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

GB/T 43766-2024

**Technical requirements for driving safety test for intelligent and
connected vehicles**

智能网联汽车运行安全测试技术要求

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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. 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. This document is proposed and coordinated by the National Technical Committee for Road Traffic Management Standardization (SAC/TC576). This document was drafted by: Traffic Management Science Research Institute of the Ministry of Public Security and Beijing Baidu Netcom Technology Co., Ltd. The main drafters of this document are Yuan Jianhua, Wang Changjun, Yu Chunjun, Wu Yunqiang, Qin Zhengxiao, Sun Wei, Fan Zhixiang, Lu Wenjie, Song Dewang and Peng Wei. Technical requirements for operation safety testing of intelligent connected vehicles

1 Scope

GB/T 43766-2024 sets the technical requirements for the driving safety test of intelligent

and connected vehicles, that is the on-road testing of vehicles capable of conditional automated driving and above. It is the document that decides who is allowed to put such a vehicle on a public road in China and under what conditions. It sets the requirements on the vehicle under test, including the event data recorder it must carry, on the test subject, the organisation that takes responsibility, on the test driver or safety supervisor, their qualification, training and duties, and on the test management organisation. It applies to intelligent and connected passenger cars, buses, goods vehicles and special motor vehicles at Level 3 driving automation and above as defined in GB/T 40429-2021. For any manufacturer, supplier or research institute intending to run autonomous test vehicles in China, this is the governing text. It takes effect on 1 October 2024.

This document specifies the test vehicles, test subjects, test drivers or safety officers and Requirements for the test operation management entity. This document applies to Level 3 driving automation (conditional autonomous driving) and above intelligent network vehicles specified in GB/T 40429-2021. The company conducts road operation safety tests on connected vehicles, including intelligent connected passenger cars, buses, trucks and special operation vehicles.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 39732-2020 Automobile event data recording system

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 A car with environmental perception, intelligent decision-making and automatic control, or interaction with external information, and even collaborative control functions.

Note. As shown in Figure 1, a is the intelligent function, b is the network function, and c is the combination of intelligent and network functions. A car with any of a, b, or c is called an intelligent car. A car that only has intelligent functions is called a smart car; a car that only has network functions is called a connected car. Figure