Abstract

In this article an efficient routing protocol has been identified for real time and non – real time applications. The MS movement direction prediction (MMDP) based MS scanning is implemented to overcome the mobile WiMAX handover issues. Here the authors have used the MMDP method to reduce the number of scanning’s required for the handover instead of scanning for all neighboring BSs and suggested that on using the concurrent scanning procedure for the best two TBS high quality hand over support in Mobile WiMAX can be achieved. On performing concurrent scanning of two best target base stations, issues like ideal sectors, network congestion and fast change in RSS are proposed to be minimized. The proposed algorithm targets to meet the quality of service requirements. Performance results for simulation scenarios are presented and discussed.

References

Efficient Routing Protocol for Handover Delay Minimization in Mobile WiMAX using Concurrent Scanning

org/16/docs/03/C8021603_14. org/

Index Terms

Computer Science Wireless

Keywords
Routing protocols MMDP scanning concurrent scanning