INTERWORKING OF CELLULAR NETWORKS
AND WIRELESS LANS

Abstract

A method and system for interworking between cellular networks (120) and wireless local area networks (WLANs) (110) are disclosed. At least one cellular network (120), at least one WLAN (110) and an EP network (140) are deployed. A wireless transmit/receive unit (WTRU) (102) first establishes a connection to a WLAN (110) and a tunnel between an access point (AP) (132a, 132b) and a packet data gateway (PDG) (129) is established. The PDG (129) further establishes a tunnel to an IP network (140). The WTRU (102) then invokes a service which is delivered through the WLAN (110). As signal quality from the AP (132a, 132b) degrades below a predetermined threshold, a handover from the WLAN (110) to the cellular network (120) is performed.

Fig.1