Abstract

In many countries including Tanzania access network is still predominantly made up of the copper cable or point to point wireless connections. This has kept the network in large proportions passive, inflexible and relatively unreliable. Software based traffic separation at the access layer is a technique that is used to reduce the number of physical links to customer premises. This paper performs quality analysis for voice transmitted through such links (i.e. logical links) and it is observed that there is no major difference as to when dedicated physical links are used.

References

- Telia AB , Ericsson AB, Studentlitteratur AB, (2009) "Understanding Telecommunications".
- Wolfgang Braun and Michael Menth, "Software-Defined Networking Using
Voice Quality Analysis for Software based Traffic Separation at the Access Layer of Hierarchical Design Model

OpenFlow: Protocols, Applications and Architectural Design Choices; future internet ISSN 1999-5903 Published: 12 May 2014, pp 302-336
- Diane, T. (1999), Designing Cisco Networks, Cisco Press, USA.
- Intel Corporate White Paper (2004), Wi-Fi and WiMAX Solutions, &quot;Understanding Wi-Fi and WiMAX as Metro-Access Solutions;&quot;.

**Index Terms**

Computer Science

Networks

**Keywords**

CPE ISP MPLS PE and WiMAX