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ICS 33.040.40
CCS L78

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4786-2024

SRv6 network fault protection test method

基于SRv6网络故障保护测试方法

(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 4786-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

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 test methods for segment routing (SRv6) network fault protection based on the IPv6 data plane, including SRv6 TI-LFA capability test, SRv6 intermediate node fault protection capability test, SRv6 tail node fault protection capability test, SRv6 anti-microloop capability test and SRv6 end-to-end protection capability test. This standard is applicable to the research and development, testing and application of network equipment supporting SRv6 network fault protection.

YD/T 4786-2024 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

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

YD/T 4785.2-2024 - SRv6 Control Plane Technical Requirements - Part 2: OSPFv3 Protocol Extensions

YD/T 4785.1-2024 - SRv6 Control Plane Technical Requirements - Part 1: ISIS Protocol Extensions

YD/T 4784-2024 - Technical requirements for service chains based on SRv6

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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