

ICS 33.040.40
CCS L78

YD

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YD/T 6731-2026

**Technical requirements for border gateway protocol (BGP)
link-state shortest path first (SPF) routing protocol**

边界网关协议（BGP）链路状态最短路径优先路由协议技术要求
(English Translation)

Issued on: March 11, 2026

Implemented on: June 1, 2026

Issued by: Ministry of Industry and Information Technology

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Foreword

YD/T 6731-2026 is a recommended industry standard of the People's Republic of China in the Telecom sector, approved and issued by the Ministry of Industry and Information Technology on 11 March 2026, with effect from 1 June 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.040.40; CCS L78.

1 Scope

YD/T 6731-2026 specifies the technical requirements for the border gateway protocol (BGP) link-state shortest path first (SPF) routing protocol. The content includes an overview of the protocol, its relationship with BGP, the peer model of the BGP link-state SPF routing protocol, and the protocol and algorithm procedures. It applies to network devices that support the BGP link-state shortest path first routing protocol.

Router and switch vendors, operators of large networks and test engineers can use it when implementing, selecting or checking this routing protocol. It is a voluntary industry standard (code with /T) of the communications sector, approved by the Ministry of Industry and Information Technology. It was issued on 11 March 2026 and takes effect on 1 June 2026. It is a new standard and replaces no earlier edition.