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

**GB/T 21481.1-2008**

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**Ships and marine technology -- Potable water supply on ships  
and marine structures -- Part 1: Planning and design**

船舶与海上技术 船舶和海上结构物上生活用水供应 第1部分: 规划和设计

**(English Translation)**

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## Foreword

GB/T 21481 "Ships and marine technology on ships and marine structures - domestic water supply" is divided into two parts.

--- Part 1. Planning and design;

--- Part 2. Calculation Method.

This section GB/T 21481 Part 1, identical with ISO 15748-1:2002 "Ships and marine technology ships and marine knot the structures for domestic water supply - Part 1.

Planning and Design "(in English).

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

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

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Delete foreword international standards;

--- Delete international standard "reference." this section of the Appendix A, Appendix B, Appendix C are informative appendices.

This part is proposed by the China State Shipbuilding Corporation.

This part of the National Standardization Technical Committee Marine boat centralized.

This section drafted by. China Shipbuilding Technology and Economy Research Institute.

## 1 Scope

This section applies to the ship, a fixed or floating offshore structures and vessels inland domestic water supply system planning, design and Arrangement.

This section provides for the protection of domestic water and domestic water supply system to maintain the minimum required to water quality, and provide a means to use Piping and related information.

This section does not involve delivery of the relevant rules of domestic water, domestic water transport should be subject to specific regulations.

## 2 Normative references

The following documents contain provisions which, through reference GB/T 21481 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.

21481.2 Ships and marine technology on ships and marine structures - domestic water supply - Part 2 GB/T . Calculation Method (GB/T 21481.2-2008, ISO 15748-2:2002, IDT)  
ISO 7-1. Control has a threaded portion of the first pressing of the connecting thread 1994.  
dimensions, tolerances and marking ISO 65 to ISO 7-1 carbon steel pipe with a threaded  
ISO 161-1 Thermoplastics fluid delivery pipe nominal diameters and nominal pressures -  
Part 1. Metric series ISO 228-1 without compression fitting pipe threads - Part 1.  
Dimensions, tolerances and designation ISO 274 brass circular cross section dimension  
ISO 426-2 wrought copper-zinc alloy chemical composition and forgings constitute Part 2.

lead-zinc alloy Inertial mass ISO 1127 stainless steel tube dimensions, tolerances and unit length ISO 1635 wrought copper and copper alloy tube mechanical properties for general purposes ISO 4200 inertial mass table welding seamless pipe size flat head and per unit length ISO 5620-1 ships and offshore structures for drinking water tanks injection fittings - Part 1. General requirements ISO 14726-1 color identification - Part 1 Ships and marine technology pipeline system content. Main colors and media Color identification - Part 2 ISO 14726-2 Ships and marine technology pipeline system content. different attachment media and (or) function Add color the International Convention for the Safety of Life at Sea (SOLAS1974)

### **3 Terms and Definitions**

The following terms and definitions apply to this section.

Produce domestic water, processing, transportation, storage and distribution systems.

GB/T 21481.1-2008/ISO 15748-1:2002