Abstract

In wireless lan an important concern is channel utilization. IEEE 802.11e TG4 propose transmission opportunity (TXOP) scheme with admission control method in which a station is allowed to send a number of consecutive packets limited by the duration allocated and station accepts or rejects the flows on the basis of available resources. However its use is not optimize. In this paper an scheme is proposed to increase the system efficiency by using the remaining TXOP duration efficiently. The performance of the scheme is evaluated from simulation developed in NS2 simulator.

Reference

- “Medium Access Control (MAC) and Quality of Service Enhancements”, August 2004.

Index Terms

Computer Science Wireless Networks

Key words

Wireless local area network recovered transmission opportunity

quality of service

admission control

IEEE 802.11e

HCF