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

GB/T 37303.4-2019

**Ships and marine technology -- Manoeuvring of ships -- Part 4:
Stopping, acceleration, traversing**

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Foreword

GB/T 37303 "Ship and Marine Technology Ship Maneuverability" is divided into six parts.

--- Part 1. Basic concepts, quantities and test conditions;

--- Part 2. Swing and yaw correction;

--- Part 3. Heading stability and steering;

--- Part 4. Shipment, acceleration and traverse;

--- Part 5. Submarine special requirements;

--- Part 6. Special requirements for model tests.

This part is the fourth part of GB/T 37303.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to ISO 13643-4.2017 "Ship and marine technology ship maneuverability Part 4. Ship closure,

Acceleration and traverse.

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

--- GB/T 37303.1-2019 Ships and marine technology - Ship handling - Part 1. Basic concepts, quantities and test conditions

(ISO 13643-1..2017, IDT).

This part is proposed and managed by the National Marine Ship Standardization Technical Committee (SAC/TC12).

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School.

1 Scope

This part of GB/T 37303 gives test instructions for the stopping, acceleration and traverse of surface ships, submarines and models. This part of the knot

Used in conjunction with ISO 13643-1.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Ships and marine technology - Ship handling - Part 5. Particular requirements for submarines (ISO 13643-5.

2017, IDT)

ISO 13643-1 Ships and marine technology - Ship handling - Part 1. Basic concepts, quantities and test conditions (Shipsandma-

rinetechnology-Manoeuvringofships-Part 1.Generalconcepts,quantitiesandtestconditions)

ISO 80000-1 quantities and units Part 1. General (Quantitiesandunits-Part 1. General)

ISO 80000-3 Quantity and units Part 3. Space and time (Quantitiesandunits-Part 3. Spaceandtime)

IMOMSC Circular 1053 Notes on Ship Maneuvering Standards (Explanatory notestothe standardforshipmanoeu-

Vrability)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Accelerated test acceleration test

A maneuverability test to determine the performance of a ship under positive or negative acceleration (deceleration).

3.2

Inertial ship stop test coastingstoptest

A maneuverability test to determine the state of the vessel after the propulsion device has been separated and/or closed.

3.3

Manipulator manoeuvring device

Rudder, full swing propeller, horizontal rudder, straight wing propeller or other equivalent system for maneuvering ships.

3.4

Ship stop test stop test

The maneuverability test of the state of the ship after the reversal direction of the propulsion device is reversed is determined.

3.5

Traverse test traversing test

A maneuverability test to determine the ship's ability to perform lateral motion, without steering and moving as much as possible in the longitudinal direction.