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ICS 33.060
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4277-2023

5G Mobile Communication Network Core Network Slicing Enhancement Technical Requirements (Phase 1)

5G移动通信网 核心网网络切片增强技术要求（第一阶段）

(English Translation)

Issued on: April 21, 2023 **Implemented on: August 1, 2023**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4277-2023 was issued by Ministry of Industry and Information Technology on 21 April 2023 and has been in force since 1 August 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 overall architecture of 5G mobile communication network core network network slicing enhancement technology, stipulates core network functional requirements, and establishes key processes. This standard applies to the R&D and testing of 5G core network based on independent networking to support network slicing enhancement.

YD/T 4277-2023 falls under ICS 33.060, 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

Standards on related subjects:

YD/T 3711-2020 - Technical requirement of IMS based vehicle eCall system based on public telecommunication network

GB/T 32401-2015 - Technical requirements and measurement methods for VHF/UHF frequency

GB/T 12572-2008 - Universal requirements and measurement methods of parameters for radio transmitting equipment

YD/T 4284.2-2024 - 5G Mobile Communication Network - Technical requirements for non-3GPP access networks to access the 5G core network - Part 2: EMS-NMS interface functions

YD/T 4280-2023 - 5G mobile communication network N4 (core network control plane and user plane) interface technical requirements and test methods

YD/T 4279-2023 - Technical requirements for enhanced core network of 5G mobile communication network for high-reliability and low-latency communication

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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