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**Satellite navigation and positioning sounding
system-Radiosonde**

卫星导航定位探空系统 探空仪

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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Satellite navigation positioning sounding system sonde

1 Scope

This document specifies the technical requirements, inspection rules, and marking, packaging, and inspection rules of the sounding instrument (hereinafter referred to as the sounding instrument) in the satellite navigation sounding system.

Packaging, transportation and storage, etc., and describes the relevant test methods.

This document applies to the design, production and inspection of radiosondes for satellite navigation systems.

2 Normative references

GB/T 191-2008

GB/T 2423.7-2018

GB/T 2828.1-2012

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Temperature in box

The working environment temperature value inside the sonde insulation box.

3.2 Base test

The accuracy of the radiosonde temperature, humidity and air pressure sensors is tested using standard equipment under natural conditions on the ground.

4 Composition

The sonde consists of a meteorological sensor and conversion module, a satellite navigation and data processing module (consisting of a navigation and positioning chip and its peripheral auxiliary modules).

composition), signal transmission module, battery, packaging box, etc.

5.1 Appearance and structure

5.1.1 The appearance of the sonde should be smooth, with no deformation, obvious scratches or pollution on the curved surface; the metal parts should not be rusted or mechanically damaged.