Chinastandards.org

ICS 33.040.01
CCS M10

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4955-2024

Security technical requirements for service enabling architecture layer for vertical industries

面向垂直行业的服务使能架构层安全技术要求

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4955-2024

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Technical requirements

1 Foreword

YD/T 4955-2024 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 functions and mechanisms that support the service enabling architecture layer (SEAL) for vertical industries in 5G mobile communication network systems. It mainly includes security architectures, functional models, security aspects of SEAL-related interfaces (such as SEAL-UU), key management processes, identity management processes, and SEAL access authentication and authorization used to support efficient use and deployment of vertical applications in 5G mobile communication network systems. This standard is applicable to the security design and development of the service enabling architecture layer for vertical industries in 5G mobile communication network systems.

YD/T 4955-2024 falls under ICS 33.040.01, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4955-2024

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

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 4953-2024 - Technical requirements for shared security of 5G digital cellular mobile communication radio access networks

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

5 Classification and status

International classification (ICS): 33.040.01

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4955-2024