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ICS 33.180
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4302.2-2024

Quantum Key Distribution (QKD) Network - Technical requirements for network management - Part 10: Engineering vehicles

量子密钥分发（QKD）网络 网络管理技术要求 第2部分：EMS-NMS接口功能

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4302.2-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 2025.

It is one of 4 parts of the YD/T 4302 series.

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.

2 Scope Preview

This standard specifies the interface functional requirements between the element management system (EMS) and the network management system (NMS) in the quantum key distribution (QKD) network, including functional requirements such as configuration management, fault management, performance management, and security management. This standard applies to the interface development, testing and operation and maintenance between the element management system (EMS) and the network management system (NMS) of the quantum key distribution (QKD) network.

YD/T 4302.2-2024 falls under ICS 33.180, 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

Other parts of this standard:

YD/T 4302.1-2023 - Management Technical Requirements - Part 1: Network Management System (NMS) Functions

YD/T 4302.3-2024 - Part 2: Metal furniture

YD/T 4302.5-2025 - Technical specification for Quantum Key Distribution(QKD) network management - Part 5: EMS function

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

5 Classification and status

International classification (ICS): 33.180

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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