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**Technical Requirements and Testing Methods for Field
of Vision Assistant System of Light-Duty Vehicles**
轻型汽车视野辅助系统技术要求及试验方法

(English Translation)

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FOREWORD

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Technical Requirements and Testing Methods for Field of Vision Assistant System of Light-Duty Vehicles

1 SCOPE

This document specifies the technical requirements for field of vision assistant system of light-duty vehicles, and describes the corresponding test methods.

This document applies to the vehicles of category M_1 and N_1 fitted with the field of vision assistant system, while this document may be used as a reference for other vehicles.

Note: In order to avoid confusion, the "field of vision assistant system" in this document is referred to as the "system".

2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

- | | |
|------------------------|---|
| GB 3100 | SI units and recommendations for the use of their multiples and of certain other units |
| GB 11562 | Requirements and measurement methods of light-duty vehicles forward visibility for drivers |
| GB/T 28046.4-2011 | Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads |
| GB/T 34590 (all parts) | Road vehicles—Functional safety |

3 TERMS AND DEFINITIONS

For the purposes of this document, the following terms and definitions apply.

3.1 forward field of vision

the 180° field of vision through the transparent area of the windscreen and other glazed surfaces including side windows

3.2 transparent area

area of a vehicle windscreen or other glazed surface whose light transmittance measured at right angles to the surface is not less than 70%

3.3 field of vision assistant (FVA)

visual information displayed on the vehicle's forward transparent area to assist the perception and decision-making of the driver

3.4 dynamic driving task (DDT)

the behaviors, such as perception, decision-making and execution, required to operate a vehicle, excluding the strategic functions, and including without limitation:

- Lateral vehicle motion control;
- Longitudinal vehicle motion control;
- Object and event detection and response;
- Driving decision-making;

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