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YD

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

YD/T 6704-2026

**Technical requirements for Mk interface of Quantum Key
Distribution (QKD) network**

量子密钥分发（QKD）网络 Mk接口技术要求
(English Translation)

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Foreword

YD/T 6704-2026 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 33.040.99; CCS M14.

1 Scope

YD/T 6704-2026 specifies the technical requirements for the Mk interface of a quantum key distribution (QKD) network. The Mk interface sits between the network management system and the key manager. The document covers the functional requirements of the interface, the data requirements, the interaction procedures, the communication protocol and the alarm handling mechanism. It applies to the development and use of the interface through which the network management system and the key manager collect data from each other and carry out interactive operations.

The standard is used by developers of QKD network management systems and key managers, by equipment suppliers integrating the two, and by network operators who deploy and run QKD networks. It is a voluntary industry standard of the communications sector (the code carries the /T suffix). It was approved by the Ministry of Industry and Information Technology, issued on 11 March 2026 and takes effect on 1 June 2026. It is a new standard and does not replace an earlier edition.