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ICS 33.040.40
CCS L78

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 4469-2023

## Segment Routing Protocol Extension BGP-LS

段路由协议扩展 BGP-LS

**(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 4469-2023 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 extension of the BGP link state address family. The BGP link state includes node parameters, link parameters and prefix parameters. The extension of these parameters adds the TLV of segment routing information and uses the link state routing protocol (OSPF, IS-IS, OSPFv3) to collect and report these segment routing information, and then publish these segment routing information through BGP. This standard applies to data switching equipment in the field of data communications, including routers and switch equipment.

YD/T 4469-2023 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 4462-2023 - Software-defined wide area network (SD-WAN) value-added service technical requirements Agile operation and maintenance

YD/T 4461-2023 - Software-defined wide area network (SD-WAN) value-added service technical requirements WAN acceleration

YD/T 4460-2023 - Software-defined wide area network (SD-WAN) key technical indicator system

## 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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