

CLAIMS

1. A method for determining a reference value, applied to a terminal, comprising:
determining a reference value, wherein the reference value is a reference value for a sidelink channel, and a function of the reference value comprises:
being used for initialization of a sequence of a reference signal of the sidelink channel.
2. The method according to claim 1, wherein in a case that sidelink channels comprise a first-part sidelink channel and a second-part sidelink channel, the reference value comprises a reference value for the first-part sidelink channel and a reference value for the second-part sidelink channel, wherein
a function of the reference value for the first-part sidelink channel comprises:
being used for initialization of a sequence of a reference signal of the first-part sidelink channel; and
a function of the reference value for the second-part sidelink channel comprises:
being used for initialization of a sequence of a reference signal of the second-part sidelink channel.
3. The method according to claim 2, further comprising:
determining the reference value for the second-part sidelink channel based on indication by the information on the first-part sidelink channel, wherein
the information on the first-part sidelink channel indicates the reference value, or the information on the first-part sidelink channel indicates an index of a value in a fourth set, or the information on the first-part sidelink channel is used to implicitly indicate an index of a value in a fourth set; and
the fourth set is pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network, and the fourth set comprises at least one value.
4. The method according to claim 1 or 2, wherein the reference value is any one of the following:
a fixed value pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network;
a zone identifier of a location of a transmitting terminal;
a zone identifier of a location of a receiving terminal;
an identifier of a resource pool where a transmitting resource selected by a transmitting terminal is located;
an identifier of a transmitting resource selected by a transmitting terminal;
an identifier of a receiving terminal;
an identifier of a terminal group where a receiving terminal is located;

an identifier of a terminal group where a transmitting terminal is located; or
an identifier of a transmitting terminal.

5. The method according to claim 1 or 2, wherein the determining a reference value comprises:

selecting the reference value in a first set based on a target identifier, wherein the first set is pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network, and the first set comprises at least one value; and

the target identifier comprises any one of the following:

a zone identifier of a location of a transmitting terminal;

a zone identifier of a location of a receiving terminal;

an identifier of a resource pool where a transmitting resource selected by a transmitting terminal is located;

an identifier of a transmitting resource selected by a transmitting terminal;

an identifier of a receiving terminal;

an identifier of a terminal group where a receiving terminal is located;

an identifier of a terminal group where a transmitting terminal is located; or

an identifier of a transmitting terminal.

6. The method according to claim 1 or 2, wherein the determining a reference value comprises:

selecting, a value that has a mapping relationship with a target identifier, as the reference value, based on a mapping relationship that is pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network, where

the target identifier comprises any one of the following:

a zone identifier of a location of a transmitting terminal;

a zone identifier of a location of a receiving terminal;

an identifier of a resource pool where a transmitting resource selected by a transmitting terminal is located;

an identifier of a transmitting resource selected by a transmitting terminal;

an identifier of a receiving terminal;

an identifier of a terminal group where a receiving terminal is located;

an identifier of a terminal group where a transmitting terminal is located; or

an identifier of a transmitting terminal.

7. The method according to claim 1 or 2, wherein the determining a reference value comprises:

determining that a value indicated by indication information that is sent by a network side device is the reference value, wherein the indication information is used to indicate a value in a second set, or the indication information is used to indicate an index of a value in a second set; and

the second set is pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network, and the second set comprises at least one value.

8. The method according to claim 1 or 2, wherein the determining a reference value comprises:

randomly selecting a value in a third set as the reference value, wherein

the third set is pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network, and the third set comprises at least one value.

9. The method according to claim 1 or 2, wherein the determining a reference value comprises:

determining the reference value based on a transmission mode of the sidelink channel, wherein

in a case that the transmission mode of the sidelink channel is broadcast, the reference value is determined to be a fixed value, wherein the fixed value is pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network; and

in a case that the transmission mode of the sidelink channel is unicast or multicast, the reference value is determined to be any one of the following identifiers:

a zone identifier of a location of a transmitting terminal;

a zone identifier of a location of a receiving terminal;

an identifier of a resource pool where a transmitting resource selected by a transmitting terminal is located;

an identifier of a transmitting resource selected by a transmitting terminal;

an identifier of a receiving terminal;

an identifier of a terminal group where a receiving terminal is located;

an identifier of a terminal group where a transmitting terminal is located; or

an identifier of a transmitting terminal.

10. The method according to claim 2, further comprising:

determining the reference value for the second-part sidelink channel based on a transmission mode indicated by the first-part sidelink channel, wherein

in a case that the transmission mode is unicast or multicast, the reference value is an identifier of a receiving terminal or an identifier of a terminal group where a receiving terminal is located or an identifier of a transmitting terminal; and

in a case that the transmission mode is broadcast,

the reference value is a fixed value or a random value in a fifth set, wherein the fifth set is pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network, and the fifth set comprises at least one value.

11. The method according to claim 2, further comprising:

determining the reference value for the second-part sidelink channel based on the information on the first-part sidelink channel, wherein all or some of the information on the first-part sidelink channel is used as the reference value.

12. The method according to claim 7, further comprising:

receiving downlink control information (DCI) or radio resource control (RRC) signaling or sidelink control information (SCI), wherein the DCI or RRC signaling or SCI is sent by the network side device and carries the indication information.

13. The method according to claim 1, wherein

in a case that the reference value has different functions, the reference value takes a same value or different values.

14. The method according to claim 2, wherein the reference value satisfies at least one of the following conditions:

in a case that the reference value for the first-part sidelink channel has different functions, the reference value for the first-part sidelink channel takes a same value or different values;

in a case that the reference value for the second-part sidelink channel has different functions, the reference value for the second-part sidelink channel takes a same value or different values; and

in a case that the reference value for the second-part sidelink channel has a same function as the reference value for the first-part sidelink channel, the reference value for the second-part sidelink channel takes a same value as the reference value for the first-part sidelink channel.

15. The method according to claim 2, wherein the information on the first-part sidelink channel comprises at least one of the following:

an identifier of a receiving terminal;

an identifier of a transmitting terminal;

a transmission mode of the sidelink channel; or

information about the reference value for the second-part sidelink channel.

16. The method according to claim 15, wherein the information about the reference value for the second-part sidelink channel comprises at least one of the following:

a reference value;

a reference value set; or

an index of a value in the reference value set.

17. A terminal, comprising a processor, a memory, and a computer program that is stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, a following step is implemented:

determining a reference value, wherein the reference value is a reference value for a sidelink channel, and a function of the reference value comprises:

being used for initialization of a sequence of a reference signal of the sidelink channel.

18. The terminal according to claim 17, wherein in a case that sidelink channels comprise a first-part sidelink channel and a second-part sidelink channel, the reference value comprises a reference value for the first-part sidelink channel and a reference value for the second-part sidelink channel, wherein

a function of the reference value for the first-part sidelink channel comprises:

being used for initialization of a sequence of a reference signal of the first-part sidelink channel; and

a function of the reference value for the second-part sidelink channel comprises:

being used for initialization of a sequence of a reference signal of the second-part sidelink channel.

19. The terminal according to claim 17, wherein the reference value is any one of the following:

a fixed value pre-defined by a protocol or configured by a terminal or pre-configured by a network or configured by a network;

a zone identifier of a location of a transmitting terminal;

a zone identifier of a location of a receiving terminal;

an identifier of a resource pool where a transmitting resource selected by a transmitting terminal is located;

an identifier of a transmitting resource selected by a transmitting terminal;

an identifier of a receiving terminal;

an identifier of a terminal group where a receiving terminal is located;

an identifier of a terminal group where a transmitting terminal is located; or

an identifier of a transmitting terminal.

20. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, a following step is implemented:

determining a reference value, wherein the reference value is a reference value for a sidelink channel, and a function of the reference value comprises:

being used for initialization of a sequence of a reference signal of the sidelink channel.