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ICS 33.040
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4752-2024

5G Deep Packet Inspection System Architecture and Functional Technical Requirements

5G深度包检测系统架构与功能技术要求

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4752-2024

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1 Foreword

YD/T 4752-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 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 overall architecture and functional technical requirements of the 5G deep packet inspection system, analyzes some major application scenarios, specifies the reference implementation scheme of the 5G deep packet inspection system, specifies the acquisition function requirements of the detection system for the 5G interface, and the functional technical requirements of related acquisition equipment, for reference by equipment vendors or operators in the industry. This standard applies to the design, development and production of deep packet inspection systems under 5G telecommunications networks, and other 5G private network deep packet inspection systems can also be used as a reference.

YD/T 4752-2024 falls under ICS 33.040, 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 2375-2019 - Technical requirements for high accuracy time synchronization

JT/T 1076-2016 - GNSS System for Operating Vehicles - Technical Specifications for Vehicle Video Terminal

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

YD/T 6684-2026 - IPv6 support index requirements and evaluation methods for internet services - Content distribution network (CDN)

YD/T 3505-2026 - Evaluation index system of carrier network supporting IPv6

YD/T 3118-2026 - Parameters and methods of test for website IPv6 support

5 Classification and status

International classification (ICS): 33.040

Chinese Standard Classification (CCS): M 32

Prefix YD/T: recommended standard.

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