

HANDLING PRIORITY CALLS USING RENEGING IN WIRELESS MOBILE NETWORK

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Abstract

This paper focuses on the problem of congestion control in cellular network. Due to use of mobile devices demand to need different communication requirement are required. However channel capacity is always a issue so application demand and allocation could lead to congestion if the network has to maintain such high resources for the quality of service (QoS) requirements of the applications. A new control policy is proposed to identified the load of the channel. In this approach two kind of traffic are assume to complete for the access to limited number of frequency channels available for priority and non-priority calls. The system is modeled by markov chain and a numerical analysis would be presented to calculate the expected queue length of priority and non-priority calls to identify traffic load.