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DL

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

DL/T 5734-2016

**Design technical specification of ultra-long haul optical
transmission engineering of electric power communication**

电力通信超长站距光传输工程设计技术规程

(English Translation)

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What this standard covers

This standard is suitable for the design of ultra long station distance from 2.5, 10Gbit/s ultra long station from SDH system and 40x10Gbit/s single span ultra long station away from wavelength division multiplexing system (WDM) optical communication project. The design of optical communication engineering system shall be carried out in accordance with this standard and DL/T 5404 and related regulations for the technical design of power system synchronous digital series (SDH) optical cable communication. The design of ultra long station from the optical transmission project should carry out the basic principles of "integrity, unity, advanced" and "economic, efficient and safe" in the communication network, and carry out the technical standards of the related power industry and communication industry in China. The design of ultra - long station from optical transmission should be related to the development plan of electric power communication

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Standards quoted by this document

GB/T 9771; GB/T 16849; GB/T 18898.1; GB/T 20184; DL/T 5404; YD/T 1274-2003; YD/T 1990; IEEE 802.3; ITU-T G.664; ITU-T G.667; ITU-T G.703; ITU-T G.707; ITU-T G.709; ITU-T G.959.1; ITU-T G.975; ITU-T G.7712