

Study of the Vertical Handoff in Heterogeneous Networks and Implement Based on Opnet

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Abstract : In this document we studied more in detail the Performances of the vertical handover in the networks WLAN, WiMAX, UMTS before studying of it the Procedure of Handoff Vertical, the whole buckled by simulations putting forward the performances of the handover in the heterogeneous networks. The goal of Vertical Handover is to carry out several accesses in real-time in the heterogeneous networks. This makes it possible a user to use several networks (such as WLAN UMTS and WiMAX) in parallel, and the system to commute automatically at another basic station, without disconnecting itself, as if there were no cut and with little loss of data as possible.

Keywords : vertical handoff, WLAN, UMTS, WIMAX, heterogeneous

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