

ICS 07.060
CCS A45



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

GB/T 12763.3-2020

Replacing GB/T 12763.3-2007

**Specifications for oceanographic survey - Part 3: Marine
meteorological observations**

海洋调查规范 第3部分：海洋气象观测

Issued on: December 14, 2020

Implemented on: July 1, 2021

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	1
9 Observation data processing and results submission	5
3 Observation and recording methods	5
3 Observation and recording methods	6
2 Observation and recording methods	8
3 Observation and recording methods	9
3 Observation and recording methods	10
3 Observation and recording methods	11
3 Observation and recording methods	11
2 Observation methods	12
4 Methods of data sorting	14
4 Methods of data sorting	16
5 Calculation method	18
1 Wind power rating table	34

Foreword

GB/T 12763 "Marine Survey Code" is divided into 11 parts:

- Part 1: General Provisions;
- Part 2: Marine Hydrological Observation;
- Part 3: Marine meteorological observation;
- Part 4: Investigation of seawater chemical elements;
- Part 5: Investigation of ocean sound and light elements;
- Part 6: Marine Biological Survey;
- Part 7: Ocean Survey Data Exchange;
- Part 8: Marine Geology and Geophysical Investigation;
- Part 9: Marine ecological survey guide;
- Part 10: Survey of seabed topography;

---Part 11: Marine Engineering Geological Survey: This part is Part 3 of GB/T 12763: This section was drafted in accordance with the rules given in GB/T 1:1-2009: This part replaces GB/T 12763:3-2007 "Marine Survey Specification Part 3: Marine Meteorological Observation": Compared with GB/T 12763:3-2007, the main changes in this part are as follows:

---In accordance with the provisions of GB/T 1:1-2009, the format of this section has been modified;

---The definitions of relative humidity, air-sea flux, net radiation, and survey ship have been added to the terms and definitions (see 3:3, 3:14, 3:15, 3:16);

1 Scope

GB/T 12763.3-2020 is the Chinese national standard on specifications for oceanographic survey - part 3:marine meteorological observations, 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 14 December 2020 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2021. 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.

This part of GB/T 12763 specifies the marine meteorological observation items, technical indicators, observation methods, records, and submission of results: Claim: This section applies to marine meteorological observations in the investigation of basic elements of the marine environment:

2 Normative references

The following documents are indispensable for the application of this document: For dated reference documents, only the dated version applies to this article Pieces: For undated references, the latest version (including all amendments) applies to this document:

GB/T 4844 pure helium, high-purity helium and ultra-pure helium GB/T 12763:

1 Marine Survey Specification Part 1: General GB/T 12763:

3 Terms and definitions

The following terms and definitions apply to this document: 3:

1 Seasurfaceeffectivehorizontalvisibility The maximum horizontal distance within the field of

view of more than half of the sea level that the station can see:

Note: Rewrite GB/T 17838-2017, definition 2:4: 3:

2 Minimum visibility at sea surface seasurfaceminimumhorizontalvisibility The minimum horizontal distance that can be seen when the visibility of the sea surface in all directions around the station is inconsistent: 3:

3 Relative humidity relativehumidity The ratio of the actual water vapor pressure in the air to the saturated water vapor pressure at the current temperature: [GB/T 17838-2017, definition 2:19] 3:

4 Cloudcover The number of clouds obstructing the view of the sky:

Note: Total cloud amount refers to the total number of sky covered by all clouds; low cloud amount refers to the number of sky covered by low clouds: 3: