CLAIMS

What is claimed is:

1. A sidelink radio bearer SLRB release method, applied for a first terminal device or a chip of the first terminal device, comprising:

obtaining, an indication which indicates that no QoS flow with data is mapped to the first SLRB;

releasing the first SLRB, wherein the releasing the first SLRB, comprises:

releasing the first SLRB in response to receiving a PC5-radio resource control, PC5-RRC reconfiguration complete messagefrom a second terminal device.

2. The method according to claim 1, wherein the first SLRB is associated with is associated with a unicast connection, the unicast connection is between the first terminal device and a second terminal device.

3. The method according to claim 1 or 2, wherein the method comprises:

releasing all QoS flows with data that are mapped to the first SLRB.

4. The method according to any one of claims 1 to 3, wherein the releasing the first SLRB, comprises:

sending a second PC5-RRC reconfiguration message to the second terminal device.

5. The method according to claim 4, wherein the second PC5-RRC reconfiguration message indicating to release the first SLRB.

6. The method according to any one of claims 1 to 5, wherein the method further comprises:

delivering, by an upper layer of the first terminal device, a first quality of service QoS flow to a first service data adaptation protocol SDAP entity based on first sidelink information, wherein the first QoS flow is associated with the first sidelink information, a first PC5 interface quality of service flow identifier PFI, and a first quality of service QoS parameter, the first sidelink information is used to identify a first sidelink, the first sidelink information comprises one or more of first communication type information and a first destination identifier, and the first communication type information is one of unicast, multicast, and broadcast; and

mapping, by the first SDAP entity, the first QoS flow to a first sidelink radio bearer SLRB based

on the PFI or the first QoS parameter.

7. The method according to claim 6, wherein the first terminal device comprises a plurality of SDAP entities, the plurality of SDAP entities comprise the first SDAP entity, and the plurality of SDAP entities are in a one-to-one correspondence with a plurality of sidelink information.

8. The method according to claim 6 or 7, wherein the destination identifier is a destination layer 2 identifier.

9. The method according to any one of claims 1 to 8, wherein the method further comprises:

receiving first configuration information from a network device, wherein the first configuration information indicates that a first quality of service, QoS, flow is mapped to the first SLRB, and the first SLRB has not been established;

establishing, the first SLRB.

10. The method according to claim 9, wherein that the first QoS flow has data comprises:

the upper layer of the first terminal device initiates the first QoS flow.

11. The method according to claim 10, wherein that the upper layer of the first terminal device initiates the first QoS flow comprises:

the upper layer indicates, to an access layer of the first terminal device, a first PC5 interface quality of service flow identifier PFI and a first QoS parameter that are associated with the first QoS flow.

12. The method according to any one of claims 9 to 11, wherein when a first sidelink associated with the first SLRB is a unicast link the method comprises:

receiving a reconfiguration complete message from a second terminal device.

13. The method according to claim 1312 wherein before the receiving a reconfiguration complete message from a second terminal device, the method comprises:

sending an establishment request message to the second terminal device, wherein the establishment request message is used to request the second terminal device to establish a second SLRB, wherein the second SLRB is associated with the first SLRB.

14. The method according to any one of claims 9 to 13, wherein the first SLRB is associated with first sidelink information, the first sidelink information is used to identify a first sidelink, the first sidelink information comprises one or more of first communication type information, a first source identifier, and a first destination identifier, and the first communication type information is one of unicast, multicast, and broadcast.

15. A communications apparatus, configured to perform the method according to any one of claims 1 to 14.

16. An apparatus, comprising a processor, wherein the processor is coupled to a memory, the memory is configured to store a program or an instruction, and when the program or the instruction is executed by the processor, the apparatus is enabled to perform the method according to any one of claims 1 to 14.

17. A storage medium, wherein the storage medium stores a computer program or an instruction, and when the computer program or the instruction is executed, a computer is enabled to perform the method according to any one of claims 1 to 14.

18. A chip, wherein the chip comprises a processor, and the processor is configured to perform the method according to any one of claims 1 to 14.