



## **Flag State Administration Advisory**

No. 2013 - 02

Series of 2013

**TO : All Shipowners, Shipmanagers, Masters and Officers of Philippine Registered Ships engaged in the overseas trade, Recognized Organizations, Shipbuilders, Ship Designers, Marine Diesel Engine and Equipment Manufacturers, as well as other related maritime entities.**

**SUBJECT : 2013 Entry into Force of MARPOL Annex VI, Chapter 4 – Regulations on Energy Efficiency for Ships**

---

Notice is hereby given that the amendments to Annex VI of the International Convention for the Prevention of Pollution from Ships (MARPOL) introducing the **mandatory measures to reduce emissions of greenhouse gases (GHGs) from international shipping** were adopted by the Marine Environment Protection Committee (MEPC) of the International Maritime Organization (IMO) at its 62<sup>nd</sup> session from 11 to 15 July 2011, and has entered into force on 1 January 2013.

### **1.0 Application**

- 1.1 The new regulations apply to ships of 400 gross tonnage and above engaged in international voyage.
- 1.2 Regulations 20 and 21 of Chapter 4, shall not apply to ships which have diesel-electric propulsion, turbine propulsion or hybrid propulsion systems.
- 1.3 Under Regulation 19, the Administration may waive the requirement for new ships of 400 gross tonnage and above from complying with the Energy Efficiency Design Index (EEDI) requirements. This waiver may not be applied to ships above 400 gross tonnage:
  - .1 for which the building contract is placed on or after 1 January 2017;
  - .2 in the absence of a building contract, the keel of which is laid or which is at a similar stage of construction on or after 1 July 2017;
  - .3 the delivery of which is on or after 1 July 2019; or
  - .4 in cases of the major conversion of a new or existing ship, four (4) years after the date of its entry into force.

The Administration which issues a waiver to that effect, suspends, withdraws or declines the application of the same, shall communicate to the IMO for circulation to the Parties to the present Protocol particulars thereof, for their information.

### **2.0 The Amendments**

The Amendments to Annex VI and inclusion of a new Chapter 4 on “Regulations on Energy Efficiency for Ships” intend to improve energy efficiency for ships through a set of technical performance standards, which would result in reduction of emissions of any

substances that originate from fuel oil and its combustion process, including those already controlled by Annex VI. The new Chapter 4, mandates:

- Compliance to Energy Efficiency Design Index (EEDI) for new ships;
- Development of a Ship Energy Efficient Management Plan (SEEMP) for all ships; and
- Ships to carry an International Energy Efficiency (IEE) Certificate.

Also added are new definitions and the requirements for survey and certification, including the format for the International Energy Efficiency Certificate

### 3.0 The Requirements

3.1 New ships of 400 gross tonnage and above are subject to a survey before being put into service, for compliance with the Energy Efficiency requirements. The EEDI standards will be phased in from 2013 to 2025.

The EEDI regulations will apply to “new ships”, defined as follows:

- A ship which the building contract is placed on or after 1 January 2013; or
- In the absence of a building contract, the keel of which is laid or which is at a similar stage of construction on or after 1 July 2013; or
- The delivery of which is on or after 1 July 2015.

The EEDI regulations requiring an improvement in energy efficiency up to 2025 will initially apply to bulk carriers, gas carriers, tankers, container ships, general cargo ships, refrigerated cargo carriers, and combination dry/liquid bulk carriers.

3.2 All ships covered under this Regulation shall be issued an IEE Certificate and available after the first intermediate or renewal survey, whichever is the first, on or after 1 January 2013. The Certificate shall be issued or endorsed either by the Administration or any organization duly authorized by it<sup>1</sup>.

3.3 Each ship shall develop and keep on board a ship specific SEEMP, a mechanism for operators and/or ship to improve energy efficiency of ship operations, which may form part of the ship’s Safety Management System. The SEEMP for each ship will need to be developed taking into account adopted guidelines by the IMO (see Item 4.0).

For existing ships, the verification of the requirement to have a SEEMP on board shall take place at the first intermediate or renewal survey identified in initial survey, whichever is the first, on or before 1 January 2013.

### 4.0 Specific Guidelines

For specific guidelines, please refer to MARPOL Annex VI and the IMO Circulars and the following MEPC Resolutions that were developed and adopted by the 63<sup>rd</sup> Session of the MEPC of the IMO:

- **Resolution MEPC.212(63)**, *revokes MEPC/Circ. 6811 – 2012 Guidelines on the method of calculation of the attained Energy Efficiency Design Index (EEDI) for new ships;*

---

<sup>1</sup> Refer to the Guidelines for the authorizations of organizations acting on behalf of the Administration, adopted by IMO through Res. A.739(18), as may be amended by the IMO.

- **Resolution MEPC213 (63)**, *revokes MEPC.1/683* – 2012 Guidelines for the development of a Ship Energy Efficiency Management Plan (SEEMP).
- **Resolution MEPC.214(63)**, *revokes MEPC.1/Circ.682* – 2012 Guidelines on Survey and Certification of the Energy Efficiency Design Index (EEDI)
- **Resolution MEPC.215 (63)** – Guidelines for calculation of reference lines for use with the Energy Efficiency Design Index (EEDI)

All Philippine overseas shipping companies and other maritime entities are required to comply with the requirements of the said amendments.

Copies of the IMO Circulars/Resolutions may be downloaded from [www.imo.org](http://www.imo.org).

Any queries relating to this Advisory should be directed to:

MARINA Administrator

Telephone Nos.: 523-9078 and 526-0971

Address: Parkview Plaza, 984 Taft Avenue corner T.M. Kalaw Avenue, Ermita,  
Manila, Philippines

E-mail address: [oadm@marina.gov.ph](mailto:oadm@marina.gov.ph); [miso@marina.gov.ph](mailto:miso@marina.gov.ph)

For compliance and guidance of all concerned.

Issued on 02 April, 2013 at Manila, Philippines.

(Signed) **Atty. NICASIO A. CONTI**  
Officer-in-Charge

Date of Publication: 12 April 2013

Published in Manila Times

Date of Submission to ONAR: 10 May 2013

FSAA-OSO