

RESOLUTION MEPC.293(71) (adopted on 7 July 2017)  
2017 GUIDELINES FOR THE DEVELOPMENT AND MANAGEMENT OF THE  
IMO SHIP FUEL OIL CONSUMPTION DATABASE

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**ANNEX 17**

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THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the functions of the Marine Environment Protection Committee conferred upon it by international conventions for the prevention and control of marine pollution from ships,

RECALLING ALSO that it adopted, by resolution MEPC.203(62), amendments to the annex of the Protocol of 1997 to amend the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (inclusion of regulations on energy efficiency for ships in MARPOL Annex VI),

NOTING that the aforementioned amendments to MARPOL Annex VI, which included a new chapter 4 on regulations on energy efficiency for ships in Annex VI, entered into force on 1 January 2013,

NOTING ALSO that it adopted, by resolution MEPC.278(70), amendments to MARPOL Annex VI related to the data collection system for fuel oil consumption which are expected to enter into force on 1 March 2018 upon their deemed acceptance on 1 September 2017,

NOTING FURTHER that regulation 22A.12 of MARPOL Annex VI requires that the IMO Ship Fuel Oil Consumption Database shall be undertaken and managed by the Secretary-General of the Organization, pursuant to guidelines developed by the Organization,

RECOGNIZING that the aforementioned amendments to MARPOL Annex VI require relevant guidelines for uniform and effective implementation of the regulations and to provide sufficient lead time for industry to prepare,

HAVING CONSIDERED, at its seventy-first session, draft 2017 Guidelines for the development and management of the IMO Ship Fuel Oil Consumption Database,

1 ADOPTS the *2017 Guidelines for the development and management of the IMO Ship Fuel Oil Consumption Database* (the 2017 Guidelines), as set out in the annex to the present resolution;

2 INVITES the Secretariat to take the annexed 2017 Guidelines into account when developing the IMO Ship Fuel Oil Consumption Database, in accordance with regulation 22A.12 of MARPOL Annex VI;

3 REQUESTS the Parties to MARPOL Annex VI and other Member Governments to bring the annexed 2017 Guidelines to the attention of masters, seafarers, shipowners, ship operators and any other interested parties;

4 AGREES to keep the 2017 Guidelines under review in light of experience gained with their implementation.

## ANNEX

### 2017 GUIDELINES FOR THE DEVELOPMENT AND MANAGEMENT OF THE IMO SHIP FUEL OIL CONSUMPTION DATABASE

#### 1 INTRODUCTION

1.1 These Guidelines provide guidance on the development and management of the IMO Ship Fuel Oil Consumption Database (hereafter "the database"), and describe methods that will be used to anonymize ship data for use by Parties, in accordance with regulation 22A of MARPOL Annex VI, and to ensure the completeness of the database.

1.2 In general, the purpose of the database is to support consideration of further measures for enhancing energy efficiency of international shipping by enabling robust data analysis.

1.3 With regard to data confidentiality, regulation 22A.11 stipulates that "The Secretary-General of the Organization shall maintain an anonymized database such that identification of a specific ship will not be possible. Parties shall have access to the anonymized data strictly for their analysis and consideration." These Guidelines balance data anonymization with the usability of data for analysis by the Parties and Organization.

1.4 Regulation 22A.12 states that "The IMO Ship Fuel Oil Consumption Database shall be undertaken and managed by the Secretary-General of the Organization, pursuant to guidelines to be developed by the Organization." With regard to the establishment of the database, it will be developed as a module within the Global Integrated Shipping Information System (GISIS) platform, with the integrated IMO Web Accounts framework utilized to manage secure access to the module.

#### 2 DEFINITIONS

For the purpose of these Guidelines, the definitions in MARPOL Annex VI apply.

#### 3 DATA ANONYMIZATION

Pursuant to regulation 22A.11 of MARPOL Annex VI, the data are to be anonymized such that identification of a specific ship will not be possible. For the purpose of the anonymization of the fuel oil consumption data, the following should apply for the database:

- .1 the IMO number and ship flag should not be shown;
- .2 technical characteristics of ships in the database (gross tonnage (GT), net tonnage (NT), deadweight tonnage (DWT), power output (rated power), EEDI (if applicable)) should be rounded to two significant digits, for example, a ship tonnage of 167,430 GT should be shown as 170,000 GT;
- .3 the annual data of fuel oil consumption, distance travelled and hours underway should be provided in full without modification;
- .4 ship types other than those defined in regulation 2 should be shown as "others"; and
- .5 ice class should be shown as "Yes" or "No".

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## 4 DATA SUBMISSION AND ACCESS

4.1 An Administration should be able to log in to the online database to submit its data via an online form. The data input into the database should be checked by the database system to ensure that the data are being submitted in the standardized format and be cross-referenced with the data from the Ship Particulars module of GISIS.

4.2 The Administration should designate a contact person for the purposes of the database who is responsible for communication with the Secretariat if any matter arises with regard to the submission of data by the respective Administration.

4.3 To encourage the consistent submission of data and improve the usability of the database, automatic notifications and reminders concerning data submission, modification and database update could be incorporated as features in the database.

4.4 An Administration will have access to non-anonymized data of ships flying its flag.

4.5 An Administration should be able to log in to the online database to download the anonymized dataset.

## 5 MEASURES TO ENSURE THE COMPLETENESS OF THE DATABASE

In accordance with the requirements of regulation 22A.10 of MARPOL Annex VI concerning reporting of the status of missing data, the Secretary-General should:

- .1 at the beginning of each calendar year, produce a list of ships falling under the scope of regulation 22A by cross-referencing with the data from the Ship Particulars module of GISIS;
- .2 send the aforementioned list of ships to the Administration for reference, in order to receive feedback in case of any discrepancies;
- .3 check the completeness of the database by comparing the list produced under .1 with the reported data;
- .4 remind Administrations which have failed to submit the data in the required form;
- .5 report the status of missing data to the Committee on an annual basis; and
- .6 request non-reporting Administrations to submit the data of all their registered ships falling under the scope of regulation 22A.

## 6 ANNUAL REPORT TO THE MARINE ENVIRONMENT PROTECTION COMMITTEE

Regulation 22A.10 states that "the Secretary-General of the Organization shall produce an annual report to the Marine Environment Protection Committee summarizing the data collected, the status of missing data, and such other relevant information as may be requested by the Committee." At a minimum, each annual report should include the following and also any other information as requested by the Committee:

- .1 an aggregated annual amount of each type of fuel oil consumed by all ships of 5,000 GT and above engaged on international voyages;

- .2 the aggregated annual amount of each type of fuel oil consumed, distance travelled and hours underway for ships of 5,000 GT and above engaged on international voyages, by EEDI ship type and EEDI size category, including the "other" category for ships not subject to EEDI;
- .3 the number of ships of 5,000 GT and above engaged on international voyages reported to the database, by EEDI ship type and EEDI size category, including the "other" category for ships not subject to EEDI; and
- .4 the number of ships of 5,000 GT and above engaged on international voyages registered with the Party of Annex VI for which data was not received, by EEDI ship type and EEDI size category including the "other" category for ships not subject to EEDI.

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