CLAIMS

1. A method for reporting terminal assistance information, performed by a first terminal device, comprising:

sending a sidelink (SL) resource request information list and an assistance information list to a network side device; wherein the resource request information list comprises a resource request of a second terminal device, and the resource request of the second terminal device comprises a destination address of the second terminal device; the assistance information list comprises assistance information, and the assistance information determines a terminal device identifier corresponding to the assistance information by means of an index identifier;

wherein the terminal device identifier corresponding to the assistance information is a destination address in a resource request at a position of the index identifier in the resource request information list.

2. The method according to claim 1, wherein the index identifier is determined by a position of the assistance information in the assistance information list.

3. The method of claim 2, wherein a length of the assistance information list is the same as a length of the resource request information list.

4. The method according to any one of claims 1 to 3, further comprising:

receiving SL discontinuous reception (DRX) assistance information sent by the second terminal device, wherein the SL DRX assistance information is comprised in the assistance information.

5. A method for acquiring terminal assistance information, performed by a network device, comprising:

receiving a sidelink (SL) resource request information list and an assistance information list sent by a first terminal device; wherein the resource request information list comprises a resource request of a second terminal device, and the resource request of the second terminal device comprises a destination address of the second terminal device; the assistance information list comprises assistance information, and the assistance information determines a terminal device identifier corresponding to the assistance information by means of an index identifier;

wherein the terminal device identifier corresponding to the assistance information is a

destination address in a resource request at a position of the index identifier in the resource request information list.

6. The method according to claim 5, wherein the index identifier is determined by a position of the assistance information in the assistance information list.

7. The method according to claim 6, wherein a length of the assistance information list is the same as a length of the resource request information list.

8. The method according to any one of claims 5 to 7, wherein the assistance information is SL discontinuous reception (DRX) assistance information, and the SL DRX assistance information is sent by the second terminal device to the first terminal device.

9. A first terminal device, comprising:

a transceiver module, configured to send a sidelink (SL) resource request information list and an assistance information list to a network side device; wherein the resource request information list comprises a resource request of a second terminal device, and the resource request of the second terminal device comprises a destination address of the second terminal device; the assistance information list comprises assistance information, and the assistance information determines a terminal device identifier corresponding to the assistance information by means of an index identifier;

wherein the terminal device identifier corresponding to the assistance information is a destination address in a resource request at a position of the index identifier in the resource request information list.

10. The first terminal device according to claim 9, wherein the index identifier is determined by a position of the assistance information in the assistance information list.

11. The first terminal device of claim 10, wherein a length of the assistance information list is the same as a length of the resource request information list.

12. The first terminal device according to any one of claims 9 to 11, wherein the transceiver module is configured to receive SL DRX assistance information sent by the second terminal device, wherein the SL DRX assistance information is comprised in the assistance information.

13. A network device, comprising:

a transceiver module, configured to receive a sidelink (SL) resource request information list and an assistance information list sent by a first terminal device; wherein the resource request information list comprises a resource request of a second terminal device, and the resource request of the second terminal device comprises a destination address of the second terminal device; the assistance information list comprises assistance information, and the assistance information determines a terminal device identifier corresponding to the assistance information by means of an index identifier;

wherein the terminal device identifier corresponding to the assistance information is a destination address in a resource request at a position of the index identifier in the resource request information list.

14. The network device according to claim 13, wherein the index identifier is determined by a position of the assistance information in the assistance information list.

15. The network device according to claim 14, wherein a length of the assistance information list is the same as a length of the resource request information list.

16. The network device according to any one of claims 13 to 15, wherein the assistance information is SL DRX assistance information, and the SL DRX assistance information is sent by the second terminal device to the first terminal device.

17. A communication device, comprising a processor and a memory having a computer program stored thereon, wherein the processor is configured to execute the computer program stored in the memory, causing the device to perform the method according to any one of claims 1 to 4.

18. A communication device, comprising a processor and a memory having a computer program stored thereon, wherein the processor is configured to execute the computer program stored in the memory, causing the device to perform the method according to any one of claims 5 to 8.

19. A computer-readable storage medium for storing instructions, when the instructions are

executed, the method according to any one of claims 1 to 4 is implemented.

20. A computer-readable storage medium for storing instructions, when the instructions are executed, the method according to any one of claims 5 to 8 is implemented.