

MARINE ENVIRONMENT PROTECTION  
COMMITTEE  
66th session  
Agenda item 21

MEPC 66/21/Corr.1  
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ENGLISH ONLY

**REPORT OF THE MARINE ENVIRONMENT PROTECTION COMMITTEE  
ON ITS SIXTY-SIXTH SESSION**

**Corrigendum**

**Annex 7, annex**

1 In paragraph 1, the paragraph numbers "44", "45", "46" and "47" are replaced with the numbers "35", "36", "37" and "38", respectively.

**Annex 9**

2 The subtitle of resolution MEPC.248(66) is replaced with the following:

**"(Amendments to MARPOL Annex I on mandatory carriage requirements for a stability instrument)"**

**Annex 9, annex**

**Chapter 4 – Requirements for the cargo area of oil tankers**

3 New paragraphs 2 and 3 are inserted after existing paragraph 1, as follows:

**"Regulation 19 – Double hull and double bottom requirements for oil tanker delivered on or after 6 July 1996**

2 In paragraph 19.2.2, the term "regulation 28.6" is replaced with the term "regulation 28.7".

**Regulation 20 – Double hull and double bottom requirements for oil tanker delivered before 6 July 1996**

3 In paragraphs 20.1.2 and 20.4, the term "paragraph 28.6" is replaced with the term "paragraph 28.7".

4 The existing paragraphs 2, 3 and 4 are renumbered as paragraphs 4, 5 and 6, respectively.

5 In the renumbered paragraph 5, the words "on or" are inserted between the words "renewal survey of the ship" and "after 1 January 2016" in the referenced subparagraph 6.1.

6 In the renumbered paragraph 6, the second sentence of the chapeau of the referenced paragraph 5.7.6 is replaced with the following:

"Stability is verified by one or more of the following means:"

7 A new paragraph 7 is added after renumbered paragraph 6, as follows:

"7 In paragraph 5.8.4, the term "paragraph 28.6" is replaced with the term "paragraph 28.7"."

#### **Annex 10, annex**

8 In paragraph 1, in the referenced subparagraph 2.2.1.2, the words "on or" are inserted between the words "renewal survey of the ship" and "after 1 January 2016".

9 In paragraph 2, in the referenced subparagraph 6.2, the words "one or more of" are inserted between the words "in accordance with" and "the following approved methods".

#### **Annex 11, annex**

10 In paragraph 3, in the referenced subparagraph 2.2.6.1, the words "on or" are inserted between the words "renewal survey of the ship" and "after 1 January 2016".

11 The following sentence is added at the end of paragraph 7:

"In the renumbered paragraphs 8.6.2 and 8.6.3, the referenced paragraph numbers "8.5.1", "8.5.1.2" and "8.5.1.3" are replaced with "8.6.1", "8.6.1.2" and "8.6.1.3", respectively."

12 A new paragraph 10 is added after existing paragraph 9, under the heading "Chapter 15 – Special requirements", as follows:

"10 The following footnote is added at the end of paragraph 15.13.3.2:

"  
\* \_\_\_\_\_  
Refer to the MSC–MEPC circular on Products requiring oxygen dependent inhibitors."

13 The existing paragraphs 10 to 12 are renumbered as paragraphs 11 to 13, respectively.

14 In the renumbered paragraph 13, in the referenced subparagraph 6.2, the words "one or more of" are inserted between the words "in accordance with" and "the following approved methods".

#### **Annex 12**

15 The subtitle "Amendments to MARPOL Annex VI and the NO<sub>x</sub> Technical Code 2008" is deleted.

#### **Annex 12, annex**

16 Paragraphs 9, 10 and 11 are replaced by the following:

## Regulation 20 – Attained Energy Efficiency Design Index (attained EEDI)

"9 Paragraph 1 is replaced with the following:

"1 The attained EEDI shall be calculated for:

- .1 each new ship;
- .2 each new ship which has undergone a major conversion;  
and
- .3 each new or existing ship which has undergone a major conversion, that is so extensive that the ship is regarded by the Administration as a newly constructed ship,

which falls into one or more of the categories in regulations 2.25 to 2.35, 2.38 and 2.39 of this Annex. The attained EEDI shall be specific to each ship and shall indicate the estimated performance of the ship in terms of energy efficiency, and be accompanied by the EEDI technical file that contains the information necessary for the calculation of the attained EEDI and that shows the process of calculation. The attained EEDI shall be verified, based on the EEDI technical file, either by the Administration or by any organization duly authorized by it\*.

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\* Refer to the *Code for Recognized Organizations (RO Code)*, adopted by the MEPC by resolution MEPC.237(65), as may be amended."

## Regulation 21 – Required EEDI

"10 Paragraph 1 is replaced with the following:

"1 For each:

- .1 new ship;
- .2 new ship which has undergone a major conversion; and
- .3 new or existing ship which has undergone a major conversion that is so extensive that the ship is regarded by the Administration as a newly constructed ship,

which falls into one of the categories in regulations 2.25 to 2.31, 2.33 to 2.35, 2.38 and 2.39 and to which this chapter is applicable, the attained EEDI shall be as follows:

$$\text{Attained EEDI} \leq \text{Required EEDI} = (1-X/100) \times \text{reference line value}$$

where X is the reduction factor specified in table 1 for the required EEDI compared to the EEDI reference line.

11 New rows are added to table 1 in paragraph 2 for ro-ro cargo ships (vehicle carrier), LNG carrier, cruise passenger ship having non-conventional propulsion, ro-ro cargo ships and ro-ro passenger ships, and marks \*\* and \*\*\* and their explanations are added, as follows:

Ship Type	Size	Phase 0 1 Jan 2013 – 31 Dec 2014	Phase 1 1 Jan 2015 – 31 Dec 2019	Phase 2 1 Jan 2020 – 31 Dec 2024	Phase 3 1 Jan 2025 and onwards
LNG carrier***	10,000 DWT and above	n/a	10**	20	30
Ro-ro cargo ship (vehicle carrier)***	10,000 DWT and above	n/a	5**	15	30
Ro-ro cargo ship***	2,000 DWT and above	n/a	5**	20	30
	1,000 – 2,000 DWT	n/a	0-5*, **	0-20*	0-30*
Ro-ro passenger ship***	1000 DWT and above	n/a	5**	20	30
	250 – 1,000 DWT	n/a	0-5*, **	0-20*	0-30*
Cruise passenger ship*** having non-conventional propulsion	85,000 GT and above	n/a	5**	20	30
	25,000 – 85,000 GT	n/a	0-5*, **	0-20*	0-30*

\* Reduction factor to be linearly interpolated between the two values dependent upon ship size. The lower value of the reduction factor is to be applied to the smaller ship size.

\*\* Phase 1 commences for those ships on 1 September 2015.

\*\*\* Reduction factor applies to those ships delivered on or after 1 September 2019, as defined in paragraph 43 of regulation 2.

**Note:** n/a means that no required EEDI applies."

## Annex 18

17 For outputs 7.1.2.6, 7.1.2.10, 7.1.2.11 and 7.3.2.2, the target completion year "2014" is replaced with "2015".