WHAT IS CLAIMED IS:

1. A communication method, performed by a user equipment and characterized in comprising:

in response to performing a re-evaluation or preemption check on a first sidelink transmission time-frequency resource in a first time unit, determining (S11) a set of time units in which sensing is to be performed; and

performing (S12) the re-evaluation or preemption check on the first sidelink transmission time-frequency resource according to a sidelink sensing result in the set of time units.

2. The communication method according to claim 1, wherein determining (S11) the set of time units in which the sensing is to be performed comprises:

determining (S21) the set of time units in which the sensing is to be performed according to a second time unit, wherein the second time unit comprises a time domain position of the first sidelink transmission time-frequency resource.

3. The communication method according to claim 2, wherein determining (S21) the set of time units in which the sensing is to be performed according to the second time unit comprises:

determining (S31) the set of time units in which the sensing is to be performed according to the first time unit and the second time unit.

4. The communication method according to claim 3, wherein the set of time units comprises time units belonging between m-Ta and n-Tb;

where the m is the second time unit, the n is the first time unit, the Ta is a first offset value associated with the second time unit, and the Tb is a second offset value associated with the first time unit.

5. The communication method according to claim 4, wherein

the first offset value is a fixed value; or

the first offset value is a predefined default value; or

the first offset value is determined based on a downlink control signaling sent from a network device.

6. The communication method according to claim 5, wherein the first offset value is the fixed value, and the fixed value is a maximum time difference between reserved aperiodic

sidelink transmission time-frequency resources.

7. The communication method according to claim 4, wherein

the second offset value is a predefined default value; or

the first offset value is determined based on a communication capability of the user equipment.

8. The communication method according to any one of claims 4 to 7, wherein the first offset value is smaller than a difference value between the second time unit and a third time unit; wherein

the third time unit is a time domain position when the user equipment selects the first sidelink transmission time-frequency resource; or

the third time unit is a time domain position where the user equipment performs a second sidelink transmission, and the second sidelink transmission reserves the first sidelink transmission time-frequency resource.

9. The communication method according to claim 2, wherein the set of time units comprises a time unit corresponding to a difference value between the second time unit and a third offset value, wherein the third offset value is determined based on a period value of a periodic time-frequency resource reservation of the user equipment.

10. The communication method according to claim 9, wherein the third offset value is the period value of the periodic time-frequency resource reservation of the user equipment, or an integer multiple of the period value of the periodic time-frequency resource reservation of the user equipment.

11. The communication method according to claim 9 or 10, wherein the period value of the periodic time-frequency resource reservation is determined based on a set of period values of a periodic resource reservation; wherein

the set of period values of the periodic resource reservation is determined based on a pre-configuration message or based on a downlink control signaling sent from a network device.

12. The communication method according to claim 1, wherein determining (S11) the set of time units in which the sensing is to be performed comprises:

determining (S61) the set of time units in which the sensing is to be performed based on first information, wherein the first information is configured to indicate information for

determining the set of time units.

13. The communication method according to claim 12, wherein the first information is determined based on a pre-configuration message or based on a downlink control signaling sent from a network device.

14. The communication method according to claim 12 or 13, wherein the first information is configured to indicate one or a combination of following information:

the first time unit;

a second time unit, which comprises a time domain position of the first sidelink transmission time-frequency resource;

a first offset value associated with the second time unit, and a second offset value associated with the first time unit;

a third offset value associated with the second time unit; and

the set of time units in which the sensing is to be performed being an empty set.

15. A communication device (100), applied to a user equipment and comprising:

a processing unit (101) configured to determine a set of time units in which sensing is to be performed in response to performing a re-evaluation or preemption check on a first sidelink transmission time-frequency resource in a first time unit, and

perform the re-evaluation or preemption check on the first sidelink transmission time-frequency resource according to a sidelink sensing result in the set of time units.

16. The communication device (100) according to claim 15, wherein the processing unit (101) is configured to determine the set of time units in which the sensing is to be performed according to a second time unit, wherein the second time unit comprises a time domain position of the first sidelink transmission time-frequency resource.

17. The communication device (100) according to claim 16, wherein the processing unit (101) is configured to determine the set of time units in which the sensing is to be performed according to the first time unit and the second time unit.

18. The communication device (100) according to claim 15, wherein the processing unit (101) is configured to determine the set of time units in which the sensing is to be performed based on first information, wherein the first information is configured to indicate information for determining the set of time units.

19. A communication device (200), comprising:

a processor (220);

a memory (204) configured to store a processor-executable instruction;

wherein the processor (220) is configured to execute the communication method according to any one of claims 1 to 14.

20. A non-transitory computer-readable storage medium, wherein when an instruction in the storage medium is executed by a processor, a user equipment is capable of executing the communication method according to any one of claims 1 to 14.