

## **RESOLUTION MEPC.258(67)**

**Adopted on 17 October 2014**

### **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**

#### **(Amendments to regulations 2 and 13 and the Supplement to the IAPP Certificate)**

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 ("1973 Convention"), article VI of the Protocol of 1978 relating to the International Convention for the Prevention of Pollution from Ships, 1973 ("1978 Protocol") and article 4 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 ("1997 Protocol"), which together specify the amendment procedure of the 1997 Protocol and confer upon the appropriate body of the Organization the function of considering and adopting amendments to the 1973 Convention, as modified by the 1978 and 1997 Protocols,

NOTING ALSO that, by the 1997 Protocol, Annex VI entitled Regulations for the prevention of air pollution from ships was added to the 1973 Convention,

NOTING FURTHER that the revised Annex VI, which was adopted by [resolution MEPC.176\(58\)](#), entered into force on 1 July 2010,

HAVING CONSIDERED draft amendments to the revised Annex VI concerning engines solely fuelled by gaseous fuels,

1 ADOPTS, in accordance with article 16(2)(d) of the 1973 Convention, amendments to 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 the 1973 Convention, that the amendments shall be deemed to have been accepted on 1 September 2015, 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 the 1973 Convention, said amendments shall enter into force on 1 March 2016 upon their acceptance in accordance with paragraph 2 above;

4 REQUESTS the Secretary-General, in conformity with article 16(2)(e) of the 1973 Convention, to transmit to all Parties to the 1973 Convention, as modified by the 1978 and 1997 Protocols, certified copies of the present resolution and the text of the amendments contained in the annex;

5 REQUESTS FURTHER the Secretary-General to transmit to the Members of the Organization which are not Parties to the 1973 Convention, as modified by the 1978 and 1997 Protocols, copies of the present resolution and its annex.

#### **ANNEX**

#### **AMENDMENTS TO MARPOL ANNEX VI**

#### **(Amendments to regulations 2 and 13 and appendix I)**

#### **MARPOL Annex VI**

#### **Regulations for the prevention of air pollution from ships**

#### **Chapter 1**

#### **General**

#### **Regulation 2**

## Definitions

1 The definition of "fuel oil" in paragraph 9 is replaced by the following definition:

*"Fuel oil* means any fuel delivered to and intended for combustion purposes for propulsion or operation on board a ship, including gas, distillate and residual fuels."

2 The definition of "marine diesel engine" in paragraph 14 is replaced by the following definition:

*"Marine diesel engine* means any reciprocating internal combustion engine operating on liquid or dual fuel, to which regulation 13 of this Annex applies, including booster/compound systems if applied. In addition, a gas fuelled engine installed on a ship constructed on or after 1 March 2016 or a gas fuelled additional or non-identical replacement engine installed on or after that date is also considered as a marine diesel engine."

## Chapter 3

### Requirements for control of emissions from ships

#### Regulation 13

##### *Nitrogen oxides (NOX)*

3 Paragraph 7.3 is replaced by the following paragraph:

"7.3 With regard to a marine diesel engine with a power output of more than 5,000 kW and a per cylinder displacement at or above 90 litres installed on a ship constructed on or after 1 January 1990, but prior to 1 January 2000, the International Air Pollution Prevention Certificate shall, for a marine diesel engine to which paragraph 7.1 of this regulation applies, indicate one of the following:

- .1 an approved method has been applied pursuant to paragraph 7.1.1 of this regulation;
- .2 the engine has been certified pursuant to paragraph 7.1.2 of this regulation;
- .3 an approved method is not yet commercially available as described in paragraph 7.2 of this regulation; or
- .4 an approved method is not applicable."

## Appendix I

### Form of International Air Pollution Prevention (IAPP) Certificate (Regulation 8)

#### ***Supplement to the International Air Pollution Prevention Certificate (IAPP Certificate)***

4 The footnote relating to paragraph 1.4 is replaced by the following footnote:

"\* Completed only in respect of ships constructed on or after 1 January 2016 that are specially designed, and used solely for recreational purposes and to which, in accordance with regulation 13.5.2.1 or regulation 13.5.2.3, the NO<sub>x</sub> emission limit as given by regulation 13.5.1.1 will not apply."

5 Paragraph 2.2.1 is replaced by the following paragraph:

"2.2.1 The following marine diesel engines installed on this ship are in accordance with the requirements of regulation 13, as indicated:

| Applicable regulation of MARPOL Annex VI<br>(NTC = NO <sub>x</sub> Technical Code 2008)<br>(AM = Approved Method) |   | Engine<br>#1                              | Engine<br>#2             | Engine<br>#3             | Engine<br>#4             | Engine<br>#5             | Engine<br>#6             |
|---|---|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1   | Manufacturer and model  |   |                          |                          |                          |                          |                          |
| 2   | Serial number   |   |                          |                          |                          |                          |                          |
| 3   | Use (applicable application cycle(s) – NTC 3.2)                 |   |                          |                          |                          |                          |                          |
| 4   | Rated power (kW) (NTC 1.3.11)                                   |   |                          |                          |                          |                          |                          |
| 5   | Rated speed (RPM) (NTC 1.3.12)                                  |   |                          |                          |                          |                          |                          |
| 6   | Identical engine installed ≥ 1/1/2000 exempted by 13.1.1.2      | <input type="checkbox"/>                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7   | Identical engine installation date (dd/mm/yyyy) as per 13.1.1.2 |   |                          |                          |                          |                          |                          |
| 8a  | Major Conversion<br>(dd/mm/yyyy)                                | 13.2.1.1 & 13.2.2                         |                          |                          |                          |                          |                          |
| 8b  |   | 13.2.1.2 & 13.2.3                         |                          |                          |                          |                          |                          |
| 8c  |   | 13.2.1.3 & 13.2.3                         |                          |                          |                          |                          |                          |
| 9a  | Tier I  | 13.3                                      |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9b  |   | 13.2.2                                    |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9c  |   | 13.2.3.1                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9d  |   | 13.2.3.2                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9e  |   | 13.7.1.2                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10a   | Tier II   | 13.4                                      |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10b   |   | 13.2.2                                    |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10c   |   | 13.2.2 (Tier III not possible)            |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10d   |   | 13.2.3.2                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10e   |   | 13.5.2 (Exemptions)                       |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10f   |   | 13.7.1.2                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11a   | Tier III<br>(ECA-NO <sub>x</sub> only)                          | 13.5.1.1                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11b   |   | 13.2.2                                    |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11c   |   | 13.2.3.2                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11d   |   | 13.7.1.2                                  |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12  | AM*   | installed                                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13  |   | not commercially available at this survey |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14  |   | not applicable                            |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

\* Refer to the 2014 Guidelines on the approved method process (resolution MEPC.243(68))."

6 Paragraph 2.5 is replaced by the following paragraph:

"2.5 Shipboard incineration (regulation 16)

The ship has an incinerator:

.1 installed on or after 1 January 2000 that complies with:

.1 resolution MEPC.76(40), as amended \*

.2 resolution MEPC.244(66)

.2 installed before 1 January 2000 that complies with:

.1 resolution MEPC.59(33), as amended \*\*

.2 resolution MEPC.76(40), as amended \*

\* As amended by resolution MEPC.93(45).

\*\* As amended by resolution MEPC.92(45)."

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