

ICS 33.040.40
CCS L78

YD

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

YD/T 6912.1-2026

**Technical requirements for Bit Index Explicit Replication (BIER)
control plane - Part 1: Extension for ISIS**

位索引显式复制 (BIER) 控制面技术要求 第1部分: 中间系统到中间系统 (ISIS)
协议扩展

(English Translation)

Issued on: June 1, 2026

Implemented on: September 1, 2026

Issued by: Ministry of Industry and Information Technology

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Foreword

YD/T 6912.1-2026 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

This document sets out the technical requirements for the extension of the Intermediate System to Intermediate System (ISIS) protocol in the Bit Index Explicit Replication (BIER) control plane. It covers the newly defined BIER information sub-TLV, the BIER MPLS encapsulation sub-TLV and related items.

It applies to the design, development and testing of network devices and systems in BIER networks that use ISIS as the interior gateway protocol (IGP) to advertise and learn BIER-related information. Equipment manufacturers, software developers and test laboratories are typical users. The /T in the code shows that it is voluntary. The Ministry of Industry and Information Technology approved it; it was issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard, and it is the first part of a series on the BIER control plane.