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ICS 35.030
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4953-2024

Technical requirements for shared security of 5G digital cellular mobile communication radio access networks

5G数字蜂窝移动通信无线接入网共享安全技术要求

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4953-2024

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1 Foreword

YD/T 4953-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

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 under the sharing of 5G digital cellular mobile communication wireless access network, and the content mainly includes security requirements in terms of network security, network management open security, business security, data security, and secure operation management. This standard applies to the security planning, construction and operation of 5G networks built using the 5G multi-operator core network (MOCN) network sharing architecture.

YD/T 4953-2024 falls under ICS 35.030, 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.

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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:

GB/T 47325-2026 - Security technical requirements and test methods for over-the-air updates in the internet of vehicles

GB/T 47324-2026 - Cybersecurity protection requirements for internet of vehicles platforms

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 4956-2024 - 5G core network security technical requirements for hybrid private network mode

YD/T 4955-2024 - Security technical requirements for service enabling architecture layer for vertical industries

YD/T 4952-2024 - Guidelines for the Security Management of Telecommunications Network and Internet Data Cooperation

5 Classification and status

International classification (ICS): 35.030

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

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