

Assessment of the current status and planning of the optical transmission network in Thai Nguyen city area

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Abstract: In the context of rapidly increasing information demand in Thai Nguyen city, this topic evaluates the current state of the existing optical transmission network infrastructure. The objective of the study is to identify weaknesses and propose planning solutions to improve service quality and resource utilization efficiency. The methodology includes analyzing data from telecommunications service providers, conducting field surveys, and simulating network models. The expected outcome is to develop an optical network planning framework suitable for the city's socio-economic development requirements.

Keywords: Optical transmission network planning, telecommunications infrastructure, Thai Nguyen City, field survey, network simulation