

لتعديل الاتفاقية الدولية لمنع التلوث من السفن لعام 1973 ،  
في صيغتها المعدلة بروتوكول عام 1978 المتعلق بها

تعديلات على المرفق VI لاتفاقية ماربول

(نظام جمع البيانات عن مدى استهلاك السفن للوقود)

القرار MEPC.278(70)

《经1978年议定书修订的〈1973年国际防止船舶造成污染公约〉》  
的1997年议定书附则的2016年修正案

防污公约附则VI修正案

(船舶燃油消耗数据收集系统)

第MEPC.278(70)号决议

2016 AMENDMENTS TO THE ANNEX OF THE PROTOCOL OF 1997 TO AMEND THE INTERNATIONAL  
CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS, 1973, AS MODIFIED  
BY THE PROTOCOL OF 1978 RELATING THERETO

Amendments to MARPOL Annex VI

(Data collection system for fuel oil consumption of ships)

RESOLUTION MEPC. 278(70)

AMENDEMENTS DE 2016 À L'ANNEXE AU PROTOCOLE DE 1997 MODIFIANT LA CONVENTION  
INTERNATIONALE DE 1973 POUR LA PRÉVENTION DE LA POLLUTION PAR LES NAVIRES,  
TELLE QUE MODIFIÉE PAR LE PROTOCOLE DE 1978 Y RELATIF

Amendements à l'Annexe VI de MARPOL

(Système de collecte des données relatives à la consommation de fuel-oil des navires)

RÉSOLUTION MEPC.278(70)

ПОПРАВКИ 2016 ГОДА К ПРИЛОЖЕНИЮ К ПРОТОКОЛУ 1997 ГОДА ОБ ИЗМЕНЕНИИ  
МЕЖДУНАРОДНОЙ КОНВЕНЦИИ ПО ПРЕДОТВРАЩЕНИЮ ЗАГРЯЗНЕНИЯ  
С СУДОВ 1973 ГОДА, ИЗМЕНЕННОЙ ПРОТОКОЛОМ 1978 ГОДА К НЕЙ

Поправки к Приложению VI к Конвенции МАРПОЛ

(Система сбора данных по расходу жидкого топлива судами)

РЕЗОЛЮЦИЯ MEPC. 278(70)

ENMIENDAS DE 2016 AL ANEXO DEL PROTOCOLO DE 1997 QUE ENMIENDA EL CONVENIO  
INTERNACIONAL PARA PREVENIR LA CONTAMINACIÓN POR LOS BUQUES, 1973,  
MODIFICADO POR EL PROTOCOLO DE 1978

Enmiendas al Anexo VI del Convenio MARPOL

(Sistema de recopilación de datos sobre el consumo de fueloil de los buques)

RESOLUCIÓN MEPC.278(70)

**RESOLUTION MEPC.278(70)**  
**(Adopted on 28 October 2016)**

**AMENDMENTS TO THE ANNEX OF THE PROTOCOL OF 1997 TO AMEND THE  
INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS,  
1973, AS MODIFIED BY THE PROTOCOL OF 1978 RELATING THERETO**

**Amendments to MARPOL Annex VI**

**(Data collection system for fuel oil consumption of ships)**

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the functions of the Marine Environment Protection Committee conferred upon it by international conventions for the prevention and control of marine pollution from ships,

NOTING article 16 of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocols of 1978 and 1997 relating thereto (MARPOL), which specifies the amendment procedure and confers upon the appropriate body of the Organization the function of considering and adopting amendments thereto,

HAVING CONSIDERED, at its seventieth session, proposed amendments to MARPOL Annex VI concerning the data collection system for fuel oil consumption,

1 ADOPTS, in accordance with article 16(2)(d) of MARPOL, amendments to MARPOL Annex VI, the text of which is set out in the annex to the present resolution;

2 DETERMINES, in accordance with article 16(2)(f)(iii) of MARPOL, that the amendments shall be deemed to have been accepted on 1 September 2017 unless prior to that date, not less than one third of the Parties or Parties the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have communicated to the Organization their objection to the amendments;

3 INVITES the Parties to note that, in accordance with article 16(2)(g)(ii) of MARPOL, the said amendments shall enter into force on 1 March 2018 upon their acceptance in accordance with paragraph 2 above;

4 INVITES FURTHER the Parties to consider the application of the aforesaid amendments to Annex VI of MARPOL as soon as possible to ships entitled to fly their flag;

5 ENCOURAGES the Organization to establish as soon as possible the IMO Ship Fuel Oil Consumption Database;

6 REQUESTS the Secretary-General, for the purposes of article 16(2)(e) of MARPOL, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Parties to MARPOL;

7 REQUESTS FURTHER the Secretary-General to transmit copies of the present resolution and its annex to Members of the Organization which are not Parties to MARPOL.

ANNEX

**AMENDMENTS TO MARPOL ANNEX VI**

**(Data collection system for fuel oil consumption of ships)**

**ANNEX VI**

**REGULATIONS FOR THE PREVENTION OF AIR POLLUTION FROM SHIPS**

**Regulation 1  
Application**

1 The reference to "regulations 3, 5, 6, 13, 15, 16, 18, 19, 20, 21 and 22" is replaced with "regulations 3, 5, 6, 13, 15, 16, 18, 19, 20, 21, 22 and 22A".

**Regulation 2  
Definitions**

2 After existing paragraph 47, new paragraphs 48, 49 and 50 are added as follows:

"48 *Calendar year* means the period from 1 January until 31 December inclusive.

49 *Company* means the owner of the ship or any other organization or person such as the manager, or the bareboat charterer, who has assumed the responsibility for operation of the ship from the owner of the ship and who on assuming such responsibility has agreed to take over all the duties and responsibilities imposed by the *International Management Code for the Safe Operation of Ships and for Pollution Prevention*, as amended.

50 *Distance travelled* means distance travelled over ground."

**Regulation 3  
Exceptions and exemptions**

3 In the chapeau of paragraph 2, between existing sentences 2 and 3, a new sentence is added as follows:

"A permit issued under this regulation shall not exempt a ship from the reporting requirement under regulation 22A and shall not alter the type and scope of data required to be reported under regulation 22A."

**Regulation 5  
Surveys**

4 At the end of paragraph 4.3, after the words "on board", new text is added as follows:

"and for a ship to which regulation 22A applies, has been revised appropriately to reflect a major conversion in those cases where the major conversion affects data collection methodology and/or reporting processes"

and the word "and" following the semicolon at the end of the paragraph is deleted.

5 In paragraph 4.4, the full stop at the end of the paragraph is replaced by "; and".

6 After the existing paragraph 4.4, a new paragraph 4.5 is added as follows:

"5 The Administration shall ensure that for each ship to which regulation 22A applies, the SEEMP complies with regulation 22.2 of this Annex. This shall be done prior to collecting data under regulation 22A of this Annex in order to ensure the methodology and processes are in place prior to the beginning of the ship's first reporting period. Confirmation of compliance shall be provided to and retained on board the ship."

#### **Regulation 6**

#### **Issue or endorsement of Certificates and Statements of Compliance related to fuel oil consumption reporting**

7 In the title of regulation 6, the words "and Statements of Compliance related to fuel oil consumption reporting" are inserted following the word "Certificates".

8 After existing paragraph 5, new paragraphs 6 and 7 are added as follows:

#### **"Statement of Compliance – Fuel Oil Consumption Reporting**

6 Upon receipt of reported data pursuant to regulation 22A.3 of this Annex, the Administration or any organization duly authorized by it shall determine whether the data has been reported in accordance with regulation 22A of this Annex and, if so, issue a Statement of Compliance related to fuel oil consumption to the ship no later than five months from the beginning of the calendar year. In every case, the Administration assumes full responsibility for this Statement of Compliance.

7 Upon receipt of reported data pursuant to regulations 22A.4, 22A.5 or 22A.6 of this Annex, the Administration or any organization duly authorized by it shall promptly determine whether the data has been reported in accordance with regulation 22A and, if so, issue a Statement of Compliance related to fuel oil consumption to the ship at that time. In every case, the Administration assumes full responsibility for this Statement of Compliance."

#### **Regulation 8**

#### **Form of Certificates and Statements of Compliance related to fuel oil consumption reporting**

9 In the title of regulation 8, the words "and Statements of Compliance related to fuel oil consumption reporting" are inserted following the word "Certificates".

10 After existing paragraph 2, a new paragraph 3 is added as follows:

#### **"Statement of Compliance – Fuel Oil Consumption Reporting**

3 The Statement of Compliance pursuant to regulations 6.6 and 6.7 of this Annex shall be drawn up in a form corresponding to the model given in appendix X to this Annex and shall be at least in English, French, or Spanish. If an official language of the issuing Party is also used, this shall prevail in case of a dispute or discrepancy."

## **Regulation 9**

### **Duration and validity of Certificates and Statements of Compliance related to fuel oil consumption reporting**

11 In the title of regulation 9, the words "and Statements of Compliance related to fuel oil consumption reporting" are inserted following the word "Certificates".

12 After existing paragraph 11, a new paragraph 12 is added as follows:

#### **"Statement of Compliance – Fuel Oil Consumption Reporting**

12 The Statement of Compliance pursuant to regulation 6.6 of this Annex shall be valid for the calendar year in which it is issued and for the first five months of the following calendar year. The Statement of Compliance pursuant to regulation 6.7 of this Annex shall be valid for the calendar year in which it is issued, for the following calendar year, and for the first five months of the subsequent calendar year. All Statements of Compliance shall be kept on board for at least the period of their validity."

## **Regulation 10**

### **Port State control on operational requirements**

13 In paragraph 5, the words "Statement of Compliance related to fuel oil consumption reporting and" are inserted before the words "International Energy Efficiency Certificate".

## **Regulation 22**

### **Ship Energy Efficiency Management Plan (SEEMP)**

14 After existing paragraph 1, a new paragraph 2 is inserted as follows and the existing paragraph 2 is renumbered as paragraph 3:

"2 On or before 31 December 2018, in the case of a ship of 5,000 gross tonnage and above, the SEEMP shall include a description of the methodology that will be used to collect the data required by regulation 22A.1 of this Annex and the processes that will be used to report the data to the ship's Administration."

15 After existing regulation 22, a new 22A is inserted as follows:

#### **"Regulation 22A**

##### **Collection and reporting of ship fuel oil consumption data**

1 From calendar year 2019, each ship of 5,000 gross tonnage and above shall collect the data specified in appendix IX to this Annex, for that and each subsequent calendar year or portion thereof, as appropriate, according to the methodology included in the SEEMP.

2 Except as provided for in paragraphs 4, 5 and 6 of this regulation, at the end of each calendar year, the ship shall aggregate the data collected in that calendar year or portion thereof, as appropriate.

3 Except as provided for in paragraphs 4, 5 and 6 of this regulation, within three months after the end of each calendar year, the ship shall report to its Administration or any organization duly authorized by it, the aggregated value for each datum specified in appendix IX to this Annex, via electronic communication and using a standardized format to be developed by the Organization.

4 In the event of the transfer of a ship from one Administration to another, the ship shall on the day of completion of the transfer or as close as practical thereto report to the losing Administration or any organization duly authorized by it, the aggregated data for the period of the calendar year corresponding to that Administration, as specified in appendix IX to this Annex and, upon prior request of that Administration, the disaggregated data.

5 In the event of a change from one Company to another, the ship shall on the day of completion of the change or as close as practical thereto report to its Administration or any organization duly authorized by it, the aggregated data for the portion of the calendar year corresponding to the Company, as specified in appendix IX to this Annex and, upon request of its Administration, the disaggregated data.

6 In the event of change from one Administration to another and from one Company to another concurrently, paragraph 4 of this regulation shall apply.

7 The data shall be verified according to procedures established by the Administration, taking into account guidelines to be developed by the Organization.

8 Except as provided for in paragraphs 4, 5 and 6 of this regulation, the disaggregated data that underlies the reported data noted in appendix IX to this Annex for the previous calendar year shall be readily accessible for a period of not less than 12 months from the end of that calendar year and be made available to the Administration upon request.

9 The Administration shall ensure that the reported data noted in appendix IX to this Annex by its registered ships of 5,000 gross tonnage and above are transferred to the IMO Ship Fuel Oil Consumption Database via electronic communication and using a standardized format to be developed by the Organization not later than one month after issuing the Statements of Compliance of these ships.

10 On the basis of the reported data submitted to the IMO Ship Fuel Oil Consumption Database, the Secretary-General of the Organization shall produce an annual report to the Marine Environment Protection Committee summarizing the data collected, the status of missing data, and such other relevant information as may be requested by the Committee.

11 The Secretary-General of the Organization shall maintain an anonymized database such that identification of a specific ship will not be possible. Parties shall have access to the anonymized data strictly for their analysis and consideration.

12 The IMO Ship Fuel Oil Consumption Database shall be undertaken and managed by the Secretary-General of the Organization, pursuant to guidelines to be developed by the Organization."

16 After existing appendix VIII, new appendices IX and X are inserted as follows:

**"Appendix IX**

**Information to be submitted to the IMO Ship Fuel Oil Consumption Database**

Identity of the ship  
IMO number

Period of calendar year for which the data is submitted  
Start date (dd/mm/yyyy)  
End date (dd/mm/yyyy)

Technical characteristics of the ship

Ship type, as defined in regulation 2 of this Annex or other (to be stated)

Gross tonnage (GT)

Net tonnage (NT)

Deadweight tonnage (DWT)

Power output (rated power) of main and auxiliary reciprocating internal combustion engines over 130 kW (to be stated in kW)

EEDI (if applicable)

Ice class

Fuel oil consumption, by fuel oil type in metric tonnes and methods used for collecting fuel oil consumption data

Distance travelled

Hours underway

**Appendix X**

**Form of Statement of Compliance – Fuel Oil Consumption Reporting**

**STATEMENT OF COMPLIANCE – FUEL OIL CONSUMPTION REPORTING**

Issued under the provisions of the Protocol of 1997, as amended, to amend the International Convention for the Prevention of Pollution by Ships, 1973, as modified by the Protocol of 1978 related thereto (hereinafter referred to as "the Convention") under the authority of the Government of:

.....  
*(full designation of the Party)*

by .....  
*(full designation of the competent person or organization authorized under the provisions of the Convention)*

**Particulars of ship**

Name of ship .....

Distinctive number or letters. ....

IMO Number .....

Port of registry .....

Gross tonnage. ....

**THIS IS TO DECLARE:**

1. That the ship has submitted to this Administration the data required by regulation 22A of Annex VI of the Convention, covering ship operations from (dd/mm/yyyy) through (dd/mm/yyyy); and
2. The data was collected and reported in accordance with the methodology and processes set out in the ship's SEEMP that was in effect over the period from (dd/mm/yyyy) through (dd/mm/yyyy).

This Statement of Compliance is valid until (dd/mm/yyyy) .....

Issued at: .....  
*(place of issue of Statement)*

Date (dd/mm/yyyy) .....  
*(date of issue)*

*(signature of duly authorized official  
issuing the Statement)*

*(seal or stamp of the authority, as appropriate) "*



نسخة صادقة مصدقة من نصّ التعديلات على مرفق بروتوكول عام 1997 لتعديل الاتفاقية الدولية لمنع التلوث من السفن لعام 1973 ، في صيغتها المعدلة ببروتوكول عام 1978 المتعلق بها (اتفاقية ماربول) ، الذي اعتمده لجنة حماية البيئة البحرية التابعة للمنظمة البحرية الدولية في دورتها السبعين ، في 28 تشرين الأول/أكتوبر 2016 ، بموجب المادة 16(2)(د) من اتفاقية ماربول ، على النحو الوارد في مرفق القرار (MEPC.278(70) ، وقد أودع النصّ الأصلي لدى الأمين العام للمنظمة البحرية الدولية .

此件系国际海事组织海上环境保护委员会于公元二零一六年十月二十八日在其第七十届会议上按防污公约第 16(2)(d)条通过并载于第 MEPC.278(70)号决议附件中的《经 1978 年议定书修订的〈1973 年国际防止船舶造成污染公约〉》的 1997 年议定书附则修正案文本的核正无误副本，其原件由国际海事组织秘书长保存。

CERTIFIED TRUE COPY of the text of the amendments to the Annex of the Protocol of 1997 to amend the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL), adopted on 28 October 2016 by the Marine Environment Protection Committee of the International Maritime Organization at its seventieth session, in accordance with article 16(2)(d) of MARPOL and set out in the annex to resolution MEPC. 278(70), the original of which is deposited with the Secretary-General of the International Maritime Organization.

COPIE CERTIFIÉE CONFORME du texte des amendements à l'Annexe au Protocole de 1997 modifiant la Convention internationale de 1973 pour la prévention de la pollution par les navires, telle que modifiée par le Protocole de 1978 y relatif (MARPOL), adoptés le 28 octobre 2016 par le Comité de la protection du milieu marin de l'Organisation maritime internationale à sa soixante-dixième session, conformément à l'article 16 2) d) de MARPOL, lequel figure à l'annexe de la résolution MEPC.278(70) et dont l'original est déposé auprès du Secrétaire général de l'Organisation maritime internationale.

ЗАВЕРЕННАЯ КОПИЯ текста поправок к Приложению к Протоколу 1997 года об изменении Международной конвенции по предотвращению загрязнения с судов 1973 года, измененной Протоколом 1978 года к ней (Конвенция МАРПОЛ), одобренных 28 октября 2016 года Комитетом по защите морской среды Международной морской организации на его семидесятой сессии в соответствии со статьей 16 2) d) Конвенции МАРПОЛ и изложенных в приложении к резолюции MEPC.278(70), подлинник которых сдан на хранение Генеральному секретарю Международной морской организации.

COPIA AUTÉNTICA CERTIFICADA del texto de las enmiendas al Anexo del Protocolo de 1997 que enmienda el Convenio internacional para prevenir la contaminación por los buques, 1973, modificado por el Protocolo de 1978 (Convenio MARPOL), adoptadas el 28 de octubre de 2016 por el Comité de protección del medio marino de la Organización Marítima Internacional en su 70º periodo de sesiones, de conformidad con lo dispuesto en el artículo 16 2) d) del Convenio MARPOL, y que figuran en el anexo de la resolución MEPC.278(70) del Comité, cuyo texto original se ha depositado ante el Secretario General de la Organización Marítima Internacional.

عن الأمين العام للمنظمة البحرية الدولية :

国际海事组织秘书长代表:

For the Secretary-General of the International Maritime Organization:

Pour le Secrétaire général de l'Organisation maritime internationale :

За Генерального секретаря Международной морской организации:

Por el Secretario General de la Organización Marítima Internacional:



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于伦敦，

London,

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Лондон,

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27 JUN 2017