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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4357-2023

Technical requirements for PTN/SPN control integrated network management system for 5G transmission

面向 5G 传输的 PTN/SPN管控融合网络管理系统技术要求

(English Translation)

Issued on: July 28, 2023 **Implemented on: November 1, 2023**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4357-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

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 principle requirements for the PTN/SPN control integrated network management system for 5G transmission. The PTN/SPN control integrated network management system for 5G transmission has network element management functions and subnet management functions, and has topology management, configuration Functional modules such as management, fault management, performance management, security management and control management. It also describes the application of artificial intelligence and big data technology to support the analysis functions of massive alarm and performance data. This standard applies to the design and development of PTN/SPN control integrated network management systems for 5G transmission.

YD/T 4357-2023 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:

YZ/T 0173-2020 - Specifications for regulatory data access of intelligent mail and parcel locker and intelligent self-express service machine

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 1548.1-2007 - 2GHz WCDMA digital cellular mobile communication network terminal equipment testing method (second stage) - Part 1: Basic functions, operations and performance testing

YD/T 6886-2026 - Technical requirements for network and computation cooperation in access and broadband customer network - Application scenario

YD/T 6759-2026 - Requirements and use cases for intelligent operation and management of information & communication network - Slicing packet network (SPN) maintenance

YD/T 4358-2023 - Overall requirements and business architecture for multi-access edge computing for LTE-V2X

5 Classification and status

International classification (ICS): 33.040

Chinese Standard Classification (CCS): M 15

Prefix YD/T: recommended standard.

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