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ICS 33.040.40
CCS L79

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4432.1-2023

Source Address Authentication Between Domains (SAVA-X) Technical Requirements - Part 1: Control Plane

域间源地址验证（SAVA-X）技术要求 第1部分：控制平面

(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 4432.1-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

It is one of 6 parts of the YD/T 4432 series.

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.

2 Scope Preview

This standard specifies the technical requirements for the control plane in the inter-address domain source address verification scheme, including stipulating the functions of the control plane, the design of the alliance chain, node access and access, state machine maintenance based on the alliance chain, and time synchronization mechanism. This standard applies to true source address verification schemes for the IPv6 Internet.

YD/T 4432.1-2023 falls under ICS 33.040.40, 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.

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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

Other parts of this standard:

YD/T 4432.2-2023 - Interdomain Source Address Authentication (SAVA-X) Technical Requirements - Part 2: Data Plane

YD/T 4432.3-2023 - Interdomain Source Address Authentication (SAVA-X) Technical Requirements - Part 3: Control Server and Border Router Communication Protocol

YD/T 4432.4-2023 - Source Address Validation Between Domains (SAVA-X) Technical Requirements - Part 4: Guidelines for the Creation, Selection, and Registration of Address Domains

YD/T 4432.5-2023 - Interdomain Source Address Authentication (SAVA-X) Technical Requirements - Part 5: Address Domain Deployment

YD/T 4432.6-2026 - Technical requirements for the inter-domain source address validation (SAVA-X) - Part 6: operation, administration, and maintenance (OAM)

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

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): L 79

Prefix YD/T: recommended standard.

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