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

GB/T 19322.3-2017

**Small craft -- Airborne sound emitted by powered recreational
craft -- Part 3: Sound assessment using calculation
measurement procedures
(English Translation)**

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Foreword

GB/T 19322 "small boat motor yacht air noise" is divided into three parts.

--- Part 1. Pass the measurement procedure;

--- Part 2. Noise assessment using standard boats;

--- Part 3. Calculation and measurement procedures for noise assessment.

This section GB/T 19322 Part 3.

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

This section uses the translation method identical with ISO 14509-3:2009 "Small motor yacht airborne noise Part 3. Calculation and measurement Procedure for noise assessment "(in English).

The documents of our country that are consistent with the corresponding international documents that are normative references in this section are as follows.

--- GB/T 3785.1-2010 Electroacoustic sound level meter Part 1. Specification (IEC 61672-1:2002, IDT)

--- GB/T 11700-2009 Small craft marine propulsion reciprocating internal combustion engine power measurement and calibration (ISO 8665:2006, IDT)

--- GB/T 15173-2010 Electroacoustic sound calibrator (IEC 60942:2003, IDT)

--- GB/T 16696-2008 Small boat body identification code (ISO 10087:2006, IDT)

--- GB/T 19916-2005 boat main data (ISO 8666:2002, IDT) this part is proposed by China State Shipbuilding Corporation.

This part of the National Standardization Technical Committee boats (SAC/TC241) centralized.

This part of the drafting unit. China Shipbuilding Industry and Technology Institute of integrated economy.

1 Scope

GB/T 19322 provisions of this part of the Froude number greater than 1.1 and the hull length of not more than 24m of single motor yachts spoke Radio noise assessment procedures. This section does not apply to personal boats (PWC).

This section provides the use of calculation methods and measurement methods combined A weighted sound pressure level determination.

2 Normative references

The following documents for the application of this document is essential. 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.

ISO 8665 marine propulsion reciprocating internal combustion engine power measurement and calibration (Smalcraft-Marinepropulsion reciprocatinginternalcombustionengines-Powermeasurementsanddeclarations) ISO 8666 boat main data (Smalcraft-Principaldata) ISO 10087 boat body identification code (Smalcraft-Craftidentification-Codingsystem) ISO 14509-1 Small motor yacht airborne noise Part 1 - Measurement procedures (Smalcraft-Airbornesound emittedbypoweredrecreationalcraft-Part 1: Pass-bymeasurementprocedures) IEC 60942 Electroacoustics-Soundcalibrators IEC 61672-1 Electroacoustics sound level meter Part 1. Specification (Electroacoustics-Soundlevelmeters-Part 1.

Specifications

3 Terms and definitions

ISO 8666 and defined by the following terms and definitions apply to this document.

Yacht recreationalcraft A boat intended for sports and recreation, regardless of the type of propulsion used.

Yacht maximum A frequency weighted sound pressure maximumA-frequencyweighted sound pressure level for recreational craft Maximum A-weighted sound pressure level maximumA-weighted sound pressure level L_{pAmax} the maximum sound pressure level measured by the boat when passing under the specified operating conditions (A frequency weighted according to IEC 61672-1).

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