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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4697-2024

Security protection requirements for virtualization management and orchestration of 5G mobile communication networks

5G移动通信网虚拟化管理和编排安全防护要求

(English Translation)

Issued on: March 29, 2024 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4697-2024 was issued by Ministry of Industry and Information Technology on 29 March 2024 and has been in force since 1 July 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 protection requirements for 5G mobile communication network virtualization management and orchestration according to security protection levels, involving application security, network security, equipment security, data security, physical environment security and management security. This standard is applicable to the virtualization management and orchestration of 5G mobile communication networks constructed and operated by basic telecommunications business operators independently or in cooperation with third parties.

YD/T 4697-2024 falls under ICS 35.02, 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 6017.6-2026 - The capability evaluation system of cyber security product - Part 6: Evaluation method of cyber deception (honeypot)

YD/T 6017.4-2026 - The capability evaluation system of cyber security products - Part 4: Security products testing methods based on deployment methods

YD/T 4693-2024 - General security protection testing requirements for 5G multi-access edge computing platforms

5 Classification and status

International classification (ICS): 35.02

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

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