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

**GB/T 14914-2006**

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**The specification for marine observation -- Part 1: General**

海滨观测规范

**(English Translation)**

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### Foreword

GB/T 14914 "Ocean Observation Specification" is divided into the following six parts.

- Part 1. General;
- Part 2. Seaside observation;
- Part 3. Buoy subsurface observation;
- Part 4. Radar observation;
- Part 5. Satellite remote sensing observations;
- Part 6. Data Processing and Quality Control.

This part is the first part of GB/T 14914.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part is proposed by the Ministry of Natural Resources of the People's Republic of China this part is under the jurisdiction of the National Marine Standardization Technical Committee (SAC/TC283).

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## Introduction

With the development of ocean observation technology, China's ocean observation methods have gradually expanded from traditional seashore observations to buoys.

Measurements, radar observations, aerial observations, satellite remote sensing observations and other means have initially formed stereoscopic observations of the ocean. Adapted to ocean observations the needs of the exhibition, standardize marine observation activities, implement the Regulations on the Management of Ocean Observation and Forecast (Order No. 615 of the State Council), and now (GB/T 14914-2006) revised to "Ocean Observation Specification", the content is temporarily divided into six parts, of which the seashore observations are revised, general, the five parts of buoy subsurface observation, radar observation, satellite remote sensing observation, data processing and quality control are new. With aviation observations, etc.

With the development of new technologies, relevant standards will be added in a timely manner.

Specification for marine observations - Part 1. General

## 1 Scope

This part of GB/T 14914 specifies the requirements for observation,, quality control, and data submission for ocean observations.

This part is applicable to seaside observation, buoy subsurface observation, radar observation and satellite remote sensing observation in marine observation activities.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 8170-2008 Numerical rounding rules and the representation and determination of limit values  
GB/T 12763.2 Marine survey specification Part 2. Marine hydrological observations  
GB/T 12763.3 Marine survey specification Part 3. Marine meteorological observations  
GB/T 12763.5 Marine survey specification Part 5. Survey of ocean sound and light elements  
GB/T 12763.7 Marine survey specification Part 7. Ocean survey data exchange  
GB/T 13972 General technical conditions for marine hydrological instruments  
GB/T 15918 comprehensive terminology  
GB/T 15920 Oceanographic terminology physical oceanography  
HY/T 059 General technical requirements for automated observation of marine stations

### **3 Terms and definitions**

GB/T 12763.2, GB/T 12763.3, GB/T 12763.5, GB/T 12763.7, GB/T 13972, GB/T 15918, the terms and definitions defined in GB/T 15920 and HY/T 059 apply to this document.

#### **4.1 Purpose of ocean observation**

Obtain basic marine data of the observed sea area for marine economic construction, maritime rights maintenance, marine disaster prevention and mitigation, and response to global climate change and provide basic support for the promotion of marine scientific research.

#### **4.2 Principles of ocean observation**

Marine observations should follow the following principles.

- Really reflect the state of the ocean and maximize the quality of observation data;
- Representative, feasible, scientific;
- Meet the technical requirements of specific observation projects.

#### **4.3 Contents of ocean observations**

##### **4.3.1**

Ocean observations should include the following items.