CLAIMS

1. A method of wireless communication, comprising: detecting a mapping reconfiguration of a first Quality of Service (QoS) flow from a first data radio bearer (DRB) to a second DRB; generating a Service Data Adaptation Protocol (SDAP) control protocol data unit (PDU) in response to the mapping reconfiguration, wherein the SDAP control PDU provides an indication that a final SDAP data PDU associated with the first QoS flow has been transmitted on the first DRB, wherein the SDAP control PDU includes a control identifier facilitating a distinction between the SDAP control PDU and an SDAP data PDU; and transmitting the SDAP control PDU via the first DRB to a receiver.

2. The method of claim 1, wherein detecting the mapping reconfiguration comprises: detecting the mapping reconfiguration via a Radio Resource Control (RRC) message.

3. The method of claim 1, wherein detecting the mapping reconfiguration comprises: detecting the mapping reconfiguration via reflective mapping, wherein the mapping reconfiguration is detected based on whether packets associated with the first QoS flow are received via the second DRB after being initially received via the first DRB.

4. The method of claim 1, further comprising: including a data/control (D/C) bit in each of the SDAP control PDU and the SDAP data PDU, wherein the D/C bit facilitates the distinction between the SDAP control PDU and the SDAP data PDU.

5. The method of claim 1, wherein generating the SDAP control PDU comprises: including a QoS Flow Identifier (QFI) parameter within the SDAP control PDU, the QFI parameter identifying a particular QoS flow applicable to control information included in the SDAP control PDU.

6. The method of claim 5, wherein generating the SDAP control PDU further comprises: setting the QFI parameter within the SDAP control PDU to a value corresponding to the first QoS flow.

7. The method of claim 1, wherein transmitting the SDAP control PDU comprises: preserving an order in which a transmitter side SDAP layer transmits the SDAP control PDU after transmitting the final SDAP data PDU associated with the first QoS flow via the first DRB to enable a receiver side SDAP layer to receive the SDAP control PDU after receiving the final SDAP data PDU associated with the first QoS flow via the first DRB.

8. The method of claim 7, wherein preserving the order is performed by a Packet Data Convergence Protocol (PDCP) entity associated with the first DRB.

9. The method of claim 1, wherein generating the SDAP control PDU further comprises: identifying whether a buffer comprises an un-transmitted SDAP data PDU associated with the first QoS flow; including an end marker parameter in an SDAP header of the un-transmitted SDAP data PDU when the buffer comprises the un-transmitted SDAP data PDU associated with

the first QoS flow, wherein the end marker parameter indicates that the un-transmitted SDAP data PDU is the final SDAP data PDU associated with the first QoS flow on the first DRB; and transmitting the un-transmitted SDAP data PDU to the receiver.

10. The method of claim 9, wherein generating the SDAP control PDU further comprises: generating the SDAP control PDU when the buffer does not comprise the un-transmitted SDAP data PDU associated with the first QoS flow.

11. A scheduled entity within a wireless communication network, comprising: a processor; a transceiver communicatively coupled to the processor; a memory communicatively coupled to the processor, wherein the processor is configured to: detect a mapping reconfiguration of a first Quality of Service (QoS) flow from a first data radio bearer (DRB) to a second DRB; generate a Service Data Adaptation Protocol (SDAP) control protocol data unit (PDU) in response to the mapping reconfiguration, wherein the SDAP control PDU provides an indication that a final SDAP data PDU associated with the first QoS flow has been transmitted on the first DRB, wherein the SDAP control PDU includes a control identifier facilitating a distinction between the SDAP control PDU and an SDAP data PDU; and transmit the SDAP control PDU via the first DRB to a scheduling entity via the transceiver.

12. The scheduled entity of claim 11, wherein the processor is further configured to: detect the mapping reconfiguration via a Radio Resource Control (RRC) message.

13. The scheduled entity of claim 11, wherein the processor is further configured to: detect the mapping reconfiguration via reflective mapping, wherein the mapping reconfiguration is detected based on whether packets associated with the first QoS flow are received via the second DRB after being initially received via the first DRB.

14. The scheduled entity of claim 11, wherein the processor is further configured to: include a data/control (D/C) bit in each of the SDAP control PDU and the SDAP data PDU, wherein the D/C bit facilitates the distinction between the SDAP control PDU and the SDAP data PDU.

15. The scheduled entity of claim 11, wherein the processor is further configured to: include a QoS Flow Identifier (QFI) parameter within the SDAP control PDU, the QFI parameter identifying a particular QoS flow applicable to control information included in the SDAP control PDU.

16. The scheduled entity of claim 15, wherein the processor is further configured to: set the QFI parameter within the SDAP control PDU to a value corresponding to the first QoS flow.

17. The scheduled entity of claim 11, wherein the processor is further configured to: preserve an order in which a transmitter side SDAP layer within the scheduled entity transmits the SDAP control PDU after transmitting the final SDAP data PDU associated with the first QoS flow via the first DRB to enable a receiver side SDAP layer within the scheduling entity to receive the SDAP control PDU after receiving the final SDAP data PDU associated with the first QoS flow via the first DRB.

18. The scheduled entity of claim 11, wherein the processor is further configured to: identify whether a buffer within the memory comprises an un-transmitted SDAP data PDU associated with the first QoS flow; include an end marker parameter in an SDAP header of the un-transmitted SDAP data PDU when the buffer comprises the un-transmitted SDAP data PDU associated with the first QoS flow, wherein the end marker parameter indicates that the un-transmitted SDAP data PDU is the final SDAP data PDU associated with the first QoS flow on the first DRB; transmit the un-transmitted SDAP data PDU to the scheduling entity.

19. The scheduled entity of claim 18, wherein the processor is further configured to: generate the SDAP control PDU when the buffer does not comprise the un-transmitted SDAP data PDU associated with the first QoS flow.

20. An apparatus configured for wireless communication, comprising: means for detecting a mapping reconfiguration of a first Quality of Service (QoS) flow from a first data radio bearer (DRB) to a second DRB; means for generating a Service Data Adaptation Protocol (SDAP) control protocol data (PDU) in response to the mapping reconfiguration, wherein the SDAP control PDU provides an indication that a final SDAP data PDU associated with the first QoS flow has been transmitted on the first DRB, wherein the SDAP control PDU includes a control identifier facilitating a distinction between the SDAP control PDU and an SDAP data PDU; and means for transmitting the SDAP control PDU via the first DRB to a receiver.