

Design of WDM optical information network for Song Ma District - Son La

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Abstract: The topic aims to solve the optimization problem of Wavelength Division Multiplexing (WDM) optical information networks in Song Ma District, Son La Province. Through research and assessment of actual needs, a WDM system design suitable for geographical conditions and usage requirements is proposed. The applied methods include both theoretical analysis and practical testing on the existing network. The expected results will provide an effective solution for improving the quality of information services in the locality, contributing to socio-economic development.

Keywords: WDM, optical network design, Song Ma District, Son La