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

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**Technical specifications for driving safety test environment for
intelligent and connected vehicles-Part 1: Public road**

智能网联汽车运行安全测试环境技术条件 第1部分：公共道路

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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.

This document is Part 1 of GB/T 43758 "Technical Conditions for Safety Test Environment of Intelligent Connected Vehicle Operation".

The following parts have been published.

- Part 1: Public roads.

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).

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Introduction

The operation safety test of intelligent connected vehicles is an important part of the test of intelligent connected vehicles.

Finally, intelligent connected vehicles need to further verify their safe driving capabilities in test environments such as public roads and semi-open roads, and improve their The safe driving ability level. The intelligent networked vehicle operation safety test environment is an important basis for conducting intelligent networked vehicle testing and demonstration applications.

GB/T 43758 aims to clarify the safety of intelligent connected vehicles.

The technical conditions for the vehicle operation safety test environment are planned to consist of two parts.

- Part 1: Public roads. The purpose is to specify the specific requirements for the public road test environment for the safe operation of intelligent connected vehicles, including Including operational safety test environments such as urban roads and highways.

- Part 2: Semi-open roads. The purpose is to specify the specific requirements of the

semi-open road test environment for the safe operation of intelligent connected vehicles.

Requirements include operation safety test environments such as factory and mine roads, port roads, park roads, and roads in residential areas.

Technical conditions for the safety test environment of intelligent connected vehicles Part 1:
Public roads

1 Scope

This document specifies the road environment, traffic facilities, traffic control, road lighting, Requirements for traffic operation, road monitoring and communication, and testing assurance.

This document applies to Level 3 driving automation (conditional autonomous driving) and above intelligent network vehicles specified in GB/T 40429-2021.

The selection, construction and determination of public roads for the safety test of connected vehicle operation; the selection, construction and determination of public roads required for the demonstration application of intelligent connected vehicles Construction and confirmation for reference.

2 Normative references

GB 5768.2

GB 5768.3

GB 14886

GB 14887

GB/T 22239-2019

GB/T 24969

GB/T 35785

GB/T 35786

GB/T 35787

GB 50688

GB 51038

GB/T 43766

3 Terms and definitions

The terms and definitions defined in GB/T 43766 and the following apply to this document.