

ICS 33.050.01
CCS M32

YD

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

YD/T 6706-2026

**Technical specification of quantum secure communication
application equipment used for VoIP service**

用于VoIP业务的量子保密通信应用设备技术规范

(English Translation)

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Foreword

YD/T 6706-2026 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 11 March 2026, with effect from 1 June 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.050.01; CCS M32.

1 Scope

YD/T 6706-2026 sets out the technical requirements for quantum secure communication application equipment used for VoIP services. It covers the composition of the encrypted communication system, the cryptographic algorithms and the kinds of keys used, the functional and performance requirements, and the secure service procedures. The document also describes the corresponding test methods. It applies to the development, testing and use of quantum secure communication application equipment for VoIP services.

Manufacturers of such equipment, test laboratories that verify it, and telecom operators or enterprises that deploy secured voice services will find the document useful when specifying, developing or evaluating products. It is a voluntary industry standard (code with /T) of the communications sector, approved by the Ministry of Industry and Information Technology. It was issued on 11 March 2026 and takes effect on 1 June 2026. It is a new standard.