Chinastandards.org

ICS 33.060
CCS M11

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4539-2023

Interoperability requirements and test methods for near field communication (NFC)-based mobile communication terminals and contactless point-of-sale (PoS)

基于近场通信（NFC）的移动通信终端和非接触式销售点（PoS）的互操作要求和测试方法

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 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-4539-2023

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 4539-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 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 technical requirements and test methods for interoperability between near field communication (NFC) mobile payment terminals and contactless point of sale (PoS), including performing operations such as card swiping transactions, balance inquiries, and historical transaction record inquiries. This standard applies to terminals with NFC mobile payment functions, including mobile phones and other wearable smart terminals.

YD/T 4539-2023 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.

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4539-2023

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 41301-2022 - Management requirements of IPv6 address in intelligent manufacturing environments

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

YD/T 1548.1-2007 - 2GHz WCDMA digital cellular mobile communication network terminal equipment testing method (second stage) - Part 1: Basic functions, operations and performance testing

YD/T 4542-2023 - Unified configuration of mobile service identification rules and technical requirements for unified traffic payment equipment

YD/T 4541-2023 - Overall technical requirements for unified configuration of mobile service identification rules and unified traffic payment

YD/T 4540-2023 - Indicator requirements and evaluation methods for an open platform for instant messaging basic service capabilities based on mobile Internet

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 11

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-4539-2023