

Provincial-level optical transmission network planning

Tran Quoc Cuong

Abstract: This topic focuses on analyzing and proposing suitable optical transmission network planning options for the provincial level, aiming to meet the increasing data transmission speed requirements. Combining theoretical research and experimentation, the study will evaluate the effectiveness of modern techniques in optimizing optical network infrastructure. The goal is to establish a flexible planning system that meets future bandwidth and reliability requirements. Expected results from this research include building a solid technical foundation for deploying optical network projects at the provincial level, contributing to the promotion of information technology development in local areas.

Keywords: Network planning, Optical transmission, Transmission engineering, Information technology, Performance evaluation