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CCS L78

YD

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

YD/T 6912.4-2026

**Technical requirements for Bit Index Explicit Replication (BIER)
control plane - Part 4: Extension for Border Gateway Protocol -
Link State (BGP-LS)**

位索引显式复制（BIER）控制面技术要求 第4部分：边界网关协议-链路状态（BGP-LS）扩展

(English Translation)

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Foreword

YD/T 6912.4-2026 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.

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1 Scope

This document specifies the technical requirements for the extension of Border Gateway Protocol - Link State (BGP-LS) in the Bit Index Explicit Replication (BIER) control plane. It covers the BIER information that is advertised and the corresponding BGP-LS encapsulation format.

It applies to scenarios where BIER-capable network devices use BGP-LS to exchange control plane information, and also to the technical research, development and testing of BIER-capable network devices. Equipment manufacturers, software developers and test laboratories are the likely users. The /T in the code indicates a voluntary standard. 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, and it forms the fourth part of the series on the BIER control plane.