CLAIMS

What is claimed is:

1. A method for determining a sidelink discontinuous reception DRX configuration, comprising:

determining at least two PQIs or sidelink quality of service QoS profiles corresponding to a service of a terminal;

determining at least two sidelink DRX configurations corresponding to the at least two PQIs or sidelink QoS profiles, wherein each sidelink DRX configuration indicates one or more sidelink DRX parameters; and

determining a sidelink DRX configuration for use based on the at least two sidelink DRX configurations, wherein the sidelink DRX configuration for use is a first sidelink DRX configuration, the first sidelink DRX configuration is generated based on the at least two sidelink DRX configurations, a value of a parameter in the first sidelink DRX configuration comes from one or more of the at least two sidelink DRX configurations, and a value of a first parameter comprised in the first sidelink DRX configuration is a smallest value or a largest value in values of first parameters respectively comprised in the at least two sidelink DRX configurations.

2. The method according to claim 1, wherein the first parameter is any one of the following parameters: a value of a sidelink DRX on-duration timer sl-DRX-OnDurationTimer, a value of a sidelink DRX inactivity timer sl-DRX-InactivityTimer, a value of a sidelink DRX hybrid automatic repeat request round trip time timer sl-DRX-HARQ-RTT-Timer, a value of a sidelink DRX retransmission timer sl-DRX-RetransmissionTimer, a value of a sidelink DRX cycle SL DRX cycle, a value of a sidelink DRX start offset sl-DRX-startOffset, or a value of a sidelink DRX slot offset sl-DRX-slotOffset.

3. The method according to claim 1, wherein a value of an SL DRX cycle, a value of an sl-DRX-HARQ-RTT-Timer, a value of an sl-DRX-startOffset, and a value of an sl-DRX-slotOffset in the first sidelink DRX configuration each are a smallest value in the at least two sidelink DRX configurations, and a value of an sl-DRX-onDurationTimer, a value of an sl-DRX-inactivityTimer, and a value of an sl-DRX-RetransmissionTimer in the first sidelink DRX configuration each are a largest value in the at least two sidelink DRX configurations.

4. The method according to claim 1, wherein the service of the terminal corresponds to a destination layer-2 identifier used for sidelink multicast or broadcast communication, and the at least two PQIs or sidelink QoS profiles correspond to the destination layer-2 identifier.

5. The method according to claim 1, further comprising: determining, based on the first sidelink DRX configuration, a sidelink active time corresponding to the terminal, wherein the

sidelink active time comprises one or a union set of the following plurality of running times: a running time of an sl-DRX-onDurationTimer corresponding to the first sidelink DRX configuration, a running time of an sl-DRX-inactivityTimer corresponding to the first sidelink DRX configuration, or a running time of an sl-DRX-RetransmissionTimer corresponding to the first sidelink DRX configuration.

6. The method according to claim 5, wherein determining the sidelink active time corresponding to the terminal comprises: after the terminal sends sidelink control information SCI corresponding to a destination layer-2 identifier, or after the terminal receives the SCI corresponding to the destination layer-2 identifier, starting one or more of the sl-DRX-inactivityTimer corresponding to the first sidelink DRX configuration, an sl-DRX-HARQ-RTT-Timer corresponding to the first sidelink DRX configuration, or the sl-DRX-RetransmissionTimer corresponding to the first sidelink DRX configuration.

7. The method according to claim 1, wherein the method is performed by a terminal on a transmitter side or a terminal on a receiver side, and the terminal on the transmitter side and the terminal on the receiver side determine a same first sidelink DRX configuration based on the at least two sidelink DRX configurations according to a same method, so that sidelink active times of the terminal on the transmitter side and the terminal on the receiver side are aligned.

8. A communication apparatus, comprising a processor and an interface circuit, wherein the interface circuit is configured to: receive a signal from a communication apparatus other than the communication apparatus and transmit the signal to the processor, or send a signal from the processor to a communication apparatus other than the communication apparatus, and the processor is configured to implement the method according to any one of claims 1 to 7 by using a logic circuit or by executing code instructions.

9. A terminal, configured to perform the method according to any one of claims 1 to 7.

10. A computer program product, comprising a computer program, wherein when the computer program is executed by a processor, the method according to any one of claims 1 to 7 is implemented.

11. A computer-readable storage medium, wherein the storage medium stores a computer program or instructions, and when the computer program or the instructions is/are executed by a processor, the method according to any one of claims 1 to 7 is implemented.