

ICS 33.060
CCS M30

YD

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

YD/T 7030-2026

**Core network technical requirements for 5G Non-terrestrial
Network (Phase I)**

支持卫星接入的5G核心网技术要求（第一阶段）
(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions

Foreword

YD/T 7030-2026 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 33.060; CCS M30.

1 Scope

YD/T 7030-2026 establishes the system architecture of the 5G core network supporting satellite access and satellite backhaul. It specifies the requirements for functional entities and the high-level functions and features, and describes the related message flows. The document applies to the development and testing of 5G core network functions that support satellite access and satellite backhaul in the transparent forwarding mode, in which the satellite relays the signal without processing it. This is the first phase of the technical requirements.

The standard is used by core network equipment manufacturers, satellite communication system suppliers, mobile network operators and test laboratories. 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.