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

GB/T 30290.6-2025

Replacing GB/T 30290.4-2013

**BeiDou satellite positioning vehicle information service system
(VISS) - Part 6: Performance requirements and test methods for
emergency rescue terminal**

北斗卫星定位车辆信息服务系统 第6部分：紧急救援终端性能要求和测试方法

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 6 of GB/T 30290 "BeiDou Satellite Positioning Vehicle Information Service System".

GB/T 30290 has been published. The following section.

- 1.Functional Description;
- 2.Information Exchange Protocol between Vehicle Terminal and Service Center;
- 3.Information Security Specifications;
- 4.Performance Requirements and Test Methods for Vehicle-Mounted Information Terminals;
- 5.Recorder Performance Requirements and Test Methods;
- 6.Performance requirements and test methods for emergency rescue terminals. This document partially replaces GB/T 30290.4-2013 "Satellite Positioning Vehicle Information Service System Part 4.General Specifications for Vehicle Terminals". Compared with GB/T 30290.4-2013, the main technical changes in the "Standard" are as follows, except for structural adjustments and editorial modifications.
 - a) The terms "vehicle tracking," "vehicle location," and "signal acquisition" and their definitions (see 3.1, 3.2, and 3.3 in the 2013 edition) have been removed, and the following have been added. The terms "Vehicle Information Service Center," "Emergency Rescue Terminal," "Acceleration Sensor Unit," and "Emergency Rescue Signal Detection Unit" have been added. "Audio processing unit", "Mute control unit", "Initial positioning time", "Cold start", "Warm start", "Recapture time", "Positioning accuracy" "Degree", "Emergency Rescue Service Center", "M

1 Scope

GB/T 30290.6-2025 is the Chinese national standard covering the terminal that calls for help - the automatic trigger on a crash and the manual button, the position and vehicle data sent with the call, the backup battery and antenna that must survive the impact, and the connection to the rescue centre. Part 6 of the series, new in this revision. It completes the set of six. In force from 1 February 2026. Issued on 5 October 2025, it has been in force since 1 February 2026, replacing GB/T 30290.4-2013.

This document specifies the functional and performance requirements of the emergency rescue terminal in the BeiDou satellite positioning vehicle information service system, and describes the testing... method. This document applies to communication between vehicles and public or dedicated mobile communication networks via BeiDou satellite positioning technology. The design, testing, and application of emergency rescue terminals for information exchange with information service centers. This is achieved through other positioning technologies and communication networks. The design, testing, and application of emergency rescue terminals that interact with vehicle information service centers should be referenced for this purpose.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 4208 Degrees of protection provided by enclosures (IP code) GB/T 13306
Nameplates

GB/T 18655-2025 Radio interference characteristics of vehicles, ships and internal combustion engines - Limits and measurements for protecting onboard receivers method

GB/T 19951-2019 Test methods for the immunity of electrical/electronic components of road vehicles to electrostatic discharge

GB/T 21437.2-2021 Test methods for electrical/electronic interference caused by conduction and coupling in road vehicles - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 30290.1, GB/T 30290.2-2025 and GB/T 30290.3-2025, as well as the following terms and definitions, apply.