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ICS 33.040.40
CCS L78

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4785.1-2024

SRv6 Control Plane Technical Requirements - Part 1: ISIS Protocol Extensions

SRv6控制面技术要求 第1部分：ISIS协议扩展

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4785.1-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

It is one of 5 parts of the YD/T 4785 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 ISIS protocol extension of the segment routing (SRv6) control plane based on the IPv6 data plane, including the new provisions of the node's notification of SRv6 support capability, the node's notification of the maximum segment identification depth supported by SRv6, various ISIS protocol extension SIDs and their Sub-TLVs, etc. This standard applies to network devices and systems that use ISIS as the IGP protocol to announce and learn SRv6 related information under SRv6 networking.

YD/T 4785.1-2024 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 4785.2-2024 - Part 2: OSPFv3 Protocol Extensions

YD/T 4785.3-2024 - Part 3: BGP-LS Protocol Extension

YD/T 4785.4-2024 - Part 4: BGP SRv6 Policy Protocol Extension

YD/T 4785.5-2024 - Part 5: PCEP Protocol Extensions

Standards on related subjects:

CJ/T 188-2018 - Technical requirements of utility meters data transmission

YDC 079-2009 - Technical Specifications and Testing Methods of Wireless LAN for Mobile Terminals

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): L 78

Prefix YD/T: recommended standard.

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