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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 45487-2025

**Ships and marine technology - Marine environment protection -
Specification for collecting data on ship's fuel oil consumption**

船舶与海上技术 海上环境保护 船舶燃油消耗数据收集规范

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is equivalent to ISO 23765:2021 "Ships and marine technology - Marine environmental protection - Specification for the collection of fuel consumption data for ships" "Fan".

1 Scope

This document provides a guide for vessels of 5,000 gross tonnage (GT) and above that complies with the requirements of Regulation 22A of Annex VI to the MARPOL Convention.

This document specifies a practical method for measuring fuel consumption, distance travelled and time travelled. Appendix A provides An example of a data collection programme for ship fuel consumption is provided.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document. pollutionfromships)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Data to be collected and reported annually in accordance with the requirements of Annex IX to Annex VI of the MARPOL Convention.

3.2 Emission

Ships discharge substances regulated by Annex VI of the MARPOL Convention into the atmosphere or the ocean.

3.3 Fuel oil

Fuel delivered or intended for combustion for the propulsion or operation of a ship, including distillates and residual oils.

3.4 Conversion factor

Dimensionless coefficient between fuel oil (3.3) consumption and CO₂ emissions (3.2).

Note: It is defined in the revised Guidelines for the Calculation of the Energy Efficiency Design Index (EEDI) for New Ships, 2014 [resolution MEPC 245(66)].

3.5 Voyage

The movement of a vessel from the departure berth (3.6) to the arrival berth (3.7).

3.6 Departure berth

departure The point of origin of a vessel when it leaves a berth (3.11) at the boundary of a single port (3.12).