

What we claim is:

1. A data transmission method, comprising:

receiving, by the transmitting device, indication information, wherein the indication information is used for indicating switching a Data Radio Bearer, DRB, corresponding to a first Quality of Service (QoS) flow from a first DRB to a second DRB; wherein the indication information is a Radio Resource Control (RRC) signaling or a Reflective Quality of Service (RQoS) wherein the RQoS is determined according to an Identity (ID) of a data packet received on the second DRB;

switching, by the transmitting device, the DRB corresponding to the first QoS flow from the first DRB to a second DRB; and

sending, by the transmitting device, unsent data packets in the first QoS flow to a receiving device through the second DRB; wherein before the transmitting device switches the DRB corresponding to the first QoS flow from the first DRB to the second DRB, the method further comprises:

sending, by the transmitting device, a first identity packet after sending at least one data packet in the first QoS flow through the first DRB, wherein the first identity packet is used for indicating that a previous data packet of the first identity packet is a last data packet corresponding to the first DRB; wherein, the first identity packet is a Service Data Adaptation Protocol (SDAP) Protocol Data Unit (PDU) without payload or an SDAP control PDU.

2. A data transmission method, comprising:

determining, by a receiving device, that a Data Radio Bearer (DRB) corresponding to a first Quality of Service (QoS) flow is switched from a first DRB to a second DRB;

receiving, by the receiving device, indication information, wherein the indication information is used for indicating that the DRB corresponding to the first QoS flow is switched from the first DRB to the second DRB; wherein the indication information is a Radio Resource Control (RRC) signaling or a Reflective Quality of

Service (RQoS), wherein the RQoS is determined according to an Identity (ID) of a data packet received on the second DRB; and

receiving, by the receiving device, a plurality of data packets in the first QoS flow sent by a transmitting device through the second DRB; wherein the method further comprises:

receiving, by the receiving device, at least one data packet in the first QoS flow sent by the transmitting device through the first DRB;

receiving, by the receiving device, a second identity packet sent by that transmitting device through the first DRB, wherein the second identity packet is used for indicating that a previous data packet of the second identity packet is a last data packet sent by the transmitting device through the first DRB; and

transmitting, by the receiving device, the plurality of data packets received through the second DRB and the at least one data packet received through the first DRB according to the second identity packet; wherein, the second identity packet is a Service Data Adaptation Protocol (SDAP) Protocol Data Unit (PDU) without payload or an SDAP control PDU.

3. A transmitting device, comprising:

a receiving unit, configured for receiving indication information, wherein the indication information is used for indicating switching a Data Radio Bearer (DRB) corresponding to a first Quality of Service (QoS) flow from a first DRB to the second DRB; wherein the indication information is a Radio Resource Control (RRC) signaling or a Reflective Quality of Service (RQoS), wherein the RQoS is determined according to an Identity (ID) of a data packet received on the second DRB;

a processing unit, configured for switching the DRB corresponding to the first QoS flow from the first DRB to a second DRB; and

a sending unit, configured for sending unsent data packets in the first QoS flow to a receiving device through the second DRB; wherein the sending unit is further configured for sending a first identity packet after sending at least one data packet

through the first DRB before the processing unit switches the DRB corresponding to the first QoS flow from the first DRB to the second DRB, wherein the first identity packet is used for indicating that a previous data packet of the first identity packet is a last data packet corresponding to the first DRB; wherein, the first identity packet is a Service Data Adaptation Protocol (SDAP) Protocol Data Unit (PDU) without payload or an SDAP control PDU.

4. A receiving device, comprising:

a processing unit, configured for determining that a Data Radio Bearer (DRB) corresponding to a first Quality of Service (QoS) flow is switched from a first DRB to a second DRB; and

a receiving unit, configured for receiving indication information, wherein the indication information is used for indicating that the DRB corresponding to the first QoS flow is switched from the first DRB to the second DRB; wherein the indication information is a Radio Resource Control (RRC) signaling or a Reflective Quality of Service (RQoS), wherein the RQoS is determined according to an Identity (ID) of a data packet received on the second DRB;

wherein the receiving unit is further configured for receiving a plurality of data packets in the first QoS flow sent by a transmitting device through the second DRB;

wherein the receiving unit is further configured for receiving at least one data packet in the first QoS flow sent by the transmitting device through the first DRB;

the receiving unit is further configured for receiving a second identity packet sent by the transmitting device through the first DRB, wherein the second identity packet is used for indicating that a previous data packet of the second identity packet is a last data packet sent by the transmitting device through the first DRB;

the receiving device further comprises:

a sending unit, configured for transmitting the plurality of data packets received through the second DRB and the at least one data packet received through the first DRB according to the second identity packet; wherein, the second identity packet is a

Service Data Adaptation Protocol (SDAP) Protocol Data Unit (PDU) without payload or an SDAP control PDU.