Abstract

WIMAX is a wireless high speed internet communication technology in geographical areas which is having higher data transfer rate. This is a emerging data transfer mechanism for its superior quality over their former communication technology like cable-modem and DSL connections. Mobile devices scans more channels in order to search neighboring base stations which selects the optimal target. The IEEE 802.16e produces temporarily breaking communications among the base stations and mobile stations to search channels. Handoff detection includes network discovery and handoff decision. Which kind of handoff metrics should be used and how to apply them to make the handoff decision are the main problems in handoff detection. In handoff process we propose our future WiMAX to support multimedia applications like VOIP, etc., Our WiMAX based multimedia networks enhance the quality for the medium duration calls.

References

Enhanced QOS Factors for Load Balanced Handoff WiMAX Network


Index Terms

Computer Science
Multimedia

Keywords

WiMAX  IEEE 802.16  Handoff  VOIP  Multimedia Applications