



TECHNICAL INFORMATION

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No : 2022-ETC-01
Date : 14th April 2022

SUBJECT : Guideline for the implementation of EEXI regulation

IMO adopted amendments to MARPOL Annex VI at the 76th session of the IMO's Marine Environment Protection Committee (MEPC) held from 10 to 17 June 2021. Accordingly, ships of 400 gross tonnage and above engaged in international voyages¹⁾ shall comply with the Energy Efficiency Existing Ship Index (EEXI) as a technical measure to reduce their greenhouse gas emissions and a new International Energy Efficiency (IEE) Certificate should be placed onboard. The amendments to MARPOL Annex VI are expected to enter into force on 1 November 2022(Effective date of IMO's amendment procedure), with the EEXI requirements coming into effect from 1 January 2023.

In this regard, KR provides the guidance to ship owners and operators for prompt compliance with EEXI regulations as below and draws your attentions thereto so that a new IEE Certificate is to be issued in a timely manner.

For further information, please contact Decarbonization Solution Center in our head office.
(E-mail : decarbonization@krs.co.kr).

1. Applicable ships and types¹⁾

Table 1. Ships of 400 gross tonnage and above engaged in international voyages

*Ship Type	**Conformity to Required EEXI	Note
Bulk carrier	10,000 DWT and above	
Gas carrier	2,000 DWT and above	
Tanker	4,000 DWT and above	
Container ship	10,000 DWT and above	

General cargo ship	3,000 DWT and above	Not applicable to Heavy Load Carrier
Refrigerated cargo ship	3,000 DWT and above	
Combination carrier	4,000 DWT and above	
LNG carrier	10,000 DWT and above	
Ro-ro cargo ship (vehicle carrier)	10,000 DWT and above	
Ro-ro cargo ship	1,000 DWT and above	
Ro-ro passenger	250 DWT and above	
Cruise passenger	25,000 GT and above	

* For ships whose types are not apparent in terms of EEXI application—e.g., heavy load carriers, ships fitted with non-conventional propulsion systems, further consultation with KR is advised.

** EEXI Technical File should be onboard irrespective of Required EEXI. Therefore, ships of 400 gross tonnage and above in Table 1 should submit EEDI/EEXI Technical File for review/approval.

2. Procedure for the implementation of EEXI Regulation

Step	Item	Who	How
1	Make & Submit EEXI Technical File	Ship Owner	<p>[Make & Submit drawings]</p> <p>1. Where the ship owner needs to calculate EEXI value and make & submit drawings, Log-in *KR GEARs through *KR E-fleet.</p> <p>2. Where the ship owner only needs to submit prepared drawings, Log-in *KR EDAS through KR E-fleet.</p> <p>[Reference]</p> <ul style="list-style-type: none"> - All ships which are subject to calculate Attained EEXI should submit the EEXI Technical File. - However, the ships having EEDI Technical File and satisfying EEXI requirement can submit EEDI Technical File alternatively.
2	Approval of EEXI Technical File	KR	Department in charge: Stability & Tonnage Team (Stability@krs.co.kr)
3	Make & Submit Onboard Management Manual	Ship Owner	<p>[Make & Submit OMM]</p> <p>1. Ship owner should contact the Maker, commonly an engine manufacturer, to install the EPL/SHaPoLi, and the Maker will make all / a part of this manual.</p> <p>2. Both of KR EDAS & KR GEARs are available for manual submission.</p>

4	Approval of Onboard Management Manual	KR	Department in charge: Machinery Team (Machinery@krs.co.kr)
5	Installation of EPL/SHaPoLi	Ship Owner	Consult with the Maker, where necessary
6	Survey of EPL/SHaPoLi	KR	Contact the nearest KR office or KR Survey Team (Please find the office location map on KR Homepage: https://www.krs.co.kr/Eng/)
7	Issuance of IEE Certificate	KR	A New IEE Certificate should be issued until the first periodical survey on or after 1 January 2023. [Before 1 November 2022] - If the ship owner requests, SoF(Statement of Fact) can be issued after survey but not a New IEE Certificate [After 1 November 2022] - New IEE Certificate will be issued at the first periodical survey on or after 1 January 2023.

* KR E-fleet (<https://e-fleet.krs.co.kr/>),

* KR GEARS (<https://gears.krs.co.kr/>)

* KR EDAS (<https://edas.krs.co.kr/>)

Attachment

1. Res.MEPC.333(76) The Method of Calculation of the EEXI
2. Res.MEPC.334(76) Survey and Certification of the EEXI
3. Res.MEPC.335(76) Shaft/Engine Power Limitation System
4. KR GEARS User Manual (incl. EEXI Calculation & Drawing approval)

Distributions : KR surveyors, Ship owners, Other relevant parties

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