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

GB/T 23304-2009

Shipbuilding -- Ship lines -- Formats and data organization

造船 船体型线 格式和数据结构

(English Translation)

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Foreword

This standard is identical with ISO 7838. 1984 "ship hull lines formats and data structures" (in English).

This standard is equivalent translation ISO 7838. 1984.

For ease of use, this standard made the following editorial changes.

- "This International Standard" be replaced by "this standard";
- With a comma "," instead of a comma as described, "";
- Delete international standards foreword.

The standard proposed by China State Shipbuilding Corporation.

This standard by the national marine vessel Standardization Technical Committee shipbuilding base Technical Committee (SAC/TC12/SC3) centralized.

This standard drafting units. China Technology and Economy Research Institute of Shipbuilding.

Drafters of this standard. seedlings Hongren, Cheng Nan.

GB/T 23304-2009/ISO 7838. 1984 Ship hull lines formats and data structures

1 Scope

This standard specifies the format and data structure suitable for geometric information exchange between different hull define the system.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

ISO 7461. Digital 1984 ship hull lines of the hull geometry representation

3 Terms and Definitions

Terms and definitions ISO 7461 established in applicable to this standard.

4 Consecutive file structure

4.1

a first data block the first data block file by a record composed, the record contains.

- a) the file name, no more than 24 characters;
- b) The maximum block length, the size of integer word length, in units of words.

4.2.1 Content

Subsequent data block stored profile geometry. Each data block contains four recording, storing all the data a hull lines of.

- a) a record for the profile identifier;
- b) In addition three records for the type line projection in three orthogonal planes.

4.2.2.1 Record 1

IDENT. profile identifier from 1 to 8 alphanumeric.

L. Type the cable type (int amount), take the following values.

- L = 1, a two-dimensional curve;
- L = 2, the non-dimensional curve orthogonal to the plane of the;
- L = 3, an arbitrary three-dimensional curves.

4.2.2.2 Record 2

C. feature projection plane value (int amount).

S. the definition of a two-dimensional graph of a plane orthogonal to the distance from the

coordinate system origin, in millimeters (real amount), when $L = 2$ or $L = 3$ Shi, $S = 0$;

N. profile projection line points (int amount).

Vp (1}) the first point coordinate values in millimeters (real amount).

PS (1)

Vp S (1}) not defined geometric lines;

GB/T 23304-2009/ISO 7838. 1984