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ICS 33.040.40
CCS L79

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4432.2-2023

Interdomain Source Address Authentication (SAVA-X) Technical Requirements - Part 2: Data Plane

域间源地址验证（SAVA-X）技术要求 第2部分：数据平面

(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 4432.2-2023 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 data plane in the inter-domain source address verification scheme, including the state machine mechanism, label generation and update method, label message format, label processing flow on the router, and packet-by-packet signature content. This standard applies to true source address verification schemes between IPv6 Internet address domains.

YD/T 4432.2-2023 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 4432.1-2023 - Source Address Authentication Between Domains (SAVA-X) Technical Requirements - Part 1: Control Plane

YD/T 4432.3-2023 - 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 - 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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