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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4281-2023

5G Mobile Communication Network Service Interface Technical Requirements and Test Methods (Phase 1)

5G移动通信网 服务化接口技术要求和测试方法（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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https://chinastandards.org/standards/yd-t-4281-2023

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1 Foreword

YD/T 4281-2023 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 relevant functions and test methods of the service-oriented interface of the core network of 5G mobile communication network based on independent networking. The main content includes service-oriented interface related functions, test content and test methods. This standard is applicable to the functional verification of 5G mobile communication network core network service interfaces Namf, Nsmf, Nudm, Nausf, Npcf, Nnrf, and Nnssf. It can be used as a test scenario for 5G core network related equipment testing, centralized procurement, and network entry inspection in the industry. Reference test specifications below.

YD/T 4281-2023 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 2576.1-2013 - Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (Phase 1) - Part 1: Basic operation, services and reliability test

YD/T 2576.2-2013 - Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1) - Part 2: Radio transmission and reception performance test

YD/T 2307-2011 - Technical requirement and testing methods for general function of mobile telecommunication terminal

YD/T 7386-2026 - 5G Digital Cellular Mobile Telecommunication Network Technical Requirement and Test Method of gNB Equipment for uRLLC (Phase 1)

YD/T 7130-2026 - Airborne communication - Technical requirements for cabin Wi-Fi subsystem

YD/T 4286-2023 - Overall Technical Requirements for 5G Voice Services

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 37

Prefix YD/T: recommended standard.

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