CLAIMS

1. A relay communication method, applied in a second terminal device or a chip of the second terminal device, wherein a first terminal device and the second terminal device perform data transmission through a relay device, and the method comprises:

receiving a radio bearer, RB, configuration from the first terminal device by using the relay device, wherein the RB configuration comprises a first identifier and a packet data convergence protocol, PDCP, entity configuration; the first identifier indicates a first security protection parameter; and the first security protection parameter is used for security protection of first data, and the first data is data transmitted between a first packet data convergence protocol PDCP entity of the first terminal device and a second PDCP entity of the second terminal device;

establishing the second PDCP entity based on the PDCP entity configuration; and

when the first data is transmitted between the second PDCP entity of the second terminal device and the first PDCP entity of the first terminal device through the relay device, performing security protection on the first data by using the first security protection parameter.

2. The method according to claim 1, wherein first information of the first identifier is associated with the first security protection parameter; or the first identifier is associated with the first security protection parameter.

3. The method according to claim 2, wherein the first information comprises a low bit of a first quantity of the first identifier.

4. The method according to claim 3, wherein the first information comprises five low bits of the first identifier.

5. The method according to any one of claims 1 to 4, wherein the first identifier is associated with any one of the following:

an identifier of the RB configuration and an identifier of an RB.

6. The method according to claim 5, wherein the identifier of the RB configuration is a sidelink RB configuration index.

7. A relay communication method, applied in a first terminal device or a chip of the first terminal device, wherein the first terminal device and a second terminal device perform data transmission through a relay device, and the method comprises:

sending a radio bearer RB configuration to the second terminal device by using the relay device, wherein the RB configuration comprises a first identifier and a PDCP entity configuration; and the first security protection parameter is used for security protection of first data, and the first data is data transmitted between a first packet data convergence protocol PDCP entity of the first terminal device and a second PDCP entity of the second terminal device.

8. The method according to claim 7, wherein first information of the first identifier is associated with the first security protection parameter; or the first identifier is associated with the first security protection parameter.

9. The method according to claim 8, wherein the first information comprises a low bit of a first quantity of the first identifier.

10. The method according to claim 9, wherein the first information comprises five low bits of the first identifier.

11. The method according to any one of claims 7 to 10, wherein the first identifier is associated with any one of the following:

an identifier of the RB configuration and an identifier of an RB.

12. The method according to claim 11, wherein the identifier of the RB configuration is a sidelink RB configuration index.

13. A communication apparatus, comprising a processor and a memory, wherein the processor is coupled to the memory, the memory is configured to store a program or instructions, and when the program or the instructions are executed by the processor, the communication apparatus is enabled to perform the method according to any one of claims 1 to 6 or any one of claims 7 to 12.

14. A chip, comprising at least one processor and a communication interface, wherein

the communication interface is configured to receive a signal input to the chip or a signal output from the chip, and the processor communicates with the communication interface and is configured to implement the method according to any one of claims 1 to 12 by using a logic circuit or by executing code instructions.

15. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program or instructions, and when the computer program or the instructions are executed, a computer is enabled to perform the method according to any one of claims 1 to 12.