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YD

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

YD/T 6992-2026

Test method of bit index explicit replication (BIER)

位索引显式复制 (BIER) 测试方法

(English Translation)

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Foreword

YD/T 6992-2026 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 specifies the test methods for Bit Index Explicit Replication (BIER), a multicast forwarding technology. The tests described are the networking test with BIER MPLS encapsulation, the networking test with BIER IPv6 encapsulation, the BIER network reliability test and the test of the operation, maintenance and management capability of a BIER network, among others. It applies to the testing of network equipment that supports BIER technology.

Test laboratories, equipment manufacturers and telecommunications operators use it when they verify that routers and other network devices handle BIER traffic as intended, for example during product development or acceptance testing. The standard is voluntary, as the /T in its code shows. It was issued by the Ministry of Industry and Information Technology on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.