

ICS 33.040
CCS L78

YD

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

YD/T 6879-2026

**IPv6 multicast source routing (MSR6) control protocol technical
requirements**

IPv6组播源路由（MSR6）控制协议技术要求
(English Translation)

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and definitions

Foreword

YD/T 6879-2026 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 1 June 2026, with effect from 1 September 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.040; CCS L78.

1 Scope

The document specifies the control protocol requirements for IPv6 multicast source routing (MSR6). It deals with the extensions that allow a range of protocols to support MSR6: IS-IS (Intermediate System to Intermediate System), OSPFv3 (Open Shortest Path First version 3), BGP-LS (BGP Link State), BGP VPN, BGP Policy and PCEP Policy (Path Computation Element Protocol policy). Each of these protocols needs extensions before it can carry the information needed for MSR6 multicast forwarding.

The standard is used to guide the design, development and testing of the control protocols of MSR6 devices. Router and switch manufacturers, protocol software developers, operators and test laboratories are typical users. It is a voluntary standard (code with /T). It was approved by the Ministry of Industry and Information Technology, issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.