — IEC 61097-3: 2017,  — IEC 61097-9: 1997,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 sürüm.1.0:1998-09  IEC 61162-3 sürüm 1.2 ile birleşik  A1 sürüm 1.0:2010-11 ve A2 sürüm  1.0:2014-07</p>			

1	2	3	4	5	6
		IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.			
GTY/5.14 DSC, NBDP ve telsiz telefon gönderme ve alma özelliğine sahip MF/HF telsiz  Not: IMO ve ITU kararları doğrultusunda, A3H üzerinde İki Tonlu Alarm jeneratör ve transmisyon gereksinimleri artık test standartlarında geçerli değildir. . Sıra 4/6	Tip onay gereklilikleri — Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod) 14.  Taşıma ve performans gereklilikleri —Kural IV/10, —Kural X/3, — IMO Karar A.694(17), — IMO Karar A.806(19), — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14, — IMO Karar MSC.302(87), — IMO MSC/Sirkü.862, — IMO MSC.1/Sirkü.1460, — IMO COMSAR/Sirkü.32, — ITU-R M.476-5 (10/95), — ITU-R M.492-6 (10/95), — ITU-R M.493-15 (01/19) —ITU-R M.541-10 (10/15) — ITU-R M.625-4 (03/12), — ITU-R M.1173-1 (03/12).	— IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi, EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm.1:1993-10, — ETSI EN 300 338-1 V1.5.1:2019-09, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 300 373-1 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.2.1:2017-11, —EN IEC 62923-1:2018, —EN IEC 62923-2:2018.  Ya da:	B+D B+E B+F	25.08.2021	15.08.2025 (iii)

1	2	3	4	5	6
		<p>—IMO MSC/Circ.862,  — IEC 60945 düzeltme 1:2008  içeren IEC 60945:2002  — IEC 61097-3: 2017,  — IEC 61097-9: 1997,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 sürüm.1.0:1998-09  IEC 61162-3 sürüm 1.2 ile birleşik  A1 sürüm 1.0:2010-11 ve A2 sürüm  1.0:2014-07  IEC 61162-450:2018,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/5.14</p> <p>DSC, NBDP ve telsiz telefon gönderme ve alma özelliğine sahip MF/HF telsiz</p> <p>Not: IMO ve ITU kararları doğrultusunda, A3H üzerinde İki Tonlu Alarm jeneratör ve transmisyon gereksinimleri artık test standartlarında geçerli değildir.</p>	<p>Tip onayı gereklilikleri</p> <p>—Kural IV/14,  —Kural X/3,  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  —IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>—Kural IV/10,  —Kural X/3,  — IMO Karar A.694(17),  — IMO Karar A.806(19),  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  — IMO Karar MSC.97(73) -(2000 HSC Kod) 14,  — IMO Karar MSC.302(87),</p>	<p>— IMO MSC/Sirkü.862,  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — EN 61162 serisi,  EN 61162-1:2016  EN 61162-2:1998  EN 61162-3:2008  +A1:2010+A2:2014  IEC 61162-450:2018,  — ETSI ETS 300 067  sürüm.1:1990-11,  — ETSI ETS 300 067/A1  sürüm.1:1993-10,</p>	<p>B+D  B+E  B+F</p>	<p>15.08.2022</p>	<p>10.10.2026</p>

1	2	3	4	5	6
Sıra 5/6	<ul style="list-style-type: none"> <li>— IMO MSC/Sirkü.862,</li> <li>— IMO MSC.1/Sirkü.1460,</li> <li>— IMO COMSAR/Sirkü.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 300 338-1</li> <li>V1.6.1:2021-05,</li> <li>— ETSI EN 300 338-2</li> <li>V1.5.1:2020-06,</li> <li>— ETSI EN 300 373-1</li> <li>V1.4.1:2013-09,</li> <li>— ETSI EN 301 843-5</li> <li>V2.2.1:2017-11,</li> <li>—EN IEC 62923-1:2018,</li> <li>—EN IEC 62923-2:2018.</li> <li>Ya da:</li> <li>—IMO MSC/Circ.862,</li> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren IEC 60945:2002</li> <li>— IEC 61097-3: 2017,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 sürüm.1.0:1998-09</li> <li>IEC 61162-3 sürüm 1.2 ile birleşik</li> <li>A1 sürüm 1.0:2010-11 ve A2 sürüm</li> <li>1.0:2014-07</li> <li>IEC 61162-450:2018,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
GTY/5.14	<ul style="list-style-type: none"> <li>Tip onayı gereklilikleri</li> <li>—Kural IV/14,</li> </ul>	<ul style="list-style-type: none"> <li>— IMO MSC/Sirkü.862,</li> </ul>	<ul style="list-style-type: none"> <li>B+D</li> <li>B+E</li> </ul>	10.10.2023	

1	2	3	4	5	6
<p>DSC, NBDP ve telsiz telefon gönderme ve alma özelliğine sahip MF/HF telsiz</p> <p>Not: IMO ve ITU kararları doğrultusunda, A3H üzerinde İki Tonlu Alarm jeneratör ve transmisyon gereksinimleri artık test standartlarında geçerli değildir.</p> <p>Sıra 6/6 (YENİ SIRA)</p>	<p>—Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, —IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>—Kural IV/10, —Kural X/3, — IMO Karar A.694(17), — IMO Karar A.806(19), — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14, — IMO Karar. MSC.191(79) — IMO Karar MSC.302(87), — IMO MSC/Sirkü.862, — IMO MSC.1/Sirkü.1460, — IMO COMSAR/Sirkü.32, — ITU-R M.476-5 (10/95), — ITU-R M.492-6 (10/95), — ITU-R M.493-15 (01/19) —ITU-R M.541-10 (10/15) — ITU-R M.625-4 (03/12), — ITU-R M.1173-1 (03/12).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 IEC 61162-450:2018, — ETSI ETS 300 067 sürüm.1:1990-11, — ETSI ETS 300 067/A1 sürüm.1:1993-10, — ETSI EN 300 338-1 V1.6.1:2021-05, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 300 338-7 V1.1.1:2022-04, — ETSI EN 300 373-1 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.2.1:2017-11, —EN IEC 62288:2022, —EN IEC 62923-1:2018, —EN IEC 62923-2:2018.</p> <p>Ya da: —IMO MSC/Circ.862, — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p>	<p>B+F</p>		

1	2	3	4	5	6
		<p>— IEC 61097-3: 2017,  — IEC 61097-9: 1997,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 sürüm.1.0:1998-09  IEC 61162-3 sürüm 1.2 ile birleşik  A1 sürüm 1.0:2010-11 ve A2 sürüm  1.0:2014-07  IEC 61162-450:2018,  —IEC 62288 Ed. 3.0:2021,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/5.15   MF/HF DSC tarayıcılı  vardiya alıcısı   Sıra 1/6</p>	<p>Tip onay gereklilikleri,  — Kural IV/14,  — Kural X/3,  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.   Taşıma ve performans gereklilikleri  — Kural IV/10,  — Kural X/3,  — IMO Karar A.694(17),  — IMO Karar A.806(19),  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  — IMO Karar MSC.97(73) -(2000 HSC Kod) 14,  — IMO COMSAR/Sirkü.32,  — ITU-R M.493-14 (09/15),  — ITU-R M.541-10 (10/15),</p>	<p>— IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — EN 61162 serisi,  EN 61162-1:2016  EN 61162-2:1998  EN 61162-3:2008  +A1:2010+A2:2014  EN 61162-450:2011+A1:2016,   — ETSI EN 300 338-1  V1.4.1:2017-02,  — ETSI EN 300 338-2  V1.4.1:2017-02,</p>	<p>B+D   B+E   B+F</p>	<p>19.06.2018</p>	<p>29.08.2021   (iii)</p>

1	2	3	4	5	6
	— ITU-R M.1173-1 (03/12).	<p>— ETSI EN 301033 V1.4.1:2013-09,</p> <p>— ETSI EN 301 843-5 V2.1.1:2016-03.</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p> <p>— IEC 61097-3:1994,</p> <p>— IEC 61097-8:1998,</p> <p>— IEC 61162 Serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450 sürüm1.0:2011-06 ile A1:2016.</p>			
<p>GTY/5.15</p> <p>MF/HF DSC tarayıcılı vardiya alıcısı</p> <p>Sıra 2/6</p>	<p>Tip onay gereklilikleri,</p> <p>— Kural IV/14,</p> <p>— Kural X/3,</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</p> <p>—IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/10,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar A.806(19),</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014 EC 61162-450:2018,</p> <p>— ETSI EN 300 338-1 V1.4.2:2017-11,</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>13.09.2019</p>	<p>12.08.2023</p>



1	2	3	4	5	6
	<p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,  — IMO Karar. MSC.302(87),  — IMO COMSAR/Sirkü.32,  — ITU-R M.493-14 (09/15),  — ITU-R M.541-10 (10/15),  — ITU-R M.1173-1 (03/12).</p>	<p>— ETSI EN 300 338-2  V1.4.1:2017-02,  — ETSI EN 301033 V1.4.1:2013-09,  — ETSI EN 301 843-5  V2.2.1:2017-11,  — IEC 62923-1:2018,  — IEC 62923-2:2018.  Ya da:  — IEC 60945 düzeltme 1:2008  içeren IEC 60945:2002  — IEC 61097-3: 2017,  — IEC 61097-8: 1998,  — IEC 61097-9: 1997,  — IEC 61162 serisi:  IEC 61162-1:2016  IEC 61162-2 sürüm.1.0:1998-09  IEC 61162-3 sürüm 1.2 ile birleşik  A1 sürüm 1.0:2010-11 ve A2 sürüm  1.0:2014-07  IEC 61162-450:2018,  —IEC 62288 Ed. 3.0:2021,  — IEC 62923-1:2018,  — IEC 62923-2:2018.</p>			
<p>GTY/5.15   MF/HF DSC tarayıcılı  vardiya alıcısı</p>	<p>Tip onay gereklilikleri  —Kural IV/14,  —Kural X/3,  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</p>	<p>— IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — EN 61162 serisi:  EN 61162-1:2016</p>	<p>B+D   B+E   B+F</p>	<p>12.08.2020</p>	<p>25.08.2024</p>

1	2	3	4	5	6
Sıra 3/6	<p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/10,</p> <p>— Kural X/3,</p> <p>— IMO Karar A.694(17),</p> <p>— IMO Karar A.806(19),</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO COMSAR/Sirkü.32,</p> <p>— ITU-R M.493-15 (01/19),</p> <p>— ITU-R M.541-10 (10/15),</p> <p>— ITU-R M.1173-1 (03/12).</p>	<p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EC 61162-450:2018,</p> <p>— ETSI EN 300 338-1</p> <p>V1.5.1:2019-09,</p> <p>— ETSI EN 300 338-2</p> <p>V1.4.1:2017-02,</p> <p>— ETSI EN 301033 V1.4.1:2013-09,</p> <p>— ETSI EN 301 843-5</p> <p>V2.2.1:2017-11,</p> <p>—EN IEC 62923-1:2018,</p> <p>—EN IEC 62923-2:2018.</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren IEC 60945:2002</p> <p>— IEC 61097-3: 2017,</p> <p>— IEC 61097-8: 1998,</p> <p>— IEC 61097-9: 1997,</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 sürüm.1.0:1998-09</p> <p>IEC 61162-3 sürüm 1.2 ile birleşik</p> <p>A1 sürüm 1.0:2010-11 ve A2 sürüm</p> <p>1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018.</p>			

1	2	3	4	5	6
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GTY/5.15	Tip onay gereklilikleri	— IEC 60945 düzeltme 1:2008	B+D	25.08.2021	15.08.2025
MF/HF DSC tarayıcılı	—Kural IV/14,	içeren EN 60945:2002	B+E		
vardiya alıcısı	—Kural X/3,	— EN 61162 serisi:	B+F		
Sıra 4/6	— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,	EN 61162-1:2016			
	— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.	EN 61162-2:1998			
	Taşıma ve performans gereklilikleri	EN 61162-3:2008			
	— Kural IV/10,	+A1:2010+A2:2014			
	— Kural X/3,	EC 61162-450:2018,			
	— IMO Karar A.694(17),	— ETSI EN 300 338-1			
	— IMO Karar A.806(19),	V1.5.1:2019-09,			
	— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,	— ETSI EN 300 338-2			
	— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,	V1.5.1:2020-06,			
	— IMO Karar MSC.302(87),	— ETSI EN 301033 V1.4.1:2013-			
	— IMO COMSAR/Sirkü.32,	09,			
	— ITU-R M.493-15 (01/19),	— ETSI EN 301 843-5			
	— ITU-R M.541-10 (10/15),	V2.2.1:2017-11,			
	— ITU-R M.1173-1 (03/12).	— EN IEC 62923-1:2018,			
		— EN IEC 62923-2:2018.			
		Ya da:			
		— IEC 60945 düzeltme 1:2008			
		içeren IEC 60945:2002			
		— IEC 61097-3: 2017,			
		— IEC 61097-8: 1998,			
		— IEC 61097-9: 1997,			
		— IEC 61162 serisi:			
		IEC 61162-1:2016			
		IEC 61162-2 sürüm.1.0:1998-09			

1	2	3	4	5	6
		<p>IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018, — IEC 62923-1:2018, — IEC 62923-2:2018.</p>			
<p>GTY/5.15</p> <p>MF/HF DSC tarayıcılı vardiya alıcısı</p> <p>Sıra 5/6</p>	<p>Tip onay gereklilikleri</p> <p>— Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/10, — Kural X/3, — IMO Karar A.694(17), — IMO Karar A.806(19), — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14, — IMO Karar MSC.302(87), — IMO COMSAR/Sirkü.32, — ITU-R M.493-15 (01/19), — ITU-R M.541-10 (10/15), — ITU-R M.1173-1 (03/12).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 EN 61162-3:2008 +A1:2010+A2:2014</p> <p>EC 61162-450:2018, — ETSI EN 300 338-1 V1.6.1:2021-05, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 301033 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.</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-3: 2017,</p>	<p>B+D B+E B+F</p>	<p>15.08.2022</p>	<p>10.10.2026</p>

1	2	3	4	5	6
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		<ul style="list-style-type: none"> <li>— IEC 61097-8: 1998,</li> <li>— IEC 61097-9: 1997,</li> <li>— IEC 61162 serisi:</li> <li>IEC 61162-1:2016</li> <li>IEC 61162-2 sürüm.1.0:1998-09</li> <li>IEC 61162-3 sürüm 1.2 ile birleşik</li> <li>A1 sürüm 1.0:2010-11 ve A2 sürüm</li> <li>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>GTY/5.15</p> <p>MF/HF DSC tarayıcılı</p> <p>vardiya alıcısı</p>	<p>Tip onay gereklilikleri</p> <ul style="list-style-type: none"> <li>—Kural IV/14,</li> <li>—Kural X/3,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</li> </ul>	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008</li> <li>içeren EN 60945:2002</li> <li>— EN 61162 serisi:</li> <li>EN 61162-1:2016</li> <li>EN 61162-2:1998</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>10.10.2023</p>	

1	2	3	4	5	6
Sıra 6/6 (YENİ SIRA)	<p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/10,</li> <li>— Kural X/3,</li> <li>— IMO Karar A.694(17),</li> <li>— IMO Karar A.806(19),</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</li> <li>— IMO Res. MSC.191(79),</li> <li>— IMO Karar MSC.302(87),</li> <li>— IMO COMSAR/Sirkü.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>EN 61162-3:2008 +A1:2010+A2:2014 EC 61162-450:2018, — ETSI EN 300 338-1 V1.6.1:2021-05, — ETSI EN 300 338-2 V1.5.1:2020-06, — ETSI EN 300 338-7 V1.1.1:2022-04 — ETSI EN 301033 V1.4.1:2013-09, — ETSI EN 301 843-5 V2.2.1:2017-11, — EN IEC 62288:2022, — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. Ya da: — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-3: 2017, — IEC 61097-8: 1998, — IEC 61097-9: 1997, — IEC 61162 serisi: IEC 61162-1:2016 IEC 61162-2 sürüm.1.0:1998-09 IEC 61162-3 sürüm 1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm 1.0:2014-07 IEC 61162-450:2018,</p>			

1	2	3	4	5	6
		<ul style="list-style-type: none"> <li>— IEC 62288 sürüm. 3.0:2021,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>			
<p>GTY/5.16</p> <p>Havacılık iki yönlü VHF telsiz telefon aparatı</p> <p>Eski GTY/9/5.8</p> <p>Sıra 1/1</p> <p>Uygulama Yönetmeliği tarafından eklenen yeni madde (EU) 2020/1170</p>	<p>Tip onayı gereklilikleri</p> <ul style="list-style-type: none"> <li>— Kural IV/14,</li> <li>— Kural X/3,</li> <li>— IMO Karar MSC.36(63)-(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73)-(2000 HSC Kod) 14.</li> </ul> <p>Taşıma ve performans gereklilikleri</p> <ul style="list-style-type: none"> <li>—Kural IV/14,</li> <li>—Kural X/3,</li> <li>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</li> <li>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</li> <li>— IMO Karar MSC.80(70),</li> <li>— IMO COMSAR/Sirkü.32,</li> <li>— ICAO Sözleşmesi, Ek 10, Radyo Yönetmeliği</li> </ul>	<ul style="list-style-type: none"> <li>— ETSI EN 301688 V1.2.1:2016-03,</li> <li>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</li> </ul> <p>Ya da:</p> <ul style="list-style-type: none"> <li>— ETSI EN 301688 V1.2.1:2016-03,</li> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</li> </ul>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>12.08.2020</p>	

1	2	3	4	5	6
<p>GTY/5.17</p> <p>İki yönlü VHF telsiz telefon aparatlı taşınabilir can salı</p> <p>Sıra 1/2</p>	<p>Tip onayı gereklilikleri</p> <p>— Kural IV/14, — Kural X/3, — IMO Karar MSC.36(63)-(1994 HSC Kod) 14, — IMO Karar MSC.97(73)-(2000 HSC Kod)</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural III/6, — IMO Karar A.694(17), — IMO Karar MSC.36(63) -(1994 HSC Kod) 8, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 8, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14, — IMO Karar MSC.149(77), — ITU-R M.489-2 (10/95).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — ETSI EN 300 225 V1.5.1:2015-12, — ETSI EN 301 843-2 V2.2.1:2017-11.</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-12: 1996 +A1:2017.</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>10.10.2026 (iii)</p>
<p>GTY/5.17</p> <p>İki yönlü VHF telsiz telefon aparatlı taşınabilir can salı</p>	<p>Tip onay gereklilikleri</p> <p>—Kural IV/14, —Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — ETSI EN 300 225 V1.5.1:2015-12,</p>	<p>B+D B+E B+F</p>	<p>10.10.2023</p>	



1	2	3	4	5	6
Sıra 2/2 (YENİ SIRA)	Taşıma ve performans gereklilikleri — Kural III/6, — IMO Karar A.694(17), — IMO Karar A.809(19), — IMO Karar SC.36(63) -(1994 HSC Kod) 8, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 8, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14,	— ETSI EN 301 843-2 V2.2.1:2017-11. Ya da: — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-12:1996 +A1:2017.			
	— IMO Karar MSC.149(77), — IMO Res. MSC.515(105), — ITU-R M.489-2 (10/95).				
GTY/5.18  İki yönlü VHF telsiz telefon aparathı sabit can sallarını  Sıra 1/1	Tip onay gereklilikleri —Kural IV/14, —Kural X/3, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14.  Taşıma ve performans gereklilikleri — Kural III/6, — IMO Karar A.694(17), — IMO Karar A.809(19), — IMO Karar MSC.36(63) -(1994 HSC Kod) 8, — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 8, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14. — ITU-R M.489-2 (10/95).	— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — ETSI EN 301 466 V1.2.1:2015- 12. Ya da: — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61097-12:1996 +A1:2017.	B+D  B+E  B+F	19.6.2018	
GTY/5.19 – 1 Aralık 2020 tarihinden itibaren kullanımdan kaldırılan Inmarsat F77 hizmetinden dolayı madde iptal edilmiştir.					

1	2	3	4	5	6
<p>GTY/5.20</p> <p>İtfaiyecinin iki yönlü telsiz telefon aparatı</p> <p>Uygulama Yönetmeliği</p> <p>2019/1397 tarafından eklenen yeni madde</p> <p>Sıra 1/2</p>	<p>Tip onay gereklilikleri</p> <p>— Kural II-2/2.</p> <p>— Kural II-2/10.</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</p> <p>— ETSI EN 301 843-2 V2.2.1:2017-11,</p> <p>— ATEX yönerge 2014/34/EU.</p> <p>a) UHF taşınabilir radyolar:</p> <p>— ETSI EN 300720 V2.1.1:2017-01,</p> <p>b) VHF taşınabilir radyolar:</p> <p>— ETSI EN 301178 V.2.2.2 :2017-04</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</p> <p>— ETSI EN 301 843-2 V2.2.1:2017-11,</p> <p>— ATEX yönerge 2014/34/EU.</p> <p>a) UHF taşınabilir radyolar:</p> <p>— ETSI EN 300720 V2.1.1:2017-01,</p> <p>b) VHF taşınabilir radyolar:</p> <p>— ETSI EN 301178 V.2.2.2 :2017-04.</p>			

1	2	3	4	5	6
<p>GTY/5.20</p> <p>İtfaiyecinin iki yönlü telsiz telefon aparatı</p> <p>Uygulama Yönetmeliği</p> <p>2019/1397 tarafından eklenen yeni madde</p> <p>Sıra 2/2</p> <p>(YENİ SIRA)</p>	<p>Tip onay gereklilikleri</p> <p>— Kural II-2/2.</p> <p>— Kural II-2/10.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>—Kural II-2/10.</p> <p>— IMO Karar A.694(17),</p> <p>— IMO MSC.1sirküler 1616,</p> <p>— ITU-R M.489-2 (10/95),</p> <p>— ITU-R M.1174-4 (10/2019)</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</p> <p>— ETSI EN 301 843-2 V2.2.1:2017-11,</p> <p>— EN 60079 serisi</p> <p>a) UHF taşınabilir radyolar:</p> <p>— ETSI EN 300720 V2.1.1:2017-01,</p> <p>b) VHF taşınabilir radyolar:</p> <p>— ETSI EN 301178 V.2.2.2 :2017-04</p> <p>Ya da:</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p> <p>— ETSI EN 301 843-1 V2.2.1:2017-11,</p> <p>— ETSI EN 301 843-2 V2.2.1:2017-11,</p> <p>— EN 60079 serisi</p> <p>a) UHF taşınabilir radyolar:</p> <p>— ETSI EN 300720 V2.1.1:2017-01,</p> <p>b) VHF taşınabilir radyolar:</p> <p>— ETSI EN 301178 V.2.2.2 :2017-04.</p>			
<p>GTY/5.21</p>	<p>Tip onay gereklilikleri,</p> <p>—Kural IV/14,</p>	<p>— IMO MSC/Sirkü.862,</p>			

1	2	3	4	5	6
<p>Entegre iletişim sistemi (ICS) Uygulama Yönetmeliği 2019/1397 tarafından eklenen yeni madde</p> <p>Sıra 1/2</p>	<p>—Kural X/3.</p> <p>Taşıma ve performans gereklilikleri</p> <p>—Kural IV/14,</p> <p>—Kural X/3,</p> <p>— IMO Karar A694(17),</p> <p>— IMO Karar A.811(19),</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</p> <p>— IMO Karar MSC.191(79),</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO MSC.1/Sirkü.1389,</p> <p>IMO COMSAR/Sirkü32.</p> <p>ICS'de yer alan GMDSS işlevleri ve birimleri için, bu işlevler ve birimlere yönelik test gereklilikleri geçerlidir.</p>	<p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>EN 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN 62940:2017,</p> <p>— IEC 61924-2 düzeltme 1:2013</p> <p>içeren EN 61924-2:2013</p> <p>— EN 62288:2014,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018.</p> <p>ICS'de yer alan GMDSS işlevleri ve birimleri için, bu işlevler ve birimlere yönelik test gereklilikleri geçerlidir.</p> <p>Ya da:</p> <p>— IMO MSC/Sirkü.862,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002</p> <p>— IEC 61162 serisi</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 61162-3 sürüm.1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p>			

1	2	3	4	5	6
		<p>— IEC 62940:2016,  —IEC 61924-2 düzeltme. 1:2013  içeren IEC 61924-2:2012  — IEC 62288:2014,  — IEC 62923-1:2018,  — IEC 62923-2:2018.  ICS'de yer alan GMDSS işlevleri ve birimleri için, bu işlevler ve birimlere yönelik test gereklilikleri geçerlidir.</p>			
<p>GTY/5.21  Entegre iletişim sistemi (ICS)  Uygulama Yönetmeliği  2019/1397 tarafından eklenen yeni madde  Sıra 2/2</p>	<p>Tip onay gereklilikleri,  —Kural IV/14,  —Kural X/3.  Taşıma ve performans gereklilikleri  —Kural IV/14,  —Kural X/3,  — IMO Karar A694(17),  — IMO Karar A.811(19),  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  — IMO Karar MSC.97(73) -(2000 HSC Kod) 14,  — IMO Karar MSC.191(79),  — IMO Karar MSC.302(87),  — IMO MSC.1/Sirkü.1389,  IMO COMSAR/Sirkü32.  ICS'de yer alan GMDSS işlevleri ve birimleri için, bu işlevler ve birimlere yönelik test gereklilikleri geçerlidir.</p>	<p>— IMO MSC/Sirkü.862,  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998  EN 61162-3:2008  +A1:2010+A2:2014  EN IEC 61162-450:2018,  — EN 62940:2017,  — EN IEC 62288:2022,  — EN IEC 62923-1:2018,  — EN IEC 62923-2:2018.  ICS'de yer alan GMDSS işlevleri ve birimleri için, bu işlevler ve birimlere yönelik test gereklilikleri geçerlidir.  Ya da:</p>			

1	2	3	4	5	6
		<p>— IMO MSC/Sirkü.862,  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — IEC 61162 serisi  IEC 61162-1:2016  IEC 61162-2 Ed.1.0:1998-09  IEC 61162-3 sürüm.1.2 ile birleşik  A1 sürüm 1.0:2010-11 ve A2  sürüm. 1.0:2014-07  IEC 61162-450:2018,  — IEC 62940:2016,  — IEC 62288 Ed. 3.0:2021  — IEC 62923-1:2018,  — IEC 62923-2:2018.  ICS'de yer alan GMDSS işlevleri ve  birimleri için, bu işlevler ve  birimlere yönelik test gereklilikleri  geçerlidir.</p>			
<p>GTY/5.22  GMDSS'de kullanılmak üzere  gemi yer istasyonu  Uygulama Yönetmeliği (EU)  2020/1170 tarafından eklenen  yeni madde  Eski GTY/9/5.9.</p>	<p>Tip onay gereklilikleri  — Kural IV/14,  — Kural X/3.  Taşıma ve performans gereklilikleri  —Kural IV/10,  —IMO Karar A694(17),  — IMO Karar MSC.36(63) -(1994 HSC Kod) 14,  — IMO Karar MSC.97(73) -(2000 HSC Kod) 14,  — IMO Karar MSC.302(87),  — IMO Karar MSC.434(98),</p>	<p>— IMO MSC/Sirkü.862,  — IEC 60945 düzeltme 1:2008  içeren EN 60945:2002  — EN 61162 serisi:  EN 61162-1:2016  EN 61162-2:1998  N 61162-3:2008  +A1:2010+A2:2014  EN IEC 61162-450:2018,  — EN IEC 62923-1:2018,</p>	<p>B+D  B+E  B+F</p>	<p>12.08.2020</p>	<p>25.08.2024</p>

1	2	3	4	5	6
Sıra 1/3	<p>— IMO MSC/Sirkü.862, — IMO COMSAR/Sirkü.32.</p>	<p>— EN IEC 62923-2:2018, — ETSI EN 301 441 V2.1.1:2016, — IEC 61097-16:2019. Ya da: — IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC 61162 serisi IEC 61162-1:2016 IEC 61162-2 Ed.1.0:1998-09 IEC 61162-3 sürüm.1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm. 1.0:2014-07 IEC 61162-450:2018, — IEC 61097-16:2019, — IEC 62923-1:2018, — IEC 62923-2:2018. Ve ek olarak Inmarsat teçhizatı için; — ETSI ETS 300 460:1996 + A1:1997.</p>			
<p>GTY/5.22</p> <p>GMDSS’de kullanılmak üzere gemi yer istasyonu Inmarsat C teçhizatı: Uygulama Yönetmeliği (EU) 2020/1170 tarafından eklenen yeni madde</p>	<p>Tip onay gereklilikleri</p> <p>— Kural IV/14, — Kural X/3</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/10, — IMO Karar A694(17), — IMO Karar MSC.36(63) -(1994 HSC Kod) 14, — IMO Karar MSC.97(73) -(2000 HSC Kod) 14, — IMO Karar MSC.302(87),</p>	<p>— IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002 — EN 61162 serisi: EN 61162-1:2016 EN 61162-2:1998 N 61162-3:2008 +A1:2010+A2:2014 EN IEC 61162-450:2018,</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	<p>15.08.2025 (iii)</p>

1	2	3	4	5	6
Inmarsat Filo Geniş Bant (FBB) teçhizatı ve İridyum teçhizatı: Uygulama Yönetmeliği (EU) 2021/1158 tarafından eklenen yeni madde  Eski GTY/9/5.9.  Sıra 2/3	— IMO Karar MSC.434(98), — IMO MSC/Sirkü.862, — IMO COMSAR/Sirkü32.	— EN IEC 62923-1:2018, — EN IEC 62923-2:2018, — IEC 61097-16:2019. Ve ek olarak Inmarsat C teçhizatı için; — ETSI ETS 300 460:1996 + A1:1997. Ve ek olarak, Inmarsat Geniş Filo Bandı (FBB) teçhizatı: — ETSI EN 301444 V2.1.2:2016. Ve ek olarak, İridyum teçhizatı: — ETSI EN 301441 V2.1.1:2016. Ya da: — IMO MSC/Sirkü.862, — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002 — IEC61162 serisi: IEC 61162-1:2016 IEC 61162-2:1998-09 IEC 61162-3 sürüm.1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm. 1.0:2014-07 IEC 61162-450:2018, — IEC 61097-16:2019. —IEC 62923-1:2018, —IEC 62923-2:2018, Ve ek olarak Inmarsat C teçhizatı için;			



1	2	3	4	5	6
		<p>— ETSI ETS 300 460:1996 + A1:1997.</p> <p>Ve ek olarak, Inmarsat Geniş Filo Bandı (FBB) teçhizatı:</p> <p>— ETSI EN 301444 V2.1.2:2016.</p> <p>Ve ek olarak, İridyum teçhizatı:</p> <p>— ETSI EN 301441 V2.1.1:2016.</p>			
<p>GTY/5.22</p> <p>GMDSS'de kullanılmak üzere gemi yer istasyonu</p> <p>Inmarsat C teçhizatı:</p> <p>Uygulama Yönetmeliği (EU) 2020/1170 tarafından eklenen yeni madde</p> <p>Inmarsat Filo Geniş Bant (FBB) teçhizatı ve İridyum teçhizatı: Uygulama Yönetmeliği (EU) 2021/1158 tarafından eklenen yeni madde</p> <p>Eski GTY/9/5.9.</p> <p>Sıra 3/3</p>	<p>Tip onay gereklilikleri</p> <p>— Kural IV/14,</p> <p>— Kural X/3</p> <p>Taşıma ve performans gereklilikleri</p> <p>— Kural IV/10,</p> <p>— IMO Karar A694(17),</p> <p>— IMO Karar MSC.36(63) -(1994 HSC Kod) 14,</p> <p>— IMO Karar MSC.97(73) -(2000 HSC Kod) 14,</p> <p>— IMO Karar MSC.302(87),</p> <p>— IMO Karar MSC.434(98),</p> <p>— IMO MSC/Sirkü.862,</p> <p>— IMO COMSAR/Sirkü32.</p>	<p>— IMO MSC/Sirkü.862,</p> <p>— IEC 60945 düzeltme 1:2008</p> <p>içeren EN 60945:2002</p> <p>— EN 61162 serisi:</p> <p>EN 61162-1:2016</p> <p>EN 61162-2:1998</p> <p>N 61162-3:2008</p> <p>+A1:2010+A2:2014</p> <p>EN IEC 61162-450:2018,</p> <p>— EN IEC 62923-1:2018,</p> <p>— EN IEC 62923-2:2018,</p> <p>— IEC 61097-16:2019.</p> <p>Ve ek olarak Inmarsat C teçhizatı için;</p> <p>— ETSI ETS 300 460:1996 + A1:1997.</p> <p>Ve ek olarak, Inmarsat Geniş Filo Bandı (FBB) teçhizatı:</p> <p>— ETSI EN 301 444 V2.2.1:2021.</p> <p>Ve ek olarak, İridyum teçhizatı:</p>	<p>B+D</p> <p>B+E</p> <p>B+F</p>	<p>15.08.2022</p>	

1	2	3	4	5	6
		<p>— ETSI EN 301 441 V2.1.1:2016.</p> <p>Ya da:</p> <p>— IMO MSC/Sirkü.862,</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p> <p>— IEC 61162 serisi:</p> <p>IEC 61162-1:2016</p> <p>IEC 61162-2:1998-09</p> <p>IEC 61162-3 sürüm.1.2 ile birleşik A1 sürüm 1.0:2010-11 ve A2 sürüm. 1.0:2014-07</p> <p>IEC 61162-450:2018,</p> <p>— IEC 61097-16:2019.</p> <p>— IEC 62923-1:2018,</p> <p>— IEC 62923-2:2018,</p> <p>Ve ek olarak Inmarsat C teçhizatı için;</p> <p>— ETSI ETS 300 460:1996 + A1:1997.</p> <p>Ve ek olarak, Inmarsat Geniş Filo Bandı (FBB) teçhizatı:</p> <p>— ETSI EN 301 444 V2.2.1:2021.</p> <p>Ve ek olarak, İridyum teçhizatı:</p> <p>— ETSI EN 301441 V2.1.1:2016.</p>			

1	2	3	4	5	6
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#### 6. COLREG 72 Kapsamında Gerekli Teçhizat

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
GTY/6.1 Seyir Işıkları	Tip onay gereklilikleri — COLREG 72 Ek I/14.	AC:2006 içeren EN 14744:2005 — IEC 60945 düzeltme 1:2008 içeren EN 60945:2002	B+D B+E B+F G		
Sıra 1/1	Taşıma ve performans gereklilikleri — COLREG 72 Ek I/14, — IMO Karar A.694(17), — IMO Karar MSC.253(83).	Ya da AC:2006 içeren EN 14744:2005 — IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002			

#### 7. Diğer Güvenlik Teçhizatları

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
GTY/7.1 Gazla dolu alana giriş ve çalışma için bağımsız basınçlı havayla çalışan solunum cihazı (Uygulama Yönetmeliği (EU) 2018/773 tarafından)	Tip onay gereklilikleri — Kural II-2/10, — IMO Karar MSC.98(73) -(FSS Kod) 3. Taşıma ve performans gereklilikleri —Kural II-2/10, —Kural II-2/15, — IMO Karar MSC.98(73) -(FSS Kod) 3, — IMO Karar MSC.4(48) -(IBC Kod) 14,	— ISO 23269-3:2011.  Not:MED/3.44 maddesi kapsamındaki bağlantılı yanmaz cankurtaran halatı, solunum cihazı ile birlikte kullanılmalı ve cankurtaran halatı kullanılırken solunum cihazının ayrılmasını	B+D B+E B+F G	19.06.2018	

1	2	3	4	5	6
eklenen yeni madde. Madde 3.7'ye bakınız.)  Sıra 1/1	— IMO Karar MSC.5(48) -(IGC Kod) 14, — IMO MSC.1/Sirkü.1499.	önlemek için cihazın kayışına veya ayrı bir kemere bir çıtçıtli kanca vasıtasıyla bağlanabilmelidir. Bu maddeye uygunluk beyanı, ekipmanın MED/3.44 numaralı cankurtaran halatı ile birlikte kullanılması gerektiğini belirtmeli ve kullanıcıya cankurtaran halatı takılacağı yeri sağlamalıdır.			

#### 8. SOLAS Bölüm II-1 Kapsamında Teçhizat

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları	Uygunluk değerlendirme modülleri	Piyasaya ilk arzı	Gemiye en son yerleştirme
GTY/8.1  Su seviyesi detektörleri  Sıra 1/3	Tip onay gereklilikleri — Karar II-1/22-1, — Karar II-1/25, — Karar XII/12.  Taşıma ve performans gereklilikleri — Kural II-1/25, — Kural XII/12. — IMO Karar A.1021(26), — IMO Karar MSC.188(79),	— IEC-60092-504:2016, — IEC 60529 sürüm. 2.2:2013, — IMO Karar. MSC.188(79), — IMO MSC.1/Sirkü.1291.	B+D B+E B+F	16.3.2017	13.9.2022

1	2	3	4	5	6
	— IMO MSC.1/Sirkü.1464 Rev.1.				
GTY/8.1 Su seviyesi detektörleri Sıra 2/3	Tip onay gereklilikleri — Karar II-1/22-1, — Karar II-1/25, — Karar XII/12. Taşıma ve performans gereklilikleri — Kural II-1/25, — Kural XII/12. — IMO Karar A.1021(26), — IMO Karar. MSC.188(79), — IMO MSC.1/Sirkü.1572.	IEC-60092-504:2016, — Sürüm. 2.2:2013 düzeltme 1:2013 ve düzeltme 2:2015 içeren IEC 60529 — IMO Karar MSC.188(79), — IMO MSC.1/Sirkü.1291.	B+D B+E B+F	13.9.2019	15.8.2025
GTY/8.1 Su seviyesi detektörleri Sıra 3/3	Tip onay gereklilikleri — Kural II-1/22-1, — Kural II-1/25, — Kural XII/12. Taşıma ve performans gereklilikleri — Kural II-1/25, — Kural XII/12. — IMO Karar A.1021(26), — IMO Karar MSC.188(79), — IMO Karar MSC.302(87), — IMO MSC.1/Sirkü.1572. Revizyon 1	IEC-60092-504:2016, — Sürüm. 2.2:2013 düzeltme 1:2013 ve düzeltme 2:2015 içeren IEC 60529 — IMO Karar MSC.188(79), — IMO MSC.1/Sirkü.1291. — EN IEC 62923-1:2018, — EN IEC 62923-2:2018. yada — IEC-60092-504:2016, — Sürüm. 2.2:2013 düzeltme 1:2013 ve düzeltme 2:2015 içeren IEC 60529 — IMO Karar MSC.188(79), — IMO MSC.1/Circ.1291, — IEC 62923-1:2018,	B+D B+E B+F	15.8.2022	

1	2	3	4	5	6
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		— IEC 62923-2:2018.			
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## 9. MED sertifikasyonuna tabi olmayan ekipmanlar

Aşağıdaki liste sadece bilgi amaçlıdır.

### 9.1. Can Kurtarma Araçları

GTY/9.15 Genel anons ve genel acil durum alarm sistemi (yangın alarm cihazı olarak kullanıldığında madde MED/3.53 uygulanacaktır)	2022/1157 sayılı Uygulama Yönetmeliği (AB) ile MED/1.44a ve MED/1.44b'ye taşınmıştır.
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### 9.2. Deniz kirliliği önleme ekipmanı

Sıra No ve Teçhizat	Değiştirildiği şekliyle MARPOL 73/78 Yönetmeliği ve uygulanabilir olduğu şekliyle IMO'nun ilgili kararları ve genelgesi	Test standartları
GTY/9.2.4	Tip onay gereklilikleri — IMO Karar MEPC.176(58) - (Revize edilmiş MARPOL Ek VI, Kural 4), — IMO KararMEPC.184(59).	

1	2	3	4	5	6
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SOx emisyonlarını sınırlandırmak için diğer teknolojik yöntemleri kullanan ekipmanlar		
	Taşıma ve performans gereklilikleri — IMO Karar MEPC.176(58) - (Revize edilmiş MARPOL Ek VI, Kural 4),	

### 9.3. Yangından Korunma Ekipmanı

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirkülerleri	Test standartları
GTY/9.3.8 Elektrikli emniyet lambası	Tip onay gereklilikleri — SOLAS 74/2009 Kural II-2/10, — SOLAS 74/2009 Kural X/3, — IMO KararMSC.98(73)-(FSS Kod) 3.	— EN 60079 serisi.
	Taşıma ve performans gereklilikleri — SOLAS 74/2009 Kural II-2/10,  — IMO KararMSC.36(63)-(1994 HSC Kod) 7, — IMO KararMSC.97(73)-(2000 HSC Kod) 7, — IMO KararMSC.98(73)-(FSS Kod) 3.	

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<p>GTY/9.3.9</p> <p>Kimyasal saldırılara karşı dayanıklı koruyucu giysi</p>	<p>Tip onay gereklilikleri</p> <p>— SOLAS 74/2009 Kural II-2/19.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— SOLAS 74/2009 Kural II-2/19,</p> <p>— IMO KararMSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO KararMSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO KararMSC.4(48)-(IBC Kod) 14,</p> <p>— IMO KararMSC.5(48)-(IGC Kod) 14.</p>	<p>— EN 943-1:2015 içeren A1:2019,</p> <p>— EN 943-2:2019,</p> <p>— EN 13832-1:2018,</p> <p>— EN 13832-2:2018,</p> <p>— EN 13832-3:2018,</p> <p>— EN 14605:2005 içeren A1:2009,</p> <p>— EN ISO 6530:2005,</p> <p>— ISO 6529:2013,</p> <p>— IMO MSC/Sirkü 1120.</p>			
<p>GTY/9.3.21</p> <p>Boyahaneler ve yanıcı sıvı dolapları yangın söndürme sistemi bileşenleri</p>	<p>Tip onay gereklilikleri</p> <p>SOLAS 74/2009 Kural II-2/10.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— SOLAS 74/2009 Kural II-2/10,</p> <p>— IMO MSC/Sirkü 1239.</p>				
<p>GTY/9.3.24</p> <p>Portatif Köpük Aplikatör Üniteleri</p>	<p>Tip onay gereklilikleri</p> <p>— SOLAS 74/2009 Kural II-2/10,</p> <p>— SOLAS 74/2009 Kural II-2/20,</p> <p>— SOLAS 74/2009 Kural X/3.</p> <hr/> <p>Taşıma ve performans gereklilikleri</p> <p>— SOLAS 74/2009 Kural II-2/10,</p> <p>— SOLAS 74/2009 Kural II-2/20,</p> <p>— IMO KararMSC.36(63)-(1994 HSC Kod) 7,</p> <p>— IMO KararMSC.97(73)-(2000 HSC Kod) 7,</p> <p>— IMO KararMSC.98(73)-(FSS Kod) 4,</p> <p>— IMO MSC/Sirkü.1239,</p>				



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	— IMO MSC.1/Sirkü.1313.	
GTY/9.3.26 Evsel Amaçlı Kullanılan Gazlı Yakıt Sistem Bileşenleri	Tip onay gereklilikleri — SOLAS 74/2009 Kural II-2/4.	
	Taşıma ve performans gereklilikleri — SOLAS 74/2009 Kural II-2/4, — IMO MSC.1/Circ.1276.	
GTY/9.3.27 Sabit Gaz Yangını Söndürme Sistemleri (CO 2) bileşenleri	Tip onay gereklilikleri — SOLAS 74/2009 Kural II-2/10, — SOLAS 74/2009 Kural X/3.	Elektrikli otomatik kontrol ve geciktirme cihazları: — EN 12094-1:2003, Elektrikli olmayan otomatik kontrol ve geciktirme cihazları: — EN 12094-2:2003, Manuel tetikleme ve durdurma cihazları: — EN 12094-3:2003, Konteyner vana tertibatları ve bunların aktüatörleri: — EN 12094-4:2004, Yüksek ve alçak basınç valfleri ve bunların aktüatörleri: — EN 12094-5:2006,
	Taşıma ve performans gereklilikleri — SOLAS 74/2009 Kural II-2/10., — SOLAS 74/2009 Kural II-2/20, — IMO KararMSC.36(63)-(1994 HSC Kod) 7, — IMO KararMSC.97(73)-(2000 HSC Kod) 7, — IMO KararMSC.98(73)-(FSS Kod) 5, — IMO MSC.1/Sirküler1313, — MSC.1/Circ.1318/Revizyon1, — IMO MSC.1/Circ.1456.	

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		<p>Elektrikli olmayan devre dışı bırakma cihazları:</p> <p>— EN 12094-6:2006,</p> <p>CO2 Sistemleri için Nozullar:</p> <p>— EN 12094-7:2000 içeren A1:2005, Konektörler:</p> <p>— EN 12094-8:2006,</p> <p>Basınç göstergeleri ve basınç şalterleri:</p> <p>— EN 12094-10:2003,</p> <p>Mekanik tartım cihazları:</p> <p>— EN 12094-11:2003,</p> <p>Çek valfler ve geri dönüşsüz valfler:</p> <p>— EN 12094-13:2001 içeren AC:2002,</p> <p>CO 2 alçak basınç sistemleri için koku giderici cihazlar:</p> <p>— EN 12094-16:2003.</p>
GTY/9.3.31	Tip onay gereklilikleri	
Elle Kumandalı Su Püskürtme sistemi	<p>— SOLAS 74/2009 Kural II-2/10,</p> <p>— SOLAS 74/2009 Kural II-2/19.</p>	
	<p>Taşıma ve performans gereklilikleri</p> <p>— SOLAS 74/2009 Kural II-2/10,</p> <p>— SOLAS 74/2009 Kural II-2/19.</p>	
GTY/9.3.33	Tip onay gereklilikleri	
	— SOLAS 74/2009 Kural II-2/10,	

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Çapı 52 mm den büyük olan yangın hortumları	— SOLAS 74/2009 Kural X/3.	
	Taşıma ve performans gereklilikleri — SOLAS 74/2009 Kural II-2/10, — IMO KararMSC.36(63)-(1994 HSC Kod) 7, — IMO KararMSC.97(73)-(2000 HSC Kod) 7.	
GTY/9.3.74 Alkole dayanıklı köpük sistemi (AB) 2022/1157 sayılı Uygulama Yönetmeliği ile eklenmiştir.	Tip onay gereklilikleri — SOLAS 74 KuralII-1/56, — SOLAS 74 KuralII-1/57.	
	Taşıma ve performans gereklilikleri — SOLAS 74 Kural II-1/56, — IMO KararMSC.391(95)-(IGF Kod), — IMO Karar1/Circ.1621(11).	
GTY/9.3.75 Yakıt boru sistemleri için metil/etil alkole uygun hortumlar. (AB) 2022/1157 sayılı Uygulama Yönetmeliği ile eklendi.	Tip onay gereklilikleri — SOLAS 74 KuralII-1/56, — SOLAS 74 KuralII-1/57.	
	Taşıma ve performans gereklilikleri — SOLAS 74 Kural II-1/56, — IMO KararMSC.391(95)-(IGF Kod), — IMO MSC.1/Karar1621(5).	
GTY/9.3.76	Tip onay gereklilikleri — SOLAS 74 KuralII-1/56, — SOLAS 74 KuralII-1/57.	

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Metil/etil alkol yakıt tanklarına uygun buhar çıkışları (AB) 2022/1157 sayılı Uygulama Yönetmeliği ile eklendi.	Taşıma ve performans gereklilikleri — SOLAS 74 Kuralı-1/56, — IMO Karar MSC.5(48)-(IGC Code), — MSC.1/Circ.1621(6).	
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9.4. Seyir ekipmanları

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirkülerleri	Test standartları
GTY/9.4.20 Yüksek hızlı tekneler için palet kontrol sistemi	<p>Tip onay gereklilikleri — SOLAS 74/2009 Kural X/3, — IMO KararMSC.36(63)-(1994 HSC Kod), — IMO KararMSC.97(73)-(2000 HSC Kod).</p> <p>Taşıma ve performans gereklilikleri — IMO KararA.694(17), — IMO KararMSC.36(63)-(1994 HSC Kod), — IMO KararMSC.97(73)-(2000 HSC Kod), — IMO KararMSC.191(79).</p>	<p>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</p> <p>— EN 61162 serisi: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 içerir EN 61162-3:2008/A1:2010 ve EN 61162-3:2008/A2:2014 - EN 61162-450:2011+A1:2016, — IEC 62288:2014, — IEC 62923-1:2018, — IEC 62923-2:2018.</p> <p>veya</p> <p>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</p> <p>— IEC 61162 serisi: - IEC 61162-1:2016 - IEC 61162-2:1998 - IEC 61162-3:2008+AMD1:2010+AMD2:2014 CSV - IEC 61162-450:2011+AMD1:2016,</p>

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		<ul style="list-style-type: none"> <li>— IEC 62288:2014,</li> <li>— IEC 62923-1:2018,</li> <li>— IEC 62923-2:2018.</li> </ul>
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#### 9.5. Radyo komunikasyon ekipmanları

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları
GTY/9.5.8  Havacılık çift yönlü VHF telsiz telefon cihazı	(AB) 2020/1170 sayılı Uygulama Yönetmeliği ile MED/5.16'ya taşınmıştır.	

#### 9.6. COLREG 72 kapsamında gerekli ekipman

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları
GTY/9.6.2  Ses sinyali cihazları	Tip onay gereklilikleri — COLREG 72 Ek III/3.	<ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren EN 60945:2002</li> <li>— Düdükler - COLREG 72 Ek III/1 (Performans),</li> <li>— Ziller veya Gonglar - COLREG 72 Ek III/2 (Performans),</li> </ul> Ya da; <ul style="list-style-type: none"> <li>— IEC 60945 düzeltme 1:2008 içeren IEC 60945:2002</li> <li>— Düdükler - COLREG 72 Ek III/1 (Performans),</li> </ul>
	Taşıma ve performans gereklilikleri — COLREG 72 Ek III/3, — IMO KararA.694(17).	

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		— Ziller veya Gonglar - COLREG 72 Ek III/2
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#### 9.7. Diğer güvenlik ekipmanı

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları
GTY/9.7.1 Yükleme Ekipmanları	Tip onay gereklilikleri — SOLAS 74/2009 Kural XII/11, — 1997 SOLAS Konferans Karar 5.	— IMO MSC.1/Sirküler 1229.
	Taşıma ve performans gereklilikleri — SOLAS 74/2009 Kural XII/11, — 1997 SOLAS Konferans Karar 5, — IACS Tavsiye No. 48	

#### 9.8. SOLAS Bölüm II-1 ekipmanı

Sıra No ve Teçhizat	Düzeltilmiş haliyle SOLAS 74 kuralları ve uygulanabilir olan IMO'nun ilgili kararı ve sirküleri	Test standartları
GTY/9.8.1	Tip onay gereklilikleri — SOLAS 74/2009 Kural II-1/44,	

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Jeneratör setlerinin soğuk havada çalıştırılması (çalıştırma cihazları)	— SOLAS 74/2009 Kural X/3.	
	Taşıma ve performans gereklilikleri — SOLAS 74/2009 Kural II-1/44, — IMO KararMSC.36(63)-(1994 HSC Kod) 12, — IMO KararMSC.97(73)-(2000 HSC Kod) 12, —Düzeltilme1 ve düzeltme 2'yi içeren IMO MSC.1/Circ.1464/Revizyon.1	

## GENEL GEREKÇE

Tersaneler ve Kıyı Yapıları Genel Müdürlüğü sorumluluğundaki ürünlerin PGD faaliyeti gerektiren 2 adet AB direktifinden uyumlaştırılmış mevzuat bulunmaktadır. Bu mevzuat 2013/53/EU sayılı Direktifi esas alınarak hazırlanan “ Gezi Tekneleri ve Kişisel Deniz Taşıtları Yönetmeliği ” ve 96/98/EC no'lu Direktifin uyumlaştırılmasıyla hazırlanan Gemi Teçhizatı Yönetmeliği'dir.

96/98/EC no'lu Avrupa Birliği Direktifi mevzuatımıza uyumlaştırılarak Gemi Teçhizatı Yönetmeliği adıyla yürütülmektedir. Söz konusu Avrupa Birliği (AB) mevzuatı; 23 Temmuz 2014 tarihli 2014/90/AB sayılı direktif ile revize edilmiş olup, bu direktifin uyum çalışmaları büyük ölçüde tamamlanmış ve söz konusu direktif uyum mektubu alınmak üzere Komisyonu'na iletilme aşamasındadır.

2014/90/EU sayılı AB Direktifi olan Gemi Teçhizatı Yönetmeliği uyarınca Avrupa Komisyonu tarafından yayımlanan 2023/1667 sayılı Uygulama Yönetmeliğinde; Gemi Teçhizatı Yönetmeliği kapsamında kullanılacak ekipmanların listesi, hangi IMO mevzuat kapsamında yer aldığı, test standartları, uygunluk değerlendirme modülleri, piyasaya ilk arz ve gemiye son yerleştirme tarihleri bulunmakta olup 2014/90/AB sayılı direktifin uyumlaştırılması ile beraber 2023/1667 sayılı AB Uygulama Yönetmeliği'nin uyumlaştırılarak ilgili paydaşların eş zamanlı olarak kullanımına sunulması önem arz etmektedir.



**GEMİ TEÇHİZATI YÖNETMELİĞİ KAPSAMINDA YER ALAN EKİPMANLARIN TASARIM, YAPIM, PERFORMANS GEREKLİLİKLERİ VE TEST STANDARTLARINA İLİŞKİN TEBLİĞ TASLAĞI**

**MADDE 1 – (1)** Gemi Teçhizat Yönetmeliği ile atıfta bulunulan AB direktifi kapsamındaki ekipmanların tasarım, yapım ve performans gereklilikleri, test standartları, piyasaya ilk arz ve gemiye son yerleştirme tarihleri Ek-1’de belirtilmiştir.

**MADDE 2 – (1)** Bu Tebliğ yayımı tarihinde yürürlüğe girer.

**MADDE 3 – (1)** Bu Tebliğ hükümlerini Ulaştırma ve Altyapı Bakanı yürütür.