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

GB/T 23305.1-2009

**Shipbuilding -- Topology of ship hull structure elements -- Part
1: Location of elements**

造船 船体结构单元的拓扑 第1部分：单元的位置

(English Translation)

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Foreword

GB/T 23305 "topology shipbuilding hull structure elements" is divided into three parts.

Part --- 1. position of the unit;

Part --- 2. Describe the unit;

Part --- 3. Relationship between units.

This section GB/T 23305 Part 1.

This part identical with ISO 9203-1. 1989 "topology shipbuilding hull structure elements - Part 1. position of the unit" (in English).

This section is equivalent translation ISO 9203-1. 1989.

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

--- "This International Standard" be replaced by "this section";

--- With a comma "," instead of a comma as described, "";

--- Delete international standards foreword.

This part is proposed by the China State Shipbuilding Corporation.

This part of the National Marine vessel Standardization Technical Committee shipbuilding base Technical Committee (SAC/TC12/SC3) centralized.

This part of the main drafting units. China Technology and Economy Research Institute of Shipbuilding.

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GB/T 23305.1-2009/ISO 9203-1. 1989 Topology shipbuilding hull structure elements
Position of the unit. Part 1

1 Scope

GB/T 23305 consists of three parts, the provisions of the topological hull structure elements, it makes each unit and its layout information can party He and accurate delivery.

This section GB/T 23305 specifies the location of the hull structural units.

2 Normative references

The following documents contain provisions which, through reference GB/T 23305 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 23304 ship hull lines formats and data structures (GB/T 23304-2009, ISO 7838. 1984, IDT)

3.1 Structural units

Hull structure elements are divided into the following four groups.

- a) an outer panel (see 3.3);
- b) Other panel units, such as. bulkhead panels, decks, floors, double bottom (see 3.4);
- c) The main structural beams, such as. Strong ribs, strong girders (see 3.5);
- d) stiffeners (see 3.5).

3.2 Boundary line file

For plate elements in numerical representation, the main structural beams and cables stiffeners and plate margin line and other boundary files should be standard boat Storage size line format standard hull form format see GB/T 23304.

3.3 Outer panel

Outer plate as a unit throughout the hull, with an identifier represented.

3.4 Other panel unit

It should be based on the following information to determine the position of the inner plate element.

a) unit identifier (up to 12 characters);

b) plane delimiter (plane equation coefficients A, B, C, D are the real amount) or non-planar indicator;

c) symmetric code (T = about centerline of symmetry and on both sides, S = starboard, P = port side, C = at or passing through the center line);

The number d) boundary line, like;

e) of the rope boundary lines for each boundary line.

--- Border unit identifier and connection identifier (cell or border unit if defined non-planar),
or

--- Plate margin line identifier;

On f) cell thickness point code (U =, D = lower, F = front, A = after, S = starboard, P = port side, H = symmetrical division of thickness).

GB/T 23305.1-2009/ISO 9203-1. 1989