Abstract

Always best connected services (ABC) allow multimode mobile terminals to stay connected to the best available networks, at anytime according to user preferences. One of the key aspects in realizing such ABC service is mainly attributed to an effective and dynamic access network selection process. However, most of the previous works consider the access network selection process as a static optimization problem which fails to address the dynamic QoS conditions intrinsic in wireless networks. One of the main challenges remaining is to find an efficient way of obtaining dynamic QoS parameters such as available bandwidth. In this paper, propose a novel dynamic access network selection algorithm capable of adapting to prevailing network conditions. Proposed algorithm is an estimation process where network selection in heterogeneous wireless environment (WiMAX & WLAN) performed using available bandwidth estimation relies on dynamic parameters designed using . net.
Available Bandwidth Estimation for Network Selection in Heterogeneous Environment of WLAN and WiMAX

- WiMAX and WLAN Together: Deployment Models and User Scenarios; White paper Co-authored by Motorola and Intel, 2007, pp 1-10
  - Mussa Bshara, Umut Orguner, "Fingerprinting Localization in Wireless Networks Based on Received-Signal-Strength Measurements: A Case Study on WiMAX Networks"; IEEE Transactions On Vehicular Technology, VOL. 59, NO. 1, pp 283-294, January 2010

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<th>Computer Science</th>
<th>Wireless</th>
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Index Terms
Keywords

WLAN  WiMAX  Heterogeneous wireless networks  Available bandwidth