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ICS 35.100.70
CCS L79

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 4333-2023

## Technical requirements for the operation of top-level domain name resolution system security extension protocol

顶级域名解析系统安全扩展协议运行技术要求

**(English Translation)**

**Issued on: July 28, 2023** **Implemented on: November 1, 2023**

**Issued by: Ministry of Industry and Information Technology**

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## 1 Foreword

YD/T 4333-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 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 technical requirements and related operation and management requirements for the deployment and implementation of the domain name security extension protocol for top-level domain name resolution systems. This standard applies to the deployment and implementation of domain name security extension protocols in top-level domain name resolution systems.

YD/T 4333-2023 falls under ICS 35.100.70, 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 17969.1-2015 - Information technology -- Open systems interconnection -- Procedures for the operation of OSI registration authorities -- Part 1: General procedures and top arcs of the International Object Identifier tree

GB/T 17143.7-1997 - Information technology. Open Systems Interconnection. Systems Management. Part 7: Security alarm reporting function

GB/T 17143.4-1997 - Information technology. Open Systems Interconnection. Systems Management. Part 4: Alarm reporting function

YD/T 4334-2023 - Technical requirements for the operation of authoritative domain name resolution system security extension protocol

YD/T 4332-2023 - Framework of technical requirements for the overall operation of domain name resolution system security extension protocol

YD/T 4331-2023 - Domain Name System Security Extensions (DNSSEC) Verification Process Technical Requirements

## 5 Classification and status

International classification (ICS): 35.100.70

Chinese Standard Classification (CCS): L 79

Prefix YD/T: recommended standard.



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