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ICS 33.060
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6058-2024

Overall technical requirements for high-precision positioning for Internet of Vehicles application scenarios

面向车联网应用场景的高精度定位总体技术要求

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Technical requirements

1 Foreword

YD/T 6058-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 2025.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the overall technical requirements based on high-precision positioning for application scenarios such as security, efficiency, and service of the Internet of Vehicles, including the requirements of Internet of Vehicles application scenarios, positioning system architecture, and technical requirements for positioning methods such as GNSS positioning, 5G network positioning, direct link positioning, sensor and high-precision map matching, and roadside perception positioning. This standard applies to the design of high-precision positioning systems for Internet of Vehicles application scenarios.

YD/T 6058-2024 falls under ICS 33.060, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 3710-2020 - Test methods of message layer of LTE-based vehicular communication

YD/T 5120-2026 - Technical Specifications for Indoor Coverage Systems of Wireless Communication

YD/T 3937-2026 - User-plane-based A-BDS positioning technology requirements and testing methods for the Internet of Things (IoT)

YD/T 2879-2026 - Synchronization OAM technical requirements based on packet network

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 30

Prefix YD/T: recommended standard.

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