

ICS 47.040
CCS U 22



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

GB/T 47042-2026

**Large yachts - Quality assessment and acceptance criteria -
Dynamic positioning on large yachts**

大型游艇 质量评估和验收标准 大型游艇的动力定位

(English Translation)

Issued on: January 28, 2026

Implemented on: August 1, 2026

Issued by: State Administration for Market Regulation

Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

This document adopts ISO 22822:2023 "Quality assessment and acceptance criteria for large yachts - Dynamic positioning of large yachts".

1 Scope

This document specifies the dynamic positioning (DP) of large yachts intended for recreational use (i.e., non-mission-critical, short-duration, mild weather).

Minimum system requirements. This standard provides minimum requirements for the equipment, as well as calculation methods for quantifying DP positioning performance, and provides... Guidelines on testing and personnel requirements.

This document applies to the quality assessment and acceptance of dynamic positioning systems for large yachts.

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 DP system

The complete set of equipment required for dynamic positioning of large yachts.

Note: The dynamic positioning (DP) system includes the power system (3.2), the thruster (3.3), and the DP control system (3.4). [Source: MSC./Circ.1580.2017,1.2.11, modified]

3.2 Power system

Components and systems that provide power to the dynamic positioning system (3.1).

Note: The power system includes the prime mover and related systems, generator, switchboard, cables, UPS system and power management system. [Source: MSC.I/Circ.1580.2017,1.2.20, modified]

3.3 Thruster

A device that provides thrust to control the position of a large yacht.

Note: Thrusters can include dedicated thrusters (such as side tunnel thrusters and auxiliary thrusters), and if directly controlled by a dynamic positioning system (3.1), can also include main thrusters. Thruster.

3.4 DP control system

Control components and systems, hardware and software required for dynamic positioning of large yachts.

Note: A DP control system includes a computer system, control station, sensors, and all necessary cables and network connections. [Source: MSC.I/Circ.1580.2017,1.2.10, modified]