WIRELESS COMMUNICATION METHOD AND SYSTEM FOR ACTIVATING MULTIPLE SERVICE BEARERS VIA EFFICIENT PACKET DATA PROTOCOL CONTEXT ACTIVATION PROCEDURES

Abstract

A method and apparatus for executing attachment procedures in a long term evolution (LTE) system to accommodate a single tunnel approach. Third Generation Partnership Program (3GPP) packet data protocol (PDP) context activation procedures are used for the allocation of an Internet protocol (IP) address and the establishment of tunneling between an evolved Node-B (eNodeB) and an anchor node, while allowing multiple radio access bearers (RABs) to be mapped to one PDP context for different quality of service (QoS) requirements. Thus, one PDP context is sufficient for a wireless transmit/receive unit (WTRU) within a single packet data network (PDN). Multiple PDP contexts can be established for special requirements, (e.g., bundled services), or when the WTRU connects to multiple PDNs.

Figure: 6