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ICS 33.060
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4284.1-2023

5G mobile communication network Technical requirements for non-3GPP access network access to 5G core network - Part 1: Untrusted access

5G移动通信网 非3GPP接入网络接入5G核心网技术要求 第1部分：非受信接入

(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 4284.1-2023 was issued by Ministry of Industry and Information Technology on 21 April 2023 and has been in force since 1 August 2023.

It is one of 2 parts of the YD/T 4284 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 technical requirements for non-3GPP access networks to access the 5G core network, focusing on specific functional requirements related to non-3GPP access, including system architecture, interoperability with 4G networks, functional characteristics, network functions, control plane and User plane protocol stack, signaling process, etc. This standard applies to network functions of non-3GPP access networks accessing the 5G core network, including N3IWF, AMF, etc.

YD/T 4284.1-2023 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

Other parts of this standard:

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

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 4277-2023 - 5G Mobile Communication Network Core Network Slicing Enhancement Technical Requirements (Phase 1)

YD/T 4264-2023 - SDN Data Center Switch YANG Model Based on Ethernet Virtual Private Network (EVPN)

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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