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ICS 35.020
CCS L80

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4219-2023

5G mobile communication network data transfer security technical requirements

5G移动通信网 数据流转安全技术要求

(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-4219-2023

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1 Foreword

YD/T 4219-2023 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 security technical requirements for each flow process in the 5G data life cycle, including 5G data classification, 5G data flow overview, 5G data flow security requirements, etc. This standard applies to the design and implementation of 5G data security mechanisms in 5G mobile communication networks.

YD/T 4219-2023 falls under ICS 35.020, in the field of information technology.

This catalogue holds 725 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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4 Related standards

Standards on related subjects:

GM/T 0130-2023 - Certificateless and implicit-certificate-based public key mechanisms based on the SM2 algorithms

GA/T 1389-2017 - Information Security Technology - Guidelines for Grading of Classified Protection of Cyber Security

YD/T 6818-2026 - Security protection and testing specification of on-board pluggable networking devices

YD/T 6816-2026 - Guidelines for internet of vehicles supply chain cybersecurity risk management

YD/T 6661-2026 - Security architecture of data sharing management based on the distributed ledger technology

5 Classification and status

International classification (ICS): 35.020

Chinese Standard Classification (CCS): L 80

Prefix YD/T: recommended standard.

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