

COMPARATIVE ANALYSIS OF COMMUNICATION AND INTERNET TRANSMISSION MEDIA

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ABSTRACT

This work takes a view on three different communication and internet transmission media commonly used in telecommunication. The structure and working principle is reviewed alongside the recent developments in cabling standards and applications. Comparison is made based on the properties of the individual medium, signal impairments and other factors that affect transmission media in a network. It also demonstrates how problems due to signal impairments can be mitigated and how various media can be optimized in a network. A broad overview of the media properties and application is given, in order to enable network designers and potential investors choose a suitable medium for their network and environment.

KEYWORDS: Fibre, Transmission, Media, Internet, Copper, Wireless