

ICS 33.180.01
CCS M33

YD

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

YD/T 7041.1-2026

**Software and hardware materials information description
requirements of optoelectronic components in optical
communication - Part 1: Erbium Doped Fiber Amplifier (EDFA)**

光通信用光电器件软硬件物料信息描述要求 第1部分：掺铒光纤放大器
(English Translation)

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Foreword

YD/T 7041.1-2026 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 33.180.01; CCS M33.

1 Scope

YD/T 7041.1-2026 is the first part of a series on software and hardware material information of optoelectronic components in optical communication, and deals with the erbium doped fiber amplifier (EDFA). It defines the terms, definitions and abbreviations, specifies requirements for the composition framework of material information, the layering and classification of materials, and identification and description, and describes a scheme for assessing the supply chain security level of the EDFA. The document applies to the design, development, production, use and inspection of EDFAs for optical communication. Other doped fiber amplifiers may use it as a reference.

The standard is useful to amplifier manufacturers, component suppliers, equipment vendors, telecom operators and inspection bodies. 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.