

Abstract Details

Title: Throughput Performance Analysis for VOIP over UMTS Networks

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Abstract: Now days 3G/UMTS Network had been the challenge in the Network environment. The goal of the project is to study the cellular system of mobile the third generation network UMTS and what the application and services that the UMTS network offers. What is the requirements for VoIP to be implemented on the UMTS, and the operation of VoIP in the UMTS Network .The experiment had been carried out using OP-NET software based on throughput and mean opinion score (MOS) parameters. We studied and discussed the throughput and mean opinion score performance for VoIP in UMTS network in different scenarios, and then compare and analyzing the results to evaluate the performance of VoIP. The results show that the proper adaptation of QoS provides the best performance.

Keywords: VoIP, OPNET, UMTS, Throughput, MOS.