

ICS 33.040.40
CCS L78

YD

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

YD/T 7053-2026

**Technical requirements for dynamic host configuration
protocol for IPv6 extensions of segment routing over IPv6**

支持SRv6的动态主机配置协议（DHCPv6）扩展技术要求

(English Translation)

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Foreword

YD/T 7053-2026 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 33.040.40; CCS L78.

1 Scope

YD/T 7053-2026 specifies technical requirements for the extension of the Dynamic Host Configuration Protocol for IPv6 (DHCPv6) so that it supports Segment Routing over IPv6 (SRv6), and the requirements for the business processing flow.

The document applies to the research, design, development and deployment of network devices that support allocating an SRv6 Locator through the Dynamic Host Configuration Protocol. Equipment manufacturers, network designers and operators who deploy SRv6 networks are its likely users. It is a voluntary industry standard, as the /T in the code shows, approved by the Ministry of Industry and Information Technology. It was issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.