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

GB/T 30493-2014

**Sea-going vessels and marine technology -- Instructions for
planning, carrying out and reporting sea trials**

船舶和海上技术 海上试验计划、实施与报告的指南

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses the translation method identical with ISO 19019:2005 "Ships and marine technology - Marine test planning, implementation and reporting means south".

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB/T 4595-2000 boat noise measurement (ISO 2923:1996, IDT)

--- GB/T 6072.1-2008 Reciprocating internal combustion engines - Part 1. power, fuel and lubricating oil consumption and Additional requirements for engines for general test methods (ISO 3046-1:2002, IDT)

--- GB/T 6072.3-2008 Reciprocating internal combustion engines - Part 3. Test measurements (ISO 3046-3:2006, IDT)

--- GB/T 6072.4-2000 Reciprocating internal combustion engines - Part 4. Speed
ISO 3046-4:1997, IDT)

--- GB/T 6072.5-2003 Reciprocating internal combustion engines - Part 5. Torsional vibrations (ISO 3046-5:2001, IDT)

--- GB/T 6072.6-2000 Reciprocating internal combustion engines - Part 6. overspeed protection (ISO 3046-6:1990, IDT)

--- GB/T 6072.7-2000 Reciprocating internal combustion engines - Performance - Part 7. Codes for engine power (ISO 3046-7:1995, IDT)

--- GB/T 7452-2007 Mechanical vibration habitability on passenger and merchant ships vibration measurement, reporting and evaluation criteria (ISO 6954.

2000, IDT)

This standard is to do the following editorial changes.

--- Increase the informative appendix NA, metric and imperial conversion tables.

The standard proposed by China State Shipbuilding Corporation.

This standard by the National Standardization Technical Committee Marine boat centralized (SAC/TC12) proposed.

This standard drafting units. China Shipbuilding Technology and Economy Research Institute, CSSC Guangzhou Shipbuilding Co., Ltd. Longxue.

1 Scope

The standard offer sea trials planning, implementation and reporting guidelines to shipowners, ship design and construction personnel, testing personnel, and provide Basic information on sea trials unified format.

This standard applies to all kinds of Appendix B mechanically propelled sea trials of the ship.

This standard does not apply to submarines.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 2923 noise measurement board (Acoustics-Measurement of noise on board vessels) ISO 3046-1 Reciprocating internal combustion engines - Performance - Part 1. Test methods for calibration and power, fuel and lubricating oil consumption through Additional requirements for engines (Reciprocating internal combustion engines-Performance-Part 1. Declarations of power, fuel and lubricating oil consumptions, and test methods-Additional requirements for engines for general use) ISO 3046-3 Reciprocating internal combustion engines - Part 3. Test measurements (Reciprocating internal combustion engines-Performance-Part 3. Test measurements) ISO 3046-4 Reciprocating internal combustion engines - Performance - Part 4. Speed governing (Reciprocating internal combustion engines-Performance-Part 4. Speed governing) ISO 3046-5 Reciprocating internal combustion engines - Performance - Part 5. Torsional vibrations (Reciprocating internal combustion engines-Performance-Part 5. Torsional vibrations) ISO 3046-6 Reciprocating internal combustion engines - Performance - Part 6. overspeed protection (Reciprocating internal combustion engines-Performance-Part 6. Overspeed protection) ISO 3046-7 Reciprocating internal combustion engines - Performance - Part 7. Codes for engine power (Reciprocating internal combustion engines-Performance-Part 7. Codes for engine power) ISO 4867 Hull measurement and reporting procedures vibration data (Code for measurement and reporting of shipboard vibration data) ISO 4868 Hull measurement

and reporting procedures of local vibration data (Codeformeasurementandreportingoflocal vibrationdataofshipstructuresandequipment) ISO 6954 Mechanical vibration passenger and merchant ships habitability vibration measurement, reporting and evaluation criteria ISO 15016 Ships and marine technology by analyzing the speed trial data to determine the speed and power performance assessment guidelines (Ship andmarinetechnology-Guidelinesfortheassmentofspeedandpowerperformancebyanalysisof speedtrialdata) Operations - Part 2 DIN81208-2 ship. inertia test (Manoeuvringofships-Part 2. Coastingstop trial) Part 3 DIN81208-3 steering the ship. Back rudder test (Manoeuvringofships-Part 3. Pul-outtrial)