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ICS 33.040.40
CCS M32

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 6275-2024

## Technical requirements for two-dimensional intra-domain routing protocol based on OSPF protocol

基于OSPF协议的域内二维路由协议技术要求

**(English Translation)**

**Issued on: December 10, 2024** **Implemented on: April 1, 2025**

**Issued by: Ministry of Industry and Information Technology**

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## 1 Foreword

YD/T 6275-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

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 technical requirements for the two-dimensional routing protocol within the domain based on the Open Shortest Path First protocol (OSPF), mainly including the message format, the interaction process between routers, the routing calculation process, the storage structure of the routing table and the configuration of the router. This standard is applicable to the two-dimensional routing protocol based on the OSPF protocol in the IPv6 scenario within the autonomous domain.

YD/T 6275-2024 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:

YD/T 2375-2019 - Technical requirements for high accuracy time synchronization

JT/T 1076-2016 - GNSS System for Operating Vehicles - Technical Specifications for Vehicle Video Terminal

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

YD/T 6274-2024 - Technical requirements for two-dimensional intra-domain routing protocol based on IS-IS protocol

YD/T 6265-2024 - Technical specification for quantum secure communication application equipment based on transport layer cryptographic protocol

YD/T 6268-2024 - Technical requirements for configuration of virtual broadband remote server based on FDN

## 5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): M 32

Prefix YD/T: recommended standard.



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