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ICS 33.020
CCS M04

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6454-2025

Enhanced real-time communication network technical requirements

增强实时通信网络技术要求

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6454-2025

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1 Foreword

YD/T 6454-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 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 enhanced real-time communication networks, including service functions, system overview, network architecture, network element functions and interfaces, terminals, security, and other related functional requirements. This standard applies to enhanced real-time communication services and network equipment supporting enhanced real-time communication services.

YD/T 6454-2025 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 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

YD/T 5271-2026 - Technical Specifications for Software Defined Optical Network Engineering

YD/T 5115-2026 - Technical Specification for Mobile Communication Repeater Engineerin

YD/T 2583.1-2026 - Requirements and measurement methods of electromagnetic compatibility for cellular Mobile telecommunications equipment - Part 1: Base station and ancillary equipment

5 Classification and status

International classification (ICS): 33.020

Chinese Standard Classification (CCS): M 04

Prefix YD/T: recommended standard.

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