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Performance Requirements and Test Methods for Driver
Attention Monitoring System
驾驶员注意力监测系统性能要求及试验方法

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Performance Requirements and Test Methods for Driver Attention Monitoring System

1 Scope

This document specifies the general requirements, performance requirements and test methods for driver attention monitoring systems (hereinafter referred to as “system”).

This document is applicable to the categories M and N vehicles fitted with the driver attention monitoring system that is based on image recognition technology, while other systems that have the same functions may use this document as a reference.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the editions cited apply. For undated references, the latest editions of the normative document (including any amendments) apply.

GB/T 10000	Human dimensions of Chinese adults
GB 10810.3	Spectacle lenses and related eye wear—Transmittance specifications and test methods
GB 34660	Road Vehicles - requirements and test methods of electromagnetic compatibility
GB/T 39263-2020	Road Vehicles - Advanced Driver Assistance Systems - Terms and Definitions

3 Terms and Definitions

For the purposes of this document, the terms and definitions given in GB/T 39263 and the following apply.

3.1

driver attention monitoring system (DAMS)

a system that monitors the driver's state in real time and gives alert information when the driver is verified to be distracted

3.2

distraction

a state in which the driver cannot concentrate in performing driving task due to fatigue driving, external environment interference or behaving unrelated to driving

3.3

abnormal head pose

behavior that the fore-and-aft inclination angle and horizontal rotation angle of the head go beyond the normal range when the driver raises/lowers head, or wags head to the left/right



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