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ICS 33.040
CCS M30

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6602-2025

Digital twin network - Requirements of simulation capability for routing equipment in IP bearer network

数字孪生网络IP承载网路由设备孪生体路由模拟能力要求

(English Translation)

Issued on: December 17, 2025 **Implemented on: April 1, 2026**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6602-2025

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1 Foreword

YD/T 6602-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 April 2026.

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 functional requirements for routing simulation capabilities when performing digital twin modeling of IP bearer network routing equipment. This standard applies to the construction of digital twin networks and is used for the design and construction of routing simulation capabilities for IP bearer network equipment twins.

YD/T 6602-2025 falls under ICS 33.040, 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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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): 33.040

Chinese Standard Classification (CCS): M 30

Prefix YD/T: recommended standard.

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