

Title: Multiplexing Wireless Traffic in UMTS over IP-Networks

Abstract:

For the transmission of voice traffic in IP-networks the commonly used protocol suite for realtime data transfer in IP-networks leads to a very large protocol overhead for voice data and a poor bandwidth utilization. Multiplexing the packets of several voice connections on a common route into one IP packet overcomes this problem. We present an analytical performance evaluation of that scenario and provide numerical results.