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ICS 33.040.40
CCS L78

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4964-2024

BGPsec Technical Requirements BGPsec Protocol

(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 4964-2024 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 extension protocol (BGPsec) that provides path security mechanisms for Border Gateway Protocol (BGP) routing announcements, including BGPsec UPDATE messages, BGPsec path attributes, BGP source verification, etc. This standard applies to scenarios such as data center networks, operator networks and content service provider networks using the BGP protocol.

YD/T 4964-2024 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 5080-2026 - Technical Specifications for Network Management System of Optical Cable Transmission Engineering

YD/T 4839.3-2026 - Technical requirements for collaborative management and control of IP network and optical network - Part 3: Interface information model between coordination layer and single domain management control system

YD/T 4963-2024 - DNSSEC protocol testing method

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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