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ICS 33.100
CCS M04

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4517.3-2023

Electromagnetic compatibility requirements and measurement methods for Internet of Vehicles communication equipment - Part 3: Vehicle Ethernet communication equipment

车联网通信设备电磁兼容性要求和测量方法 第3部分：车载以太网通信设备

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4517-3-2023

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1 Foreword

YD/T 4517.3-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

It is one of 4 parts of the YD/T 4517 series.

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.

2 Scope Preview

This standard specifies the electromagnetic compatibility requirements for automotive Ethernet products or systems used in the Internet of Vehicles, including measurement methods, measurement frequency ranges, limits and performance criteria. This standard applies to products or systems containing vehicle Ethernet ports on road vehicles, including but not limited to vehicle gateways, multi-domain controllers, smart cockpit equipment, etc. containing vehicle Ethernet ports.

YD/T 4517.3-2023 falls under ICS 33.100, 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

Other parts of this standard:

YD/T 4517.1-2024 - Electromagnetic compatibility requirements and measurement methods for vehicle networking communication equipment - Part 1: Roadside wireless communication terminals

YD/T 4517.2-2024 - Electromagnetic compatibility requirements and measurement methods for vehicle networking communication equipment - Part 2: Vehicle-mounted wireless communication terminals

YD/T 4517.4-2024 - Electromagnetic compatibility requirements and measurement methods for vehicle networking communication equipment - Part 4: Vehicle-mounted satellite communication equipment

Standards on related subjects:

YD/T 2583.18-2019 - Requirement and measurement methods of electromagnetic compatibility for cellular mobile telecommunication equipment - Part 18: 5G user equipment and ancillary equipment

YD/T 2583.14-2013 - Requirements and measurement methods of electromagnetic compatibility for cellular mobile telecommunications equipment. Part 14: LTE user equipment and ancillary equipment

YD/T 2436-2012 - Technical requirements and measurement method of the interface of multi mode terminal equipment

5 Classification and status

International classification (ICS): 33.100

Chinese Standard Classification (CCS): M 04

Prefix YD/T: recommended standard.

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