

# Common Traffic Channel Access Method of the Third Generation Packet Service System

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## Abstract

In the third generation(3G) packet service system, the radio channels are generally classified into the dedicated and common traffic channels. In this paper, a common traffic channel access method is proposed for the 3G system to enhance the radio resource utilization while guaranteeing QoS to the users. Simulation results show that the capacity can be increased up to 25% by applying proposed common channel access method.