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ICS 33.040.40
CCS L78

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4621-2023

BGPsec technical requirements BGPsec protocol support requirements for autonomous system (AS) migration

BGPsec技术要求 自治系统（AS）迁移的BGPsec协议支持要求

(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 4621-2023 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 considerations and solutions to support secure migration of autonomous systems (AS) under the BGPsec protocol. The main contents include: RPKI precautions, source verification, path verification, outbound solutions, and inbound solutions. At the same time, it stipulates support for autonomous system (AS) secure migration operations under the BGPsec protocol framework to ensure that unacceptable security risks will not be caused during the migration process. This standard applies to the secure migration of autonomous systems (AS) under the BGPsec protocol.

YD/T 4621-2023 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 4622-2023 - BGPsec technical requirements algorithm, key format and signature format

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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