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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 44286.2-2024

Application of cooperative intelligent transportation systems-Part 2: Cooperative driving applications set

合作式智能运输系统应用集 第2部分：车辆协同驾驶应用集

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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.

This document is part 2 of GB/T 44286 "Cooperative Intelligent Transport System Application Set". GB/T 44286 has been published as follows part.

Part 1: Vehicle Assisted Driving Application Set; - Part 2: Vehicle cooperative driving application set. - 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 Standardization of Intelligent Transport Systems (SAC/TC 268).

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Introduction

Autonomous driving and vehicle-road collaboration technologies have shown good development prospects. In order to better meet the development needs of China's intelligent connected driving, Based on the actual road and traffic conditions, define intelligent connected driving applications that are in line with industrial development, and formulate relevant application standards to support assisted driving.

GB/T 44286 "Cooperative Intelligent Transport System Application Set" provides support for intelligent connected driving.

The driving application scenario description and related requirements are planned to consist of two parts.

Part 1: Vehicle Assisted Driving Application Set. The purpose is to specify the application scenarios and basic performance that can be achieved by assisted intelligent driving.

Requirements and basic content of data interaction.

Part 2: Vehicle cooperative driving application set. The purpose is to specify the application scenarios and basic performance that can be achieved by cooperative intelligent driving.

Requirements and basic content of data interaction.

Collaborative Intelligent Transportation System Application Set Part 2: Vehicle cooperative driving application set

1 Scope

This document specifies the application set of vehicle cooperative driving in cooperative intelligent transportation systems, including typical application classification, application definition, and scenarios.

Description, basic performance requirements and basic content of data interaction.

This document is applicable to the development and verification of vehicle collaborative driving application scenarios for cooperative intelligent transportation systems.

2 Normative references

GB/T 44286.1-2024

3 Terms and definitions

The terms and definitions defined in GB/T 44286.1-2024 apply to this document.

3.1 dispatching information

The roadside unit generates driving suggestions for the vehicle based on the driving information of the requesting vehicle and the road traffic conditions.

4 Abbreviations

The following abbreviations apply to this document.

CCP. Cooperative Collective Perception CIP. Cooperative Intersection Passing CLC. Cooperative Lane Change CRVR. Cooperative Reverse Vehicle Routing CSU. Central Service Unit CVM. Cooperative Vehicle Merge EVS. Emergency Vehicle Scheduling GNSS. Global Navigation Satellite System HV. Host Vehicle HV?X. Host Vehicle X ID. Identification ISO :International Standards Organization LR. Location Reference MTVW. Moving Traffic Violation Warning OBU. On Board Unit