



REPUBLIC OF CYPRUS
MINISTRY OF
COMMUNICATIONS AND WORKS



DEPARTMENT
OF MERCHANT SHIPPING
LEMESOS

Circular No 66/2012

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To all Registered Owners, Registered Bareboat Charterers
Managers and Representatives of Ships
flying the Cyprus flag and of foreign flags entering into Cyprus ports

Recognized Organizations

Subject: New MARPOL Annex VI – Chapter 4 on Regulations on Energy Efficiency from ships;

- **Energy Efficiency Design Index (EEDI);**
- **Ship Energy Efficiency Management Plan (SEEMP)**

I refer to the above subject and wish to inform you that the IMO Marine Environment Protection Committee (MEPC) at its sixty-second session in July 2011 adopted amendments to MARPOL Annex VI under resolution MEPC.203(62) which added a new chapter 4 to Annex VI on “Regulations on Energy Efficiency for Ships” and makes mandatory the EEDI for new ships, and the SEEMP for all ships.

2. Application

The regulations apply to all ships of 400 gross tonnage and above and will enter into force on 1 January 2013.

3. New Regulations 20&21 of Annex VI - Energy Efficiency Design Index (EEDI)

The EEDI for new ships aims at promoting the use of more energy efficient and thus ships with a lower carbon foot print in relation to similar ships built previously. The EEDI requires a minimum energy efficiency level per capacity mile (e.g. tonne mile) for different ship type and size segments.

From 1 January 2013, following an initial two year phase zero when new ship design will need to meet the reference level for their ship type, the level is to be tightened incrementally every five years, and so the EEDI is expected to stimulate continued innovation and technical development of all the components influencing the fuel efficiency of a ship from its design phase. The EEDI is a non-prescriptive, performance-based mechanism that leaves the choice of technologies to use in a specific ship design to the industry. As long as the required energy efficiency level is attained, ship designers and builders are free to use the most cost-efficient solutions for the ship to comply with the regulations. The EEDI provides a specific figure for an individual ship design, expressed in grams of carbon dioxide (CO₂) per



ship's capacity-mile (the smaller the EEDI the more energy efficient ship design) and is calculated by a formula based on the technical design parameters for a given ship.

3.1 Waiver from the requirements of regulations 20&21 of Annex VI

In accordance with the provisions of regulation 19.4, the Department of Merchant Shipping may waive the requirements for new ships of 400 gross tonnage and above from complying with regulation 20&21(EEDI requirements), with the exception of those ships falling into the categories of regulation 19.5.

Applicants wishing to make use of this option should apply in writing at:

Department of Merchant Shipping –
Marine Environment Protection Section
Fax: +357 25 848 200
e-mail: environment@dms.mcw.gov.cy

4. Ship Energy Efficiency Management Plan (SEEMP) – New Regulation 22 of Annex VI

The Ship Energy Efficiency Management Plan (SEEMP) is an operational measure that establishes a mechanism to improve the energy efficiency of a ship in a cost-effective manner. The SEEMP also provides an approach for shipping companies to manage ship and fleet efficiency performance over time.

As from 1st January 2013, each ship shall keep on board a ship specific SEEMP, which may form part of the ship's Safety Management System (SMS). The SEEMP shall be developed taking into account guidelines adopted by the IMO and need not to be approved from or on behalf the ship's Administration.

5. Guidelines on Technical and Operational Measures

MEPC 63 (March 2012) adopted four sets of important guidelines aiming to assist in the implementation of the mandatory regulations on Energy Efficiency for Ships in MARPOL Annex VI:

1. 2012 Guidelines on the method of calculation of the attained Energy Efficiency Design Index (EEDI) for new ships, resolution MEPC.212(63) as amended by resolution MEPC.224(64);
2. 2012 Guidelines for the development of a Ship Energy Efficiency Management Plan (SEEMP), resolution MEPC.213(63);
3. 2012 Guidelines on survey and certification of the Energy Efficiency Design Index (EEDI), resolution MEPC.214(63); and
4. Guidelines for calculation of reference lines for use with the Energy Efficiency Design Index (EEDI), resolution MEPC.215(63).

For any questions or queries concerning the content of this Circular, interested parties may contact:

Department of Merchant Shipping –
Marine Environment Protection Section
Tel.: +357 25 848 273, +357 25 848132 or by Fax: +357 25 848 200
e-mail: environment@dms.mcw.gov.cy

IMO - MEPC Resolutions referred in this Circular may be accessed under:

<http://www.imo.org/KnowledgeCentre/HowAndWhereToFindIMOInformation/IndexofIMOResolutions/Pages/Default.aspx>

The Masters, Owners, Managers and Representatives of ships flying the Cyprus flag and of foreign flag ships entering into Cyprus ports are advised to abide strictly by the new amendments.



Costas Costaras
Acting Director
Department of Merchant Shipping

- cc: - Permanent Secretary, Ministry of Communications and Works
- Permanent Secretary, Ministry of Foreign Affairs
- Maritime Offices of the Department of Merchant Shipping abroad
- Diplomatic Missions and Honorary Consular Officers of the Republic
- Director General, Cyprus Ports Authority
- Cyprus Shipping Chamber
- Cyprus Union of Shipowners
- Cyprus Shipping Association
- Cyprus Bar Association