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03.10.2025

**Konu** : Alternatif Yakıtlar ve Yeni Teknolojiler  
Konularında Eğitim Hk.

Sirküler No: 753

Sayın Üyemiz,

Uluslararası Denizcilik Örgütü'nün (International Maritime Organization-IMO) resmi internet sitesinde (<https://124.im/9cgUL>) yayımlanan duyuruda;

IMO 2023 Sera Gazı Stratejisi ile uyumlu olarak deniz taşımacılığının enerji dönüşümüne hazırlanması için alternatif yakıt ve yeni teknolojiler ile çalışan gemilerde görev yapan denizcilere yönelik Gemiadamlarının Eğitim Belgelendirme ve Vardiya Tutma Standartları Hakkında Uluslararası Sözleşme (International Convention on Standards of Training, Certification and Watchkeeping for Seafarers-STCW) kapsamında " *Alternatif Yakıtlar ve Yeni Teknolojiler Kullanan Gemilerde Denizciler İçin Ara Dönem Genel Eğitim Rehberleri (STCW.7/Circ.25)*" nin yayımlandığı belirtilmektedir.

Bu kapsamda, alternatif yakıt ve yeni teknolojiler ile çalışan gemilerde görev yapan denizcilerin eğitiminin geliştirilmesi ve onaylanmasına yönelik uluslararası bir çerçeve oluşturmayı hedefleyen rehberlerle ilgili IMO duyurusunun Türkçe tercümesi ve STCW.7/Circ.25 Ek'te yer almaktadır.

Bilgilerinize arz ve rica ederim.

Saygılarımla,

*e-imza*Ender KAHYA  
Genel Sekreter V.**Ek:**

- 1- IMO Duyurusu'nun Türkçe Tercümesi (1 Sayfa)
- 2- STCW.7/ Circ.25 (6 Sayfa)

Dağıtım:

Gereği:

- Tüm Üyeler (Odamız web sitesi ve e-posta ile)
- İMEAK DTO Şube ve Temsilcilikleri
- Türk Armatörler Birliği
- S.S. Armatörler Taşıma ve İşletme Kooperatifi

Bilgi:

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

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

Evrak Doğrulamak İçin :  
<https://ebys.denizticaretodasi.org.tr/enVision.Sorgula/Belgedogrulama.aspx?eD=BSVE2RPZ0>  
Bilgi için: Buse ÖZTÜRK ÇAKIR Telefon: 0212 252 01 30/249  
E-Posta: buse.cakir@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  
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- GİSBİR (Türkiye Gemi İnşa Sanayicileri Birliği Derneği)
- Gemi, Yat ve Hizmetleri İhracatçıları Birliği
- VDAD (Vapur Donatanları ve Acenteleri Derneği)
- TÜRKLİM ( Türkiye Liman İşletmecileri Derneği)
- KOSDER (Koster Armatörleri ve İşletmecileri Derneği)
- GBD (Gemi Brokerleri Derneği)
- Yalova Altınova Tersane Girişimcileri San.ve Tic.A.Ş.
- UTİKAD (Uluslararası Taşımacılık ve Lojistik Hizmet Üretenleri Derneği)
- GEMİMO (Gemi Makineleri İşletme Mühendisleri Odası)
- TMMOB GMO (Gemi Mühendisleri Odası)
- WISTA Türkiye Derneği
- Türk Uzakyol Gemi Kaptanları Derneği
- Türk Kılavuz Kaptanlar Derneği

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## IMO, Denizcilerin Alternatif Yakıtlar ve Yeni Teknolojiler Konusunda Eğitimini Hızlandırıyor.

Ek-1

Uluslararası Denizcilik Örgütü (International Maritime Organization-IMO), gemilerden kaynaklanan [sera gazı emisyonlarını azaltmaya yönelik stratejisiyle](#) uyumlu olarak, denizcilik çalışanlarını deniz taşımacılığının enerji dönüşümüne hazırlamak için faaliyetlerini artırmaktadır.

IMO, alternatif yakıtlar ve yeni teknolojiler kullanan gemilerde görev yapan denizcilerin eğitimi için “*Alternatif Yakıtlar ve Yeni Teknolojiler Kullanan Gemilerde Denizciler İçin Ara Dönem Genel Eğitim Rehberleri*” ([STCW 7/Circ.25](#)) yayımlanmıştır. Bu rehberler, alternatif yakıtlar ve yeni teknolojileri kullanan tüm gemilerde görev yapan denizcilerin eğitimlerinin geliştirilmesi ve onaylanmasına yönelik uluslararası bir çerçeve ortaya koymaktadır.

Söz konusu eğitim rehberleri, metil/etil alkol, amonyak, hidrojen, LPG, batarya ile çalışan gemiler ve yakıt hücreleri dahil olmak üzere yakıt ve teknolojilere özel geliştirilmektedir. Bu rehberler, İnsan Unsuru, Eğitim ve Vardiya Tutma (Human Element, Training and Watchkeeping-HTW) Alt Komitesi tarafından Şubat 2026’da düzenlenecek toplantıda değerlendirilecektir.

Bahse konu rehberlerin, mevcut durumda [revize edilmekte](#) olan [1978 STCW Sözleşmesi Kodu](#) kapsamında, denizci eğitimine ilişkin bağlayıcı gerekliliklerin temelini oluşturması beklenmektedir. Bu revize çalışması, dekarbonizasyon, dijitalleşme ve diğer gelişmeleri desteklemek amacıyla yürütülmektedir.

### Teknik Destek Yoluyla Kapasite Geliştirme

Düzenlemelerin yanı sıra IMO tarafından Üye Ülkelere verilen destek de genişletilmektedir. Bu kapsamda devam eden girişimler aşağıda yer almaktadır:

- Japonya tarafından finanse edilen, Asya ülkelerinden eğitmenlerin, LNG ile çalışan gemilerin işletilmesi konusunda eğitilmesine yönelik üç yıllık proje.
- Dünya Denizcilik Üniversitesi ile yapılan ortaklık çerçevesinde denizciler için alternatif yakıtlar üzerine eğitim materyalleri hazırlanması (Aynı zamanda Eylül 2025’te başlatılan [Maritime Just Transition Task Force eğitim modellerine](#) de katkı sağlamıştır).
- [GreenVoyage 2050 Programı](#) aracılığıyla, gelişmekte olan ülkelerdeki eğitmenlerin yerel olarak uygun kurslar hazırlaması ve çevrim içi öğrenme modülleri geliştirmesine yönelik destek.
- Singapur’da düzenlenen ve simülatörler ile sanal gerçeklik (VR) araçlarından metanol yangın söndürme tatbikatlarına kadar uygulamalı eğitim yeniliklerini içeren [seminer](#) de dahil olmak üzere düzenleyiciler ve uygulayıcıları bir araya getiren platformlar.

### Adil ve Hazırlıklı Bir Dönüşüm

Yeni eğitim standartları, Üye Ülkelere yönelik artırılmış teknik destek ve sektör ile akademiyle daha yakın iş birliği sayesinde IMO tarafından, denizciler için adil ve iyi hazırlanmış bir enerji dönüşümünün zemini oluşturulmaktadır.

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STCW.7/Circ.25  
8 September 2025

**GENERIC INTERIM GUIDELINES ON TRAINING FOR SEAFARERS  
ON SHIPS USING ALTERNATIVE FUELS AND NEW TECHNOLOGIES**

1 The Marine Environment Protection Committee (MEPC), at its eightieth session (3 to 7 July 2023), adopted the 2023 IMO GHG Strategy (resolution MEPC.377(80)) outlining the Organization's commitment to reducing GHG emissions from international shipping and, as a matter of urgency, aiming to phase them out as soon as possible, while promoting, in the context of this strategy, a just and equitable transition.

2 The Maritime Safety Committee (MSC), at its 107th session (31 May to 9 June 2023), agreed to include in its biennial agenda for 2024-2025 a continuous output on "Development of a safety regulatory framework to support the reduction of GHG emissions from ships using new technologies and alternative fuels", assigning the Committee as the coordinating organ, in association with the CCC, HTW, III, SSE and SDC Sub-Committees as and when requested by the Committee, MEPC being an associated organ.

3 The Sub-Committee on Human Element, Training and Watchkeeping (HTW), at its tenth session (5 to 9 February 2024), agreed that the above-mentioned continuous output could be utilized to develop training provisions for seafarers on ships using alternative fuels. MSC 108 (15 to 24 May 2024) endorsed the agreement by the HTW Sub-Committee.

4 MSC 110 (18 to 27 June 2025) approved the *Generic interim guidelines on training for seafarers on ships using alternative fuels and new technologies* (the Generic Interim Guidelines), prepared by the HTW Sub-Committee, at its eleventh session (10 to 14 February 2025), as set out in the annex. MSC also agreed to keep these Guidelines under review, taking into account operational experience gained with their application.

5 Member States are invited to bring the Generic Interim Guidelines to the attention of all concerned.

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## ANNEX

### GENERIC INTERIM GUIDELINES ON TRAINING FOR SEAFARERS ON SHIPS USING ALTERNATIVE FUELS AND NEW TECHNOLOGIES

#### 1 INTRODUCTION

1.1 The purpose of these *Generic interim guidelines on training for seafarers on ships using alternative fuels and new technologies* (the Generic Interim Guidelines) is to provide a reference for the development and approval of training for seafarers on ships using alternative fuels and new technologies to support the reduction of greenhouse gas emissions from international shipping.

##### Application

1.2 Unless expressly provided otherwise, the Generic Interim Guidelines apply to seafarers on ships using alternative fuels and new technologies.

1.3 Where specific provisions of this document differ from the requirements of mandatory instruments applicable to seafarers on ships using alternative fuels and new technologies (including the International Code of Safety for Ships Using Gases or Other Low-flashpoint Fuels (IGF Code), the International Code of the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code), and the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978 and Seafarers' Training, Certification and Watchkeeping Code (1978 STCW Convention and Code)), the provisions of those mandatory instruments should take precedence.

##### Goal

1.4 The goal of the Generic Interim Guidelines is to provide an international standard for the development and approval of training of seafarers serving on ships using alternative fuels and new technologies.

##### General provisions for training and familiarization

1.5 All seafarers serving on board ships using alternative fuels and new technologies should, prior to being assigned shipboard duties, be familiarized with their specific duties and with all ship arrangements, installations, equipment, procedures and ship characteristics that are relevant to their routine or emergency duties, as specified in STCW regulation I/14.5.

1.6 In addition, seafarers should receive appropriate training on the associated risks and emergency procedures in relation to using alternative fuels and new technologies, in accordance with their duties and responsibilities.

1.7 On that basis, the following training approach comprising basic and advanced training levels may be applied:

- .1 basic training for seafarers responsible for designated safety duties associated with the care, use or in emergency response to the fuel and systems on board ships using alternative fuels and new technologies; and
- .2 advanced training for the masters, engineer officers and all personnel with immediate responsibility for the care and use of fuel and systems on board ships using alternative fuels and new technologies.

1.8 For new technologies, alternative training approaches may be applied, taking into consideration the training requirements and standards of competence contained in the Generic Interim Guidelines and other guidelines approved by the Organization concerning new technologies, as relevant, and to the satisfaction of the Administration.

## **2 TRAINING REQUIREMENTS**

### **General**

2.1 Prior to being assigned duties on board a ship using alternative fuels and new technologies, all seafarers should receive appropriate training in accordance with this section.

2.2 The Administration may, in respect of ships of less than 500 gross tonnage, except for passenger ships, if it considers that a ship's size and the length or character of its voyage are such as to render the application of the full provisions of this section unreasonable or impracticable, exempt the seafarers on such a ship or class of ships from some of the provisions, bearing in mind the safety of people on board, the ship and property and the protection of the marine environment.

2.3 Seafarers responsible for designated safety duties associated with the care, use or in emergency response to the fuel and/or system on board ships using alternative fuels and new technologies should receive basic training or instruction in accordance with paragraphs 3.1 and 3.2 and should meet the standard of competence specified therein.

2.4 Masters, engineer officers and all personnel with immediate responsibility for the care and use of fuels and/or systems on ships using alternative fuels and new technologies should receive advanced training in accordance with paragraph 3.3 and should meet the standard of competence specified therein.

2.5 Basic and advanced training should be given by qualified personnel experienced in the handling and characteristics of the fuels and/or systems used and the safety procedures involved.

2.6 It is important to emphasize the need to take account of risk analyses. All risk analyses carried out should be made available to participants during training.

## **3 STANDARDS OF COMPETENCE**

### **Standard of competence for basic training**

3.1 Seafarers responsible for designated safety duties associated with the care, use or in emergency response to the use of the fuels and/or systems on board ships using alternative fuels and new technologies should, before being assigned to shipboard duties:

- .1 receive basic training or instruction as determined by the Administration on the use of the fuels and/or systems so as to:
  - .1 contribute to the safe operation of a ship;
  - .2 take precautions to prevent hazards on a ship;
  - .3 apply occupational health and safety precautions and measures;
  - .4 carry out fire-fighting operations on a ship;

- .5 respond to emergencies; and
- .6 take precautions to prevent pollution of the environment from ships;  
and
- .2 be required to provide evidence of having achieved the standard of competence provided to undertake their duties and responsibilities through:
  - .1 demonstration of competence in accordance with the methods and criteria for evaluating competence determined by the Administration; and
  - .2 examination or continuous assessment as part of a training programme determined by the Administration.

3.2 Documentary evidence should be issued by the Administration indicating that the holder has completed the basic training.

### **Standard of competence for advanced training**

3.3 Masters, engineer officers and all personnel with immediate responsibility for the care and use of the fuels and/or systems on board ships using alternative fuels and new technologies should, before being assigned to shipboard duties:

- .1 receive advanced training as determined by the Administration on the use of the fuels and/or systems so as to:
  - .1 be familiar with physical and chemical properties of the fuels and/or characteristics of the systems aboard ships;
  - .2 operate controls of the fuels and/or systems related to propulsion plant and engineering systems and services and safety devices on ships;
  - .3 be able to safely perform and monitor all operations related to the fuels and/or systems used on board ships;
  - .4 plan and monitor safe bunkering, stowage and securing of the fuels on board ships;
  - .5 take precautions to prevent pollution of the environment from ships;
  - .6 monitor and control compliance with legislative requirements;
  - .7 take precautions to prevent hazards;
  - .8 apply occupational health and safety precautions and measures on board ships; and
  - .9 have knowledge of the prevention, control and fire-fighting and extinguishing systems on board ships;



- .2 be required to provide evidence of having achieved the standard of competence provided to undertake their duties and responsibilities through:
  - .1 demonstration of competence in accordance with the methods and criteria for evaluating competence determined by the Administration; and
  - .2 examination or continuous assessment as part of a training programme determined by the Administration; and
- .3 be issued with documentary evidence by the Administration indicating that the holder has completed the advanced training.

#### **4 EMERGENCY EXERCISES**

4.1 Emergency exercises related to the fuels and/or systems on board ships using alternative fuels and new technologies should be conducted at regular intervals. The response and safety system for hazard and accident control should be reviewed and tested.

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