CLAIMS

What is claimed is:

1. A communication method, comprising:

sending, to a first terminal apparatus at a first time or before the first time, coordination information indicating a first resource, the first time is determined based on a first reference time and a first time offset, wherein the first resource is for determining a second resource for receiving sidelink information from the first terminal apparatus; and

the first reference time comprises a second time, a third time, a fourth time, or a fifth time;

the second time comprises a time at which trigger information is received from the first terminal apparatus, and the trigger information is for triggering determining of the first resource;

the third time comprises a start time of a resource selection window;

the fourth time comprises an end time of the resource selection window, and the resource selection window is for determining the second resource for receiving the sidelink information from the first terminal apparatus; and

the fifth time comprises a start time of the first resource in time domain.

2. The method according to claim 1, wherein

the first time offset is determined based on a capability of the first terminal apparatus; or

the first time offset is a predefined time offset.

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

receiving the trigger information from the first terminal apparatus, wherein the trigger information comprises at least one of the following information: the start time of the resource selection window, the end time of the resource selection window, the first time offset, the capability of the first terminal apparatus, a second time offset, or duration of the resource selection window, the second time offset is a time offset between the time at which the trigger information is received from the first terminal apparatus and the start time of the resource selection window, the second time offset is for determining the start time of the resource selection window, and the second time offset and the duration of the resource selection window are for determining the end time of the resource selection window.

4. The method according to any one of claims 1 to 3, wherein the resource selection window

is a resource selection window for the first terminal apparatus.

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

receiving control information, sidelink radio resource control PC5-RRC signaling, or a Media Access Control control element MAC CE from the first terminal apparatus, wherein the control information, the sidelink radio resource control PC5-RRC signaling, or the Media Access Control control element MAC CE indicates the first time offset and/or the capability of the first terminal apparatus.

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

receiving, on the second resource, the sidelink information from the first terminal apparatus.

7. The method according to any one of claims 1 to 6, wherein

the start time of the first resource in time domain falls within the resource selection window.

8. The method according to claim 7, wherein

the first resource comprises at least one resource for determining a resource for receiving the sidelink information from the first terminal apparatus, and the start time of the first resource in time domain comprises a time domain start time of a resource ranking first in time domain among the at least one resource.

9. The method according to any one of claims 1 to 8, wherein

the first time and the first time offset are measured in milliseconds or slots.

10. A communication method, comprising:

receiving coordination information from a second terminal apparatus at a first time or before the first time, wherein the coordination information indicates a first resource, the first time is determined based on a first reference time and a first time offset, and the first resource is for determining a second resource for sending sidelink information to the second terminal apparatus,

wherein the first reference time comprises a second time, a third time, a fourth time, or a fifth time;

the second time comprises a time of sending trigger information to the second terminal apparatus, wherein the trigger information is for triggering determining of the first resource;

the third time comprises a start time of a resource selection window;

the fourth time comprises an end time of the resource selection window, and the resource selection window is for determining the second resource for sending the sidelink information to the second terminal apparatus; and

the fifth time comprises a start time of the first resource in time domain.

11. The method according to claim 10, wherein

the first time offset is determined based on a capability of the first terminal apparatus; or

the first time offset is a predefined time offset.

12. The method according to claim 10 or 11, wherein the method further comprises:

sending the trigger information to the second terminal apparatus, wherein the trigger information comprises at least one of the following information: the start time of the resource selection window, the end time of the resource selection window, the first time offset, the capability of the first terminal apparatus, a second time offset, or duration of the resource selection window, the second time offset is a time offset between a time at which the trigger information is sent to the second terminal apparatus and the start time of the resource selection window, the second time offset is for determining the start time of the resource selection window, and the second time offset and the duration of the resource selection window are for determining the end time of the resource selection window.

13. The method according to any one of claims 10 to 12, wherein the resource selection window is a resource selection window for the first terminal apparatus.

14. The method according to claim 10 or 11, wherein the method further comprises:

sending control information, sidelink radio resource control PC5-RRC signaling, or a Media Access Control control element MAC CE to the second terminal apparatus, wherein the control information, the sidelink radio resource control PC5-RRC signaling, or the Media Access Control control element MAC CE indicates the first time offset and/or the capability of the first terminal apparatus.

15. The method according to any one of claims 10 to 14, wherein the method further comprises:

sending, on the second resource, the sidelink information to the second terminal apparatus.

16. The method according to any one of claims 10 to 15, wherein

the start time of the first resource in time domain falls within the resource selection window.

17. The method according to claim 16, wherein

the first resource comprises at least one resource for determining a resource for sending the sidelink information to the second terminal apparatus, and the start time of the first resource in time domain comprises a time domain start time of a resource ranking first in time domain among

the at least one resource.

18. The method according to any one of claims 10 to 17, wherein

the first time and the first time offset are measured in milliseconds or slots.

19. A second terminal apparatus, comprising:

a transceiver module, configured to send, to a first terminal apparatus at a first time or before the first time, coordination information indicating a first resource, the first time is determined based on a first reference time and a first time offset, wherein the first resource is for determining a second resource for receiving sidelink information from the first terminal apparatus, and

the first reference time comprises a second time, a third time, a fourth time, or a fifth time;

the second time comprises a time at which trigger information is received from the first terminal apparatus, and the trigger information is for triggering determining of the first resource;

the third time comprises a start time of a resource selection window;

the fourth time comprises an end time of the resource selection window, and the resource selection window is for determining the second resource for receiving the sidelink information from the first terminal apparatus; and

the fifth time comprises a start time of the first resource in time domain.

20. The apparatus according to claim 19, wherein

the first time offset is determined based on a capability of the first terminal apparatus; or

the first time offset is a predefined time offset.

21. The apparatus according to claim 19 or 20, wherein

the transceiver module is further configured to receive the trigger information from the first terminal apparatus, wherein the trigger information comprises at least one of the following information: the start time of the resource selection window, the end time of the resource selection window, the first time offset, the capability of the first terminal apparatus, a second time offset, or duration of the resource selection window, the second time offset is a time offset between the time at which the trigger information is received from the first terminal apparatus and the start time of the resource selection window, the second time offset is for determining the start time of the resource selection window, and the second time offset and the duration of the resource selection window are for determining the end time of the resource selection window.

22. The apparatus according to any one of claims 19 to 21, wherein the resource selection

window is a resource selection window for the first terminal apparatus.

23. The apparatus according to claim 19 or 20, wherein

the transceiver module is further configured to receive control information, sidelink radio resource control PC5-RRC signaling, or a Media Access Control control element MAC CE from the first terminal apparatus, wherein the control information, the sidelink radio resource control PC5-RRC signaling, or the Media Access Control control element MAC CE indicates the first time offset and/or the capability of the first terminal apparatus.

24. The apparatus according to any one of claims 19 to 23, wherein

the transceiver module is further configured to receive, on the second resource, the sidelink information from the first terminal apparatus.

25. The apparatus according to any one of claims 19 to 24, wherein

the start time of the first resource in time domain falls within the resource selection window.

26. The apparatus according to claim 25, wherein

the first resource comprises at least one resource for determining a resource for receiving the sidelink information from the first terminal apparatus, and the start time of the first resource in time domain comprises a time domain start time of a resource ranking first in time domain among the at least one resource.

27. The apparatus according to any one of claims 19 to 26, wherein

the first time and the first time offset are measured in milliseconds or slots.

28. A first terminal apparatus, comprising:

a transceiver module, configured to receive, from a second terminal apparatus at a first time or before the first time, coordination information indicating a first resource, the first time is determined based on a first reference time and a first time offset, wherein the first resource is for determining a second resource for sending sidelink information to the second terminal apparatus;

the first reference time comprises a second time, a third time, a fourth time, or a fifth time;

the second time comprises a time of sending trigger information to the second terminal apparatus, wherein the trigger information is for triggering determining of the first resource;

the third time comprises a start time of a resource selection window;

the fourth time comprises an end time of the resource selection window, and the resource selection window is for determining the second resource for sending the sidelink information to

the second terminal apparatus; and

the fifth time comprises a start time of the first resource in time domain.

29. The apparatus according to claim 28, wherein

the first time offset is determined based on a capability of the first terminal apparatus; or

the first time offset is a predefined time offset.

30. The apparatus according to claim 28 or 29, wherein

the transceiver module is further configured to send the trigger information to the second terminal apparatus, wherein the trigger information comprises at least one of the following information: the start time of the resource selection window, the end time of the resource selection window, the first time offset, the capability of the first terminal apparatus, a second time offset, or duration of the resource selection window, the second time offset is a time offset between a time at which the trigger information is sent to the second terminal apparatus and the start time of the resource selection window, the second time offset is for determining the start time of the resource selection window, and the second time offset and the duration of the resource selection window are for determining the end time of the resource selection window.

31. The apparatus according to any one of claims 28 to 30, wherein the resource selection window is a resource selection window for the first terminal apparatus.

32. The apparatus according to claim 28 or 29, wherein

the transceiver module is further configured to send control information, sidelink radio resource control PC5-RRC signaling, or a Media Access Control control element MAC CE to the second terminal apparatus, wherein the control information, the sidelink radio resource control PC5-RRC signaling, or the Media Access Control control element MAC CE indicates the first time offset and/or the capability of the first terminal apparatus.

33. The apparatus according to any one of claims 28 to 32, wherein

the transceiver module is further configured to send, on the second resource, the sidelink information to the second terminal apparatus.

34. The apparatus according to any one of claims 28 to 33, wherein

the start time of the first resource in time domain falls within the resource selection window.

35. The apparatus according to claim 34, wherein

the first resource comprises at least one resource for determining a resource for sending the sidelink information to the second terminal apparatus, and the start time of the first resource in

time domain comprises a time domain start time of a resource ranking first in time domain among the at least one resource.

36. The apparatus according to any one of claims 28 to 35, wherein

the first time and the first time offset are measured in milliseconds or slots.

37. A terminal apparatus, comprising a processor, wherein the processor is coupled to at least one memory, and the processor is configured to read a computer program stored in the at least one memory, to perform the method according to any one of claims 1 to 9, or perform the method according to any one of claims 10 to 18.

38. A computer-readable storage medium, wherein the computer-readable storage medium is configured to store a computer program, and when the computer program is run on a computer, the computer is enabled to perform the method according to any one of claims 1 to 9, or the computer is enabled to perform the method according to any one of claims 10 to 18.

39. A chip, comprising a processor and a communication interface, wherein the processor is configured to read instructions to perform the method according to any one of claims 1 to 9, or perform the method according to any one of claims 10 to 18.

40. A communication system, comprising the terminal apparatus according to any one of claims 19 to 27, and comprising the terminal apparatus according to any one of claims 28 to 36.