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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4610-2023

Sliced Packet Network (SPN) fine-grained bearer technical requirements

切片分组网络（SPN）细粒度承载技术要求

(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-4610-2023

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1 Foreword

YD/T 4610-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

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 hierarchical model and supported service types of Slice Packet Network (SPN) fine-grained bearer technology in SPN, defines the fine-grained bearer technology frame structure and frame overhead, business mapping multiplexing, and channel cross-functions, and standardizes fine-grained channels. OAM requirements, fine-grained bearer technology channel protection requirements, management and control functions and network performance, etc. This standard is applicable to the research and development, testing and application of SPN equipment supporting fine-grained bearer technology and miniaturized access SPN equipment within the backbone and metropolitan areas.

YD/T 4610-2023 falls under ICS 33.040.20, in the field of telecommunications.

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

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

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 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

GB/T 9771.1-2008 - Single-mode optical fibres for telecommunication -- Part 1: Characteristics of a dispersion unshifted single-mode optical fibre

GB/T 18480-2001 - Specification for submarine optical fiber cables

YD/T 4612-2023 - Technical requirements for time difference return transmission based on satellite and PTP synchronization

YD/T 4611-2023 - Overall technical requirements for software-defined optical network (SDON) management and control system (MCS)

YD/T 4609-2023 - Slice Packet Network (SPN) Southbound Interface Test Method

5 Classification and status

International classification (ICS): 33.040.20

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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