設計多媒體傳輸服務之蜂巢式IP網路 Design a Cellular IP Network for Mobile Multimedia Communication Services

It does not satisfy the user's necessary that it provides only voicebearer over wireless communications. Therefore, it's an importantfeature of next generation wireless communication to offer thiscapability through mobile internet. Mobile IP allows mobile hosts tochange their location and reduce data packet loss probability inwireless communication network. However, mobile IP still have somedefects in handoff and route aspects. Thus, cellular IP protocol isproposed for routing of IP datagrams to mobile stations and fasthandoff control in a limited geographical area. It can cooperate withmobile IP to provide wide area mobility support. In this paper, weoffer a Soft-handoff method to improve Quality of Service and resourceswitching management to reduce data packet loss for mobile multimediacommunication in cellular IP and mobile IP network.