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ICS 33.020
CCS M21

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 4449-2024

## Cloud-based virtual reality based on telecommunication network - Cloud platform technical requirements

基于电信网的云化虚拟现实 云平台技术要求

**(English Translation)**

**Issued on: December 10, 2024** **Implemented on: April 1, 2025**

**Issued by: Ministry of Industry and Information Technology**

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## 1 Foreword

YD/T 4449-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 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 technical requirements for cloud-based virtual reality cloud platforms based on telecommunications networks, including overall technical requirements and business scenario capability requirements, among which the capability requirements are respectively selected from two typical application scenarios of games in strong interactive services and videos mainly for viewing in weak interactive services for detailed explanation. This standard applies to the design, research and development and other related technical links of cloud-based virtual reality cloud platforms.

YD/T 4449-2024 falls under ICS 33.020, 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 3909-2021 - Vehicle emergency call system based on public telecommunication network - Requirements and architecture

YD/T 3910-2021 - Vehicle emergency call system based on public telecommunication network - Technical requirements and test method of the vehicle emergency rescue platform

YD/T 1761-2012 - Technical requirements for web accessibility

YD/T 6645-2026 - Identification and resolution system for the Industrial Internet - Communication system equipment - Identification coding

YD/T 6643-2026 - Computing power network and application for industrial Internet - General technical requirements

YD/T 4452-2023 - Basic requirements for VoLTE user network interface configuration

## 5 Classification and status

International classification (ICS): 33.020

Chinese Standard Classification (CCS): M 21

Prefix YD/T: recommended standard.



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