

Subject: Tech. Inf. 2013-10
Regulation on International energy
efficiency design index

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موضوع: اطلاعیه فنی ۱۰-۲۰۱۳

مقررات بین المللی EEDI

شماره: ۹۲/۳۷۳۲/ق م
تاریخ: ۱۳۹۲/۰۹/۰۳



All respectful ICS surveyors

With gratitude, respectfully,
According to annex 6 of MARPOL especially on EEDI & entering in force of corresponding regulation from 1st of JAN.2013, it is desirable that upon issuing IEE Certificate, the class certificate indicating "IEE" class notation at section related to MARPOL notations is to be re-issued as well

The document related to the above mentioned subject and also the supplementary attachments are accessible through the following address on ICS Network (ICS-WAN):

server/ICS Organization/Convention and Legislation/Department/Publication/tech/2013/10

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کلیه بازرسان محترم ICS

با سلام و احترام
باتوجه به اهمیت قوانین و مقررات مارپول به ویژه در بخش تعیین شاخص بازدهی انرژی شناورها (EEDI) و الزامی شدن اجرای مصوبه قانون مذکور از 01.JAN.2013، میبایست به محض صدور گواهینامه قانون مذکور (IEE Certificate)، گواهینامه کلاس شناور نیز با درج علامت رده بندی "IEE" در قسمت مرتبط با علامت رده بندی مربوط به کتوانسیون مارپول صدور مجدد گردد.

این بخشنامه به انضمام پیوست های تکمیلی آن در بخش CLD از شبکه داخلی موسسه با آدرس ذیل قابل دسترسی می باشد.

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ع. غلام ابوالفضل
سرپرست واحد کتوانسیون ها و مقررات دریایی
موسسه رده بندی ایرانیان

ترک دعوی: اگرچه در گردآوری کلیه راهنماهای فنی ارائه شده توسط موسسه رده بندی ایرانیان، تا حد ممکن تلاش در دقت و صحت محتوا صورت گرفته است، این موسسه متحمل مسئولیتی در قبال هرگونه اشتباهات، خسارت های احتمالی و جرانی که ممکن است در ارتباط با بکار گیری مفاهیم و مطالب ارائه شده رخ دهد، نمی باشد.

■ موسسه رده بندی ایرانیان

تهران - میدان هفت تیر - خیابان شهید مفتاح جنوبی - کوچه تور - پلاک ۸

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نمابر: ۸۸۲۲۴۷۲۴

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2. HISTORY

The "Regulations on Energy Efficiency for ships" adopted by res.MEPC.203 (62), MEPC 62th session (2011.7), has been newly added to Chapter 4 of MARPOL Annex VI. And, its regulation has been entered into force since 1st of Jan2013.The Energy Efficiency Design Index has been developed by the IMO over the past several years through a series of submissions to MEPCs 57-59 and the 1st and 2nd Working Groups on Greenhouse Gases.

3. APPLICATION:

3-1) MARPOL Annex 6 Chapter 4 (Regulations on Energy Efficiency for Ships) shall be applied to all ships of 400 gross tonnage and above engaged in international voyages.

3-1-1) NEW SHIPS:

From 1st of January 2013 all new built ships shall be provided with an IEE Certificate subject to fulfilling the relevant criteria of the appropriate survey. The certificate will be valid throughout the life of the ship unless the ship changes flag or is altered in such a way that it shall be considered as a new built vessel. The International Energy Efficiency Certificate is specific to each ship and must be kept available on board for normal inspections and audits.

1. GENERAL:

EEDI stands for Energy Efficiency Design Index. It is an index quantifying the amount of carbon dioxide that a ship emits in relation to the goods transported. The actual EEDI of a vessel is called the "attained EEDI" and is calculated based on guidelines published by IMO. The result must be below the limit ("required EEDI") prescribed in MARPOL. IEEC stands for International Energy Efficiency Certificate. It is a newly introduced certificate.

3-1-2) EXISTING SHIPS:

Object to the necessary criteria, existing ships shall be provided with an IEE Certificate at the first intermediate or renewal survey of the International Air Pollution Prevention (IAPP) Certificate, whichever is the first, on or after 1st of January 2013. For existing ships the certificate is only valid in combination with:

- The Ship Energy Efficiency Management Plan (SEEMP).

3-2) However, MARPOL Annex 6 Chapter 4 Regulation 20 and 21 shall not be applied to ships which have diesel-electric propulsion, turbine propulsion or hybrid propulsion systems.

4- ACTION REQUESTED:

Refer to part 1 of ICS rules in annex 1-1 of guidance relating to the rule for classification of steel ships 2013 (page 38), the special features notation of “IEE” to be appended to ships complying with the relevant requirements.

Upon issuing IEE certificate in this regard once issuing IEE certificate, the class certificate is to be re-issued as well indicating “IEE” class notation at section related to MARPOL notations. By then class notation mentioned in the vessel survey status is to be revised accordingly.

THIS IS TO CERTIFY:

This is to certify that hull and machinery of the mentioned vessel has been surveyed on 01.12.2012 at **B.ABBAS** by surveyor(s) of ICS and in accordance with the requirements of the society rules.

On the basis of the report submitted, the vessel has been assigned with the character of class as follow.

ICSS1 - Oil Tanker (Double Hull) 'ESF'
Crude/Product/IWS
ENV(IOPP, ISPP, IAPP, IGPP, IAFS, VEC-1)/CHA/LI/EQ-SPM
ICSMI-UMA/STCM/IGS/COW

This certificate issued within the scope of Iranian Classification Society. Subject to annual, intermediate and dry dock surveys of the vessel to be carried out on time, then period of class is valid:

From 01.12.2012 up to 19.11.2014

Issued at: **Tehran, Iran**
 On: **01.12.2012**

بدینوسیله گواهی می شود:
 بدنه و ماشین آلات شناور فوق الذکر در تاریخ ۱۳۹۱/۰۹/۱۱ در بندرعباس بر طبق قوانین موسسه رده بندی ایرانیان توسط بازرس (بازرسان) موسسه مورد بازرسی قرار گرفته است.
 براساس گزارش ارائه شده، شناور با مشخصات زیر "IEE" می باشد.

این گواهینامه درحیطه اختیارات موسسه رده بندی ایرانیان صادر شده است. به شرط انجام به موقع بازرسیهای سالانه، میان دوره ای و تعمیرات زیربنای شناور. دوره رده بندی آن در بازه زمانی زیر معتبر می باشد:

از تاریخ ۱۳۹۱/۰۹/۱۱ تا تاریخ ۱۳۹۲/۰۸/۱۸

محل صدور: **تهران- ایران**
 در تاریخ: **۱۳۹۱/۰۹/۱۱**

Pt 1 Classification and Surveys
Annex 1-1 Character of Classification

Pt 1, Annex 1-1

(Remarks) ⁽¹⁰⁾ : The following Additional Special Feature Notations are to be appended to ships complying with the relevant requirements. At the request of the Owner, the Additional Special Feature Notations such as designated cargo or purpose, etc. may be appended when considered appropriate by the Society. The Additional Special Feature Notations are to be located under Service Restriction Notations of Hull after Special Feature Notations regardless whether they are hull items or machinery items.

Additional Special Feature Notations	Relevant Requirements
SeaTrust (DSA1, DSA2, FSA1, FSA2, FSA3, HCM)	to ships which are constructed through applying a direct structure, fatigue assessment and hull construction monitoring requirements specified in Pt 3, Annex 3-2 to 3-4 of the Guidance. However, SeaTrust(DSA1, DSA2, FSA1, FSA2, FSA3) shall not be assigned for ships with (CSR) notation.
IA Super	to ships where IA Super Class Ice Strengthening specified in Pt 3, Ch 20 of the Rules is applied.
IA	to ships where IA Class Ice Strengthening specified in Pt 3, Ch 20 of the Rules is applied.
IB	to ships where IB Class Ice Strengthening specified in Pt 3, Ch 20 of the Rules is applied.
IC	to ships where IC Class Ice Strengthening specified in Pt 3, Ch 20 of the Rules is applied.
ID	to ships where ID Class Ice Strengthening specified in Pt 3, Ch 20 of the Rules is applied.
PC1, PC2, PC3, PC4, PC5, PC6, PC7	to ships comply with polar class specified in Pt 3, Ch 21 of the Guidance.
PL10, Icebreaker PL10, PL20, Icebreaker PL20, PL30, Icebreaker PL30	to ships comply with POLAR class specified in Pt 3, Ch 22 of the Guidance.
ICE05, Icebreaker ICE05, ICE10, Icebreaker ICE10, ICE15, Icebreaker ICE15	to ships comply with ICE class specified in Pt 3, Ch 22 of the Guidance.
FH	to ships where the requirements regarding longitudinal strength of hull girder in flooded condition, evaluation of allowable hold loading and evaluation of scantlings of corrugated transverse watertight bulkheads for bulk carriers specified in Pt 7, Ch 3, Sec 10 to Sec 12 of the Rules are applied.
IWS	to ships where an In-water Survey, in lieu of the Docking Survey, is desired according to the requirement in Ch 2, 604. 3 (8) of the Rules.
CoC	to ships where an Measure of Corrosion Control specified in Pt 3, Ch 1, 802. of the Rules is applied.
ERS	to ships where classed with the Emergency Response Service System of the Society.
CDG	to ships comply with the requirements specified in Pt 8, Ch 5, Sec 2 of the Rules.
Grab	to ships where cargo holds are protected from loading/discharge equipment in accordance with the requirements specified in Pt 7, Annex 7-7, 2 of the Guidance.
PCP	to ships where the cargo oil pipings are protected according to the requirements specified in Pt 7, Ch 1, 1002. 4 of the Guidance.
ENV (IBWM, IAFS, IOPP, ISPP, IGPP, IAPP, VEC-1, VEC-2, VEC-L, IHIM, IEE)	to ships where IAFS Certificate/Statement of Compliance, IBWM Certificate/Statement of Compliance, IOPP Certificate, ISPP Certificate, IAPP Certificate, VEC Statement of Compliance-1, VEC Statement of Compliance-2, IHIM Certificate/Statement of Compliance or IEE Certificate/Statement of Compliance have been issued relating to the environmental safety. However, the notations in the bracket may be assigned one or a combination of them as applicable. (For example, ENV(IBWM, IAFS) indicates that the ship has IBWM Certificate/Statement of Compliance and IAFS Certificate/Statement of Compliance) For ships having both VEC Statement of Compliance-1 and VEC Statement of Compliance-2, only VEC-2 shall be assigned and VEC-1 shall not be assigned. Among the ships having VEC Statement of Compliance-2, VEC-L shall be assigned, instead of VEC-2, to ships comply with the additional requirements also for Lightering Operation. However, at the request of the Owner, BWMP(T, F, S, D) may be assigned instead of IBWM to ships which have no IBWM Statement of Compliance, until the International Convention for the Control and Management of Ship's Ballast Water and Sediments has entered into force, where the requirements specified in Pt 9, Ch 7 of the Rules 2007 are complied.

5- APPENDIX:

- 1- MARPOL ANNEX VI-Ch.4-Reg.19
- 2- Res.MEPC 203(62)