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ICS 33.040.40
CCS L78

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 4622-2023

## BGPsec technical requirements algorithm, key format and signature format

BGPsec技术要求 算法、密钥格式和签名格式

**(English Translation)**

**Issued on: December 20, 2023** **Implemented on: April 1, 2024**

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

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## 1 Foreword

YD/T 4622-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 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 specific content of the BGPsec algorithm, key format and signature format. The content includes: digital signature algorithm and parameters, hash algorithm and parameters, allocation and classification of algorithm identifiers, public key and private key formats and signature formats. This standard applies to the design and use of BGPsec algorithms, keys and signatures.

YD/T 4622-2023 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 4621-2023 - BGPsec technical requirements BGPsec protocol support requirements for autonomous system (AS) migration

YD/T 4620-2023 - BGPsec technical requirements Router key management

YD/T 4619-2023 - BGPsec technical requirements Router certificate rotation

## 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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