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ICS 35.100.05
CCS L79

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 1295-2003

Technical specification for routing protocol based on IPv6. OSPF protocol

支持IPv6的路由协议技术要求——开放最短路径优先协议(OSPF)

(English Translation)

Issued on: December 30, 2003 **Implemented on: December 30, 2003**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 1295-2003 was issued by Ministry of Industry and Information Technology on 30 December 2003 and took effect the same day.

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 30 pages in English translation.

2 Scope Preview

This standard specifies the OSPFv3 routing protocol support IPv6 technical requirements, including protocol data structures, protocol packet format and its processing, LSA format and its treatment, flooding, routing table structure and calculation requirements. This standard applies to the IPv6 network support OSPFv3 routing protocols related products.

YD/T 1295-2003 falls under ICS 35.100.05, 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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Issued by: Ministry of Industry and Information Technology

English translation: about 30 pages (approximate)

Chinese original: about 45,465 characters

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 6547-2025 - Configuration requirement for 1XPs' bgp communities attribute

YD/T 6543-2025 - Requirements of the greenhouse gas emission accounting and reporting - Communication base station

YD/T 6116.2-2025 - Computing Power Interoperability Requirements - Part 2: Computing Power Scheduling

5 Classification and status

International classification (ICS): 35.100.05

Chinese Standard Classification (CCS): L 79

Prefix YD/T: recommended standard.

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