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

GB/T 46852-2025

**Large yachts - Quality assessment of life onboard -
Stabilization and sea keeping**

大型游艇 船上生活质量评估 稳定性和适航性

(English Translation)

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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 is equivalent to ISO 22834:2022 "Quality of life assessment on large yachts - stability and seaworthiness".

1 Scope

This document provides a rating system (excluding evaluation criteria) for comparing the comfort of yachting technology and commercial applications.

The system uses a five-star rating system, with higher star ratings indicating greater comfort on board. This system helps users select the most suitable tour based on their specific needs.

The boat was used to evaluate the effectiveness of the stabilization system, compare different design options, and determine the most comfortable seating posture on board.

Changes to the methods, workflows, and standards presented in this document will not have a significant impact on onboard comfort.

This document does not cover the following. jerkness, lateral damping derivation method, stern tilt waves, parametric roll risk, steering gear influence, and deck surge.

Waves and wave impact, yacht size compensation, gender and age dependence, adaptability.

By explicitly listing content not included in this document, users can improve the evaluation through other supplementary means.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 13441.1-2007 Mechanical Vibration and Shock - Evaluation of Human Exposure to Whole-Body Vibration - Part 1: General Requirements (ISO 2631-1:1997, IDT)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Comfort

The subjective state of physical health or the state of being free from mechanical disturbances in relation to the inducing environment (mechanical vibration or repetitive impact).

Note 1: Figure 1 lists several factors that affect the comfort of crew and passengers.

Note 2: Some factors have been assessed according to existing national standards (such as ISO 2631-1, assessment of vibration, and other standards on human-caused noise). describe.

Note 3: The comfort factors studied in this paper are related to movement, postural stability, and seasickness.

Note 4: Some factors affecting comfort are influenced by exposure time, intensity, and the subject's gender, age, and past experience. The subject's psychological state also plays a role. It plays a very important role.