

ICS 33.040.40
CCS L78

YD

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

YD/T 6916-2026

**Security technical requirements for quick UDP internet
connections (QUIC) based on transport layer security protocol
(TLS)**

**基于传输层安全协议（TLS）的快速UDP网络连接（QUIC）安全技术要求
(English Translation)**

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Foreword

YD/T 6916-2026 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 6916-2026 specifies the core operational technical requirements for using the Transport Layer Security (TLS) protocol to provide security protection, including key agreement, communication encryption and integrity, for Quick UDP Internet Connections (QUIC). The content includes requirements for TLS message transmission, interaction interfaces, identity authentication, session resumption, 0-RTT, key switching and selection, and adaptation.

The document applies to application scenarios such as large-scale real-time communication and mobile applications that use QUIC to improve network transmission performance and strengthen security. Protocol stack developers, application and equipment suppliers and security test laboratories are typical users. The /T in the code means it is voluntary. The Ministry of Industry and Information Technology approved it; it was issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard.