

# **IMO Guidelines Regarding the Energy Efficiency Existing Ship Index (EEXI) and Carbon Intensity Indicator (CII)**

## **Amended Guidance**

Guidance for Marine Pollution Prevention Systems

## **Reason for Amendment**

The International Maritime Organization (IMO) regulates the emission of carbon dioxide from ships engaged in international voyages in accordance with Annex VI of the International Convention for the Prevention of Pollution from Ships (MARPOL).

At the 76th session of the IMO Marine Environment Protection Committee (MEPC76) held in June 2021, the IMO adopted resolution MEPC.328(76) to amend MARPOL Annex VI in order to introduce requirements regarding both the Energy Efficiency Existing Ship Index (EEXI) and the Carbon Intensity Indicator (CII), which are both related to the reduction of the emission of carbon dioxide from ships engaged in international voyages above a certain deadweight, and these requirements have already been incorporated into the NK Rules.

Since the IMO subsequently revised and established guidelines that address the calculation and verification methods for EEXI and CII at the 78th session of its Marine Environment Protection Committee (MEPC78), relevant requirements are amended based on these guidelines.

## **Outline of Amendment**

The main contents of this amendment are as follows:

- (1) Specifies that resolutions MEPC.350(78), MEPC.351(78) and MEPC.1/Circ.901 are to be referred to as guidelines with respect to the EEXI calculation methods, surveys, and certification.
- (2) Specifies that resolutions MEPC.352(78), MEPC353(78), MEPC.354(78) and MEPC355(78) are to be referred to as guidelines with respect to the CII calculation methods, reference lines, reduction factors, correction factors and voyage adjustments.
- (3) Specifies that resolutions MEPC.346(78), MEPC.347(78) and MEPC.348(78) are to be referred to as guidelines with respect to the Ship Energy Efficiency Management Plan (SEEMP) and the Fuel Oil Consumption Reporting (IMO DCS).

“Guidance for marine pollution prevention systems” has been partly amended as follows:

## **Part 2 SURVEYS**

### **Chapter 2 REGISTRATION SURVEYS**

#### **2.1 Registration Surveys during Construction**

##### **2.1.2 Submission of Plans and Documents for Approval**

Sub-paragraph -5 has been amended as follows.

**5** Details of the documents related to existing ship energy efficiency referred to in **2.1.2-4** ~~in~~ **Part 2 of the Rules** are as follows:

- (1) The Energy Efficiency Existing Ship Index (EEXI) Technical File is a document which contains basic information related to the EEXI calculation conditions, and it is to contain the following information:
  - ((a) to (i) are omitted.)
  - (j) An in-service performance measurement report specified in *IMO* resolution *MEPC.350(78)* as amended (if applicable).
  - ~~(k)~~ Other documents deemed necessary by the Society.
- ((2) is omitted.)

# Part 8 EQUIPMENT FOR THE PREVENTION OF AIR POLLUTION FROM SHIPS

## Chapter 3 ENERGY EFFICIENCY FOR SHIPS

### 3.3 Attained Energy Efficiency Existing Ship Index (Attained EEXI) (Regulation 23 of Annex VI)

Sub-paragraphs -1 and -2 have been amended as follows.

**1** The “guidelines deemed appropriate by the Society” specified in **3.3-1, Part 8 of the Rules** refers to the ~~2021 Guidelines on Survey and Certification of the attained Energy Efficiency Existing Ship Index (EEXI) (IMO Res. MEPC.334(76))~~ 2022 Guidelines on Survey and Certification of the attained Energy Efficiency Existing Ship Index (EEXI) (IMO resolution MEPC.351(78)) as amended.

**2** The “guidelines deemed appropriate by the Society” specified in **3.3-3, Part 8 of the Rules** refers to the ~~2021 Guidelines on the method of calculation of the attained Energy Efficiency Existing Ship Index (EEXI)(IMO Res. MEPC.333(76))~~ 2022 Guidelines on the Method of Calculation of the Attained Energy Efficiency Existing Ship Index (EEXI)(IMO resolution MEPC.350(78)) as amended, and Guidance on Methods, Procedures and Verification of in-service Performance Measurements(IMO MEPC.1/Circ.901) as amended.

Section 3.6 has been amended as follows.

### 3.6 Ship Energy Efficiency Management Plan (SEEMP) (Regulation 26 of Annex VI)

(-1 is omitted.)

**2** The “guidelines deemed appropriate by the Society” specified in **3.6-3, Part 8 of the Rules** refers to the ~~2016 Guidelines for the Development of a Ship Energy Efficiency Management Plan (SEEMP) (IMO Res. MEPC.282(70)) as amended~~ 2022 Guidelines for the Development of a Ship Energy Efficiency Management Plan (SEEMP) (IMO resolution MEPC.346(78)) as amended.

(-3 is omitted.)

**4** The “guidelines developed by the IMO” specified in **3.6-4(3), Part 8 of the Rules** refers to the Guidelines for the Verification and Company Audits by the Administration of Part III of the Ship Energy Efficiency Management Plan (SEEMP) (IMO resolution MEPC.347(78)) as amended.

Section 3.8 has been amended as follows.

### 3.8 Data Collection, Reporting and Retained related to Fuel Oil Consumption Reporting, etc. (Regulation 27 of Annex VI)

(-1 is omitted.)

**2** The “standardized format deemed appropriate by the Society” specified in **3.8-1(2)(a), Part 8 of the Rules** refers to the ~~2016 Guidelines for the Development of a Ship Energy Efficiency Management Plan (SEEMP) (IMO Res. MEPC.282(70)) as amended~~ 2022 Guidelines for the Development of a Ship Energy Efficiency Management Plan (SEEMP) (IMO resolution MEPC.346(78)) as amended.

**3** The “guidelines to be developed by the IMO” referred to in **3.8-1(3), Part 8 of the Rules** means the ~~2017 Guidelines for Administration of Ship Fuel Oil Consumption Data (IMO Res. MEPC.292(71)) as amended~~ 2022 Guidelines for Administration Verification of Ship Fuel Oil Consumption Data and Operational Carbon Intensity (IMO resolution MEPC.348(78)) as amended.

Section 3.9 has been amended as follows.

### **3.9 Operational Carbon Intensity (Regulations 28 of Annex VI)**

#### **3.9.1 Attained Annual Operational Carbon Intensity Indicator (Attained Annual Operational CII)**

**1** The “guidelines deemed appropriate by the IMO” specified in **3.9.1-1 and 3.9.1-3, Part 8 of the Rules** refers to the ~~2021 Guidelines on Operational Carbon Intensity Indicators and the Calculation Methods (CII Guidelines, G1) (IMO Res. MEPC.336(76)) as amended~~ 2022 Guidelines on Operational Carbon Intensity Indicators and the Calculation Methods (CII Guidelines, G1) (IMO resolution MEPC.352(78)) as amended and 2022 Interim Guidelines on Correction Factors and Voyage Adjustments For CII Calculations (CII Guidelines, G5) (IMO resolution MEPC.355(78)) as amended.

**2** The “standardized format developed by the IMO” specified in **3.9.1-2, Part 8 of the Rules** refers to the standardized format specified in 2022 Guidelines for the Development of a Ship Energy Efficiency Management Plan (SEEMP) (IMO resolution MEPC.346(78)) as amended.

#### **3.9.2 Required Annual Operational Carbon Intensity Indicator (Required Annual Operational CII)**

The “guidelines deemed appropriate by the IMO” specified in **3.9.2-2, Part 8 of the Rules** refers to the ~~2021 Guidelines on the Reference Lines for Use with Operational Carbon Intensity Indicators (CII Reference Lines Guidelines, G2) (IMO Res. MEPC.337(76)) as amended~~ 2022 Guidelines on the Reference Lines for Use with Operational Carbon Intensity Indicators (CII Reference Lines Guidelines, G2) (IMO resolution MEPC.353(78)) as amended and “2021 Guidelines on the Operational Carbon Intensity Reduction Factors Relative to Reference Lines (CII Reduction Factors, G3) (IMO Res. resolution MEPC.338(76)) as amended as amended.

#### **3.9.3 Operational Carbon Intensity Rating**

The “guidelines deemed appropriate by the IMO” specified in **3.9.3, Part 8 of the Rules** refers to the ~~2021 Guidelines on the Operational Carbon Intensity Rating of Ships (CII Rating Guidelines, G4) (IMO Res. MEPC.339(76)) as amended~~ 2022 Guidelines on the Operational Carbon Intensity Rating of Ships (CII Rating Guidelines, G4) (IMO resolution MEPC.354(78)) as amended and 2022 Guidelines for Administration Verification of Ship Fuel Oil Consumption Data and Operational Carbon Intensity (IMO resolution MEPC.348(78)) as amended.