

ICS 33.200
CCS M50



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

GB/T 12506-2017

Replacing GB/T 12506-1990

General specification for wind-finding radar

测风雷达通用规范

Issued on: July 31, 2017

Implemented on: February 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 12506-1990 "wind power radar general technical conditions", compared with GB/T 12506-1990 within the main technology The content changes as follows:

--- Redefinition of the scope of the specification for high altitude weather radar, wind profiler radar (1990 version only At altitude aerial detection radar);

--- Modify the technical requirements of the title and content, increase the technical requirements of the wind profiler radar requirements (see Chapter 4);

--- Modify the title and content of the test method, an increase of wind profiler radar test method (see Chapter 5);

--- According to GB/T 3784 wind radars and other terminology has been defined;

--- Change "xx system" to "xx subsystem", eg change "antenna system, feeder system" to "antenna feeder subsystem" (see 4.11.2.1, 1990 edition 4.3.2, 4.3.3); "Launch system" to "Launch subsystem" (see 4.1.2.2,.1990 edition 4.3.4); "Receiving system System "to" receiving subsystem" (version 4.11.2.3,.1990 version 4.3.5);" Ranging display system "to" Ranging system " (See 4.11.2.4,.1990 version 4.3.6); "antenna control system" to "antenna control subsystem" (see 4.11.2.5,.1990 Edition 4.3.7); "sounding receiver" to "sounding receiving subsystem" (see 4.2.1.6.3,.1990 edition 4.3.8); "Department of Data Processing System "to" data processing terminal subsystem "(see 4.1.8.2,.1990 version 4.3.9);" requirements of environmental conditions "to" environment suitable Should be "(see 4.12,.1990 version 4.2);

--- The "inspection rules" to "quality assessment procedures" (see Chapter 6;.1990 edition Chapter 6). Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents. This standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This standard by the China Electronics Standardization Institute centralized. This standard was drafted .081 Electronics Group Co., Ltd., Anhui Electronics Co., Ltd. a four. The main drafters of this standard. Xiao Chunhua, Wang Zongquan, Chen

Xiaohui, Hu Rong, Zhang Qiang, Xie Liuqing. This standard replaces the standards previously issued as.

--- GB/T 12506-1990. General specification for wind measurement radar

1 Scope

GB/T 12506-2017 is the Chinese national standard on general specification for wind-finding radar, in the field of telecommunications and audio-video engineering. 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 31 July 2017 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 2018. Classification: ICS 33.200, CCS M50. 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 standard specifies the terms and definitions of wind measurement radars (hereinafter referred to as radar), requirements, test methods, quality assessment procedures and signs, packages Loading, transportation and storage. This standard applies to high altitude weather radar (excluding radiosonde, transponder), wind profiler radar design, production, testing, is to develop production Product specification basis. This standard does not apply to Doppler laser wind measurement radar.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 3784 electrical terminology radar

GB 5083 General safety and health design of production equipment Meteorological radar parameters testing method

GB/T 25295 Electrical Equipment Safety Design Guidelines General Specification for

GJB74A-1998 Military Ground Radar GJB145A-1993 protective packaging

GJB150.1A-2009 military equipment laboratory environmental testing methods - Part 1.

General requirements GJB150.2A-2009 Environmental testing methods for military equipment laboratories - Part 2. Low air pressure (altitude) test GJB150.3A-2009 military equipment laboratory environmental testing methods - Part 3. High temperature test

GJB150.4A-2009 military equipment laboratory environmental testing methods - Part 4.

Low temperature test GJB150.8A-2009 military equipment laboratory environmental testing

methods - Part 8. Rain test GJB150.9A-2009 military equipment laboratory environmental testing methods - Part 9. Damp heat test GJB150.16A-2009 military equipment laboratory environmental testing methods - Part 16. Vibration test GJB150.18A-2009 Environmental testing methods for military equipment laboratories - Part 18. Impact test GJB179A-1996 Counting Sampling Inspection Procedure and Table GJB438B-2009 Military Software Development Documentation General Specifications GJB1766 radar equipment maintenance spare parts packaging technical requirements Maintainability test and evaluation of GJB2072 General requirements for testing and evaluation of military software GJB2786A Military Software Development General Requirements GJB5313 Electromagnetic radiation exposure limits and methods of measurement

3 Terms and definitions

GB/T 3784 defined terms and definitions apply to this document. For ease of use, some of GB/T 3784 are listed below repeatedly Terms and definitions.