

ICS 33.040.40
CCS L78

YD

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

YD/T 6912.2-2026

**Technical requirements for Bit Index Explicit Replication (BIER)
control plane - Part 2: Extension for OSPFv2/ OSPFv3**

位索引显式复制（BIER）控制面技术要求 第2部分：开放最短路径优先版本2/开
放最短路径优先版本3（OSPFv2/OSPFv3）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 6912.2-2026 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

The document specifies the technical requirements for the extension of the Open Shortest Path First version 2 (OSPFv2) and version 3 (OSPFv3) protocols in the Bit Index Explicit Replication (BIER) control plane. These include the newly defined BIER information sub-TLV, the BIER MPLS encapsulation sub-TLV and related items.

It applies to network devices and systems in BIER networks that use OSPFv2 or OSPFv3 as the interior gateway protocol (IGP) to advertise and learn BIER-related information. Equipment manufacturers and software developers who implement the extensions, and laboratories that test them, can use it. The /T in the code marks it as 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 is the second part of the BIER control plane series.