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

GB/T 12763.2-2007

Replacing GB/T 12763.2-1991

**Specifications for oceanographic survey - Part 2: marine
hydrographic observation**

海洋调查规范 第2部分: 海洋水文观测

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	3
4.1 Technical Design	3
4.2 observational elements, manner and sequence	3
4.3 station layout principles and the observation interval Select	4
4.5 hydrological instruments and equipment	4
4.6 Quality Control Manager	4
4.7 observational data record, collate and exchange, as well as the outcome of the investigation acceptance	4
5.1 Technical Specifications	5
5.2 Observation Method	5
7 Salinity measurements 6	7
6.1 Technical Specifications	7
6.2 Observation Method	7
7.1 Technical Specifications	8
7.2 Observation Method	8
7.3 Data Processing 11 8 wave observing	11
8.1 Technical Specifications	11
8.2 Observation Method	12
13 Level	9
9.1 Technical Specifications	14
9.2 Observations	14
9.3 Data Processing 15 10 water transparency, color and luminous sea observation 15 ..	15
10.1 Technical Specifications	15
10.2 Methods of Observation Sea ice observations 16 11	16
11.1 Technical Specifications	17
26 Annex D (informative) oceanographic observation record sheet format	30
11 Acoustic Doppler flow record table	35

Foreword

GB/T 12763 "oceanographic survey" is divided into 11 parts.

- Part 1. General;
- Part 2. oceanographic observations;
- Part 3. Marine meteorological observations;
- Part 4. Marine Chemistry Elements investigation;
- Part 5. Ocean Sound, light elements investigation;
- Part 6. Marine Biological Survey;
- Part 7. Marine survey data exchange;
- Part 8. Marine Geological Geophysical Survey;
- Part 9. Marine Ecological Survey Guidelines;
- Part 10. seabed topography survey;
- Part 11. Marine Engineering Geological Survey. Wherein Section 9, Section 10 and Section 11 corresponds to GB/T 12763-1991 is a new section. This is Part 2 GB/T 12763, and instead of GB/T 12763.2-1991 "oceanographic survey - Marine hydrographic observations." This part of GB/T 12763 Part 1 and GB/T 12763 Part 7 supporting the use. This section compared with the GB/T 12763.2-1991 The main changes are as follows:
 - Reference standard added GB/T 15920-1995 "Oceanographic term. Physical Oceanography" and GB/T 14914-1994 "sea Bin observing practices "(see Chapter 2);
 - All terms and definitions included in Chapter 3 (see Chapter 3);

1 Scope

GB/T 12763.2-2007 is the Chinese national standard on specifications for oceanographic survey - part 2: marine hydrographic observation, in the field of natural and applied sciences. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 13 August 2007 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2008. Classification: ICS 07.060, CCS A45. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 12763 provisions of this part of the basic elements of oceanographic observations,

technical specifications, methods of observation and data processing. This section applies to the basic elements of the Marine Environment Survey oceanographic observations.

2 Normative references

The following documents contain provisions which, through

GB/T 12763 in this part of the reference in terms of this section. Cited documents dated, its All subsequent amendments (not including errata content) or revisions do not apply to this section. However, to encourage an agreement in accordance with this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 12763.1 specification for oceanographic survey - Part 1. General

GB/T 12763.3 specification for oceanographic survey - Part 3. Marine meteorological observations

GB/T 12763.7 specification for oceanographic survey - Part 7. Marine survey data exchange

3 Terms and Definitions

The following terms and definitions apply GB/T 12763 in this section.

3.1 Site measured from the sea surface to the seafloor vertical distance. The main purpose of measurement is used to determine the depth of the station.

3.2 The vertical distance from the sea surface to the underwater observation instruments. Hydrological Factors for determining the measured value lies depth.

3.3 Seawater temperature measured under field conditions.

Note. The unit is °C.

3.4 A scale seawater salinity.

Note. The definition of absolute salinity and practical salinity see GB/T 15920-1995. Oceanographic term physical oceanography. Practical salinity calculation formula in Appendix A.

3.5 Macroscopic flow of sea water at a flow rate and flow characterization.

Note 1. The flow rate of the unit is cm/s.

Note 2. The flow refers to the flow direction of the sea. In degrees (°), just north of zero, measured clockwise.

3.6 Ocean waves generated by the wind. Including storm surge and evolved.

Note 1. The definition of sea and swell, see GB/T 15920-1995.

Note 2. The basic elements of the waves, including wave height, wave direction and period, etc., see definition GB/T 15920-1995.

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