

ICS 33.040.40
CCS L78

YD

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

YD/T 7045-2026

**Fixed broadband network core network - General architecture
and technical requirements**

固定宽带核心网 总体架构及技术要求

(English Translation)

Issued on: June 1, 2026

Implemented on: September 1, 2026

Issued by: Ministry of Industry and Information Technology

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and definitions

Foreword

YD/T 7045-2026 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 7045-2026 specifies the general architecture and the technical requirements of the fixed broadband core network. It covers the concept of the fixed broadband core network, the system architecture, the functional features and the service framework. The document applies to the development and testing of fixed broadband core network equipment, and to the planning, construction, operation, maintenance and optimization of the related networks.

The standard is used by network equipment manufacturers, telecom operators, network designers and test laboratories involved in fixed broadband core networks. It is a voluntary industry standard, as shown by the /T in its code. 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.