MARPOL
Consolidated Edition 2022

International Convention for the Prevention of Pollution from Ships, 1973, as modified by the 1978 and 1997 Protocols

Supplement

August 2025

The following amendments to MARPOL Consolidated Edition 2022 were adopted by the Marine Environment Protection Committee (MEPC) at its eighty-first session. This supplement includes the amendments that will enter into force before the next consolidated edition is published.

Resolution	Amends	Date of entry into force	Page
MEPC.385(81)	**Annex VI** **Chapter 1** **Regulation 2** Definitions **Chapter 3** **Regulation 13** Nitrogen oxides (NO_x) **Regulation 14** Sulphur oxides (SO_x) and particulate matter **Regulation 18** Fuel oil availability and quality **Chapter 4** **Regulation 27** Collection and reporting of ship fuel oil consumption data **Appendix I** Form of International Air Pollution Prevention (IAPP) Certificate (regulation 8) **Appendix IX** Information to be submitted to the IMO Ship Fuel Oil Consumption Database (regulation 27)	1 August 2025	2

Resolution MEPC.385(81)
adopted on 22 March 2024

MARPOL Annex VI
Regulations for the prevention of air pollution from ships

Chapter 1 – General

Regulation 2
Definitions

1 *In paragraph 1.14, the existing text of the paragraph is replaced by the following:*

"**.14** *Fuel oil* means any fuel delivered to and intended for use on board a ship."

2 *Insert a new paragraph 1.33 after existing paragraph 1.32, as follows:*

"**.33** *Gas fuel* means a fuel oil with a vapour pressure exceeding 0.28 MPa absolute at a temperature of 37.8°C.[*]

[*] Refer to paragraph 2.2.18 of the *International Code of Safety for Ships using Gases or other Low-flashpoint Fuels* (IGF Code)."

Chapter 3 – Requirements for control of emissions from ships

Regulation 13
Nitrogen oxides (NO_x)

Major conversion

3 *The existing text of paragraph 2.2 is replaced by the following:*

"**2.2** For a major conversion involving the replacement of a marine diesel engine with a non-identical marine diesel engine, or the installation of an additional marine diesel engine, the standards in this regulation at the time of the replacement or addition of the engine shall apply. For the purpose of this regulation, the installation of a marine diesel engine replacing a steam system shall be considered a replacement engine. In the case of replacement engines only, if it is not possible for such a replacement engine to meet the standards set forth in paragraph 5.1.1 of this regulation (Tier III, as applicable), then that replacement engine shall meet the standards set forth in paragraph 4 of this regulation (Tier II), taking into account the guidelines developed by the Organization[*]. The Administration shall notify the Organization in those instances where a Tier II rather than a Tier III replacement engine has been installed on or after 1 August 2025 in accordance with the provisions of this paragraph.

[*] Refer to the *2024 Guidelines as required by regulation 13.2.2 of MARPOL Annex VI in respect of non-identical replacement engines not required to meet the Tier III limit* (resolution MEPC.386(81))."

Regulation 14
Sulphur oxides (SO_x) and particulate matter

In-use fuel oil sampling point

4 *The existing text of paragraph 12 is replaced by the following:*

"**12** The requirements of paragraphs 10 and 11 above are not applicable to a fuel oil service system used for a low-flashpoint fuel or a gas fuel."

Regulation 18
Fuel oil availability and quality

Fuel oil availability

5 *The existing chapeau of paragraph 3 is replaced by the following:*

"**3** Fuel oil delivered to and used on board a ship to which this Annex applies shall meet the following requirements:"

6 *The existing chapeau of paragraph 3.2 is replaced by the following:*

"**.2** fuel oil derived by methods other than petroleum refining shall not:"

7 *The existing text of paragraph 4 is replaced by the following:*

"**4** This regulation does not apply to coal in its solid form or nuclear fuels. Paragraphs 5.1, 8.1 and 8.2 of this regulation do not apply to a low-flashpoint fuel or a gas fuel."

8 *The existing text of paragraph 5 is replaced by the following new paragraphs 5.1 and 5.2, as follows:*

"**5.1** For each ship subject to regulations 5 and 6 of this Annex, details of fuel oil delivered to and used on board that ship shall be recorded by means of a bunker delivery note that shall contain at least the information specified in appendix V to this Annex.

5.2 For each ship subject to regulations 5 and 6 of this Annex, details of low-flashpoint fuel or gas fuel delivered to and used on board that ship shall be recorded by means of a bunker delivery note that shall include at least the information specified in items 1 to 6 of appendix V to this Annex, the density as determined by a test method appropriate to the fuel type together with the associated temperature and a declaration signed and certified by the fuel oil supplier's representative that the fuel oil is in conformity with paragraph 3 of this regulation. In addition the sulphur content of a low-flashpoint fuel or a gas fuel delivered to a ship specifically for use on board that ship shall be documented on the bunker delivery note by the supplier in terms of either the actual value as determined by a test method appropriate to the fuel type or, with the agreement of the appropriate authority at the port of supply, a statement that the sulphur content, when tested by such a method, is less than 0.001% m/m."

9 *The existing text of paragraph 9.2 is replaced by the following:*

"**.2** require local suppliers to provide the bunker delivery note and, if applicable, the MARPOL delivered sample as required by this regulation, certified by the fuel oil supplier that the fuel oil meets the requirements of regulations 14 and 18 of this Annex;"

Chapter 4 – Regulations on the carbon intensity of international shipping

Regulation 27
Collection and reporting of ship fuel oil consumption data

10 *New paragraphs 14 and 15 are added after existing paragraph 13, as follows:*

"**14** On an ad hoc basis, the Secretary-General of the Organization may share data with analytical consultancies and research entities, under strict confidentiality rules.

15 The Secretary-General of the Organization, on the request of a company, shall grant access to the fuel oil consumption reports of the company's owned ship(s) in a non-anonymized form to the general public."

Appendices to Annex VI

Appendix I

Form of International Air Pollution Prevention (IAPP) Certificate (regulation 8)

INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

11 *The existing text of paragraph 2.3.5 is replaced by the following:*

"In accordance with regulation 14.12, the requirement for fitting or designating sampling point(s) in accordance with regulation 14.10 or 14.11 is not applicable for a fuel oil service system used for a low-flashpoint fuel or a gas fuel . . . . . ☐"

Appendix IX

Information to be submitted to the IMO Ship Fuel Oil Consumption Database (regulation 27)

12 *The existing text of Appendix IX is replaced by the following:*

"Appendix IX

Information to be submitted to the IMO Ship Fuel Oil Consumption Database (regulation 27)

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

Year of delivery _____

Ship type, as defined in regulation 2.2 of this Annex or other *(to be stated)* _____

Gross tonnage (GT)[1] _____

Net tonnage (NT)[2] _____

Deadweight tonnage (DWT)[3] _____

Power output (rated power)[4] of main and auxiliary reciprocating internal combustion engines over 130 kW *(to be stated in kW)* _____

Attained EEDI[5] *(if applicable)* _____

Attained EEXI[6] *(if applicable)*

Ice class[7] _____

Fuel oil consumption data

Total fuel oil consumption by fuel oil type[5] in metric tonnes and methods used for collecting fuel oil consumption data: _____

Total fuel oil consumption by fuel oil type[5] per consumer type in metric tonnes and methods used for collecting fuel oil consumption data:

Main engine(s) _____

Auxiliary engine(s)/generator(s) _____

Oil-fired boiler(s) _____

Others (*specify*) _____

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[1] Gross tonnage should be calculated in accordance with the *International Convention on Tonnage Measurement of Ships, 1969*.

[2] Net tonnage should be calculated in accordance with the *International Convention on Tonnage Measurement of Ships, 1969.* If not applicable, note "N/A".

[3] DWT means the difference in tonnes between the displacement of a ship in water of relative density of 1,025 kg/m^3 at the summer load draught and the lightweight of the ship. The summer load draught should be taken as the maximum summer draught as certified in the stability booklet approved by the Administration or an organization authorized by it. If not applicable, note "N/A".

[4] Rated power means the maximum continuous rated power as specified on the nameplate of the engine.

[5] Refer to the *2022 Guidelines on the method of calculation of the attained Energy Efficiency Design Index (EEDI) for new ships* (resolution MEPC.364(79)).

[6] Refer to the *2022 Guidelines on the method of calculation of the attained Energy Efficiency Existing Ship Index (EEXI)* (resolution MEPC.350(78)).

[7] Ice class should be consistent with the definition set out in the *International Code for Ships Operating in Polar Waters* (Polar Code) (resolutions MEPC.264(68) and MSC.385(94)). If not applicable, note "N/A".

Fuel oil consumption while the ship is not under way by fuel oil type[8] per consumer type in metric tonnes and methods used for collecting fuel oil consumption data:

Main engine(s) _____

Auxiliary engine(s)/generator(s) _____

Oil-fired boiler(s) _____

Others (*specify*) _____

Total distance travelled (nm) _____

Laden distance travelled (nm) (*on a voluntary basis*) _____

Hours under way _____

Total amount of onshore power supplied (kWh) _____

For ships to which regulation 28 of MARPOL Annex VI applies

Total transport work _____

Applicable CII[9]: ☐ AER ☐ cgDIST

Required annual operational CII[10] _____

Attained annual operational CII before any correction[11] _____

Attained annual operational CII[12] _____

Installation of innovative technology[13], if applicable: ☐ A ☐ B-1 ☐ B-2 ☐ C-1 ☐ C-2

Operational carbon intensity rating[14]: ☐ A ☐ B ☐ C ☐ D ☐ E

CII for trial purpose (*on voluntary basis*)[9]

☐ EEPI (gCO_2/t·nm)_____

☐ cbDIST (gCO_2/berth·nm) _____

☐ clDIST (gCO_2/m·nm)_____

☐ EEOI (gCO_2/t·nm)[15] _____ ″

[8] Refer to the *2022 Guidelines on the method of calculation of the attained Energy Efficiency Design Index (EEDI) for new ships* (resolution MEPC.364(79)).

[9] Refer to the *2022 Guidelines on operational carbon intensity indicators and the calculation methods (CII guidelines, G1)* (resolution MEPC.352(78)).

[10] Refer to the *2022 Guidelines on the reference lines for use with operational carbon intensity indicators (CII reference lines guidelines, G2) (resolution MEPC.353(78))* and *2021 Guidelines on the operational carbon intensity reduction factors relative to reference lines (CII reduction factors guidelines, G3)* (resolution MEPC.338(76)).

[11] As calculated in accordance with the *2022 Guidelines on operational carbon intensity indicators and the calculation methods (CII guidelines, G1)* (resolution MEPC.352(78)) before any correction using *Interim guidelines on correction factors and voyage adjustments for CII calculations (G5)* (resolution MEPC.355(78)).

[12] As calculated in accordance with the *2022 Guidelines on operational carbon intensity indicators and the calculation methods (CII guidelines, G1)* (resolution MEPC.352(78)) and having been corrected taking into account *Interim guidelines on correction factors and voyage adjustments for CII calculations (G5)* (resolution MEPC.355(78)).

[13] Refer to the *2021 Guidance on treatment of innovative energy efficiency technologies for calculation and verification of the attained EEDI and EEXI* (MEPC.1/Circ.896).

[14] Refer to the *2022 Guidelines on the operational carbon intensity rating of ships (CII rating guidelines, G4)* (resolution MEPC.354(78)).

[15] Refer to the *Guidelines for voluntary use of the ship energy efficiency operational indicator (EEOI)* (MEPC.1/Circ.684).