CLAIMS

What is claimed is:

1. A resource selection method, applied to a terminal and comprising:

obtaining configuration information of a sensing window in a partial sensing mechanism;

performing monitoring in the sensing window indicated by the configuration information to obtain a monitoring result; and

obtaining a selectable resource set based on the monitoring result;

wherein the configuration information of the sensing window comprises a position of the sensing window being determined based on a position of a resource selection window;

wherein when the position of the sensing window is determined based on the position of the resource selection window, a start time of the sensing window comprises one of the following:

the start time of the sensing window being a time point corresponding to a fourth time interval before a start time of the resource selection window;

the start time of the sensing window being a start time of the resource selection window;

the start time of the sensing window being a start time of a selectable resource selection window;

the start time of the sensing window being a time point corresponding to a later one of a time point corresponding to a fifth time interval before the resource selection window and the start time of the selectable resource selection window; and

the start time of the sensing window being a time point corresponding to a later one of a time point corresponding to a sixth time interval before the resource selection window and the start time of the resource selection window.

2. The resource selection method according to claim 1, wherein the configuration information of the sensing window further comprises:

a length configuration parameter of the sensing window.

3. The resource selection method according to claim 2, wherein the length configuration parameter of the sensing window comprises at least one of the following:

a length of the sensing window;

a minimum value of the length of the sensing window; and

a length range of the sensing window.

4. The resource selection method according to claim 2, wherein the length configuration parameter of the sensing window is at least one of the following:

a protocol-predefined parameter;

a parameter configured via radio resource control RRC;

a parameter indicated by a medium access control control element MAC CE;

a parameter indicated by downlink control information DCI;

a parameter indicated by sidelink control information SCI;

a parameter that is determined based on a start time and/or an end time of a resource selection window; and

a length configuration parameter of the sensing window that is determined based on a length of the resource selection window.

5. The resource selection method according to claim 1, wherein the position configuration parameter of the sensing window comprises at least one of a start time of the sensing window, and an end time of the sensing window; wherein

the start time of the sensing window further comprises one of the following:

the start time of the sensing window being a time point corresponding to a first time interval before the terminal triggers resource selection or re-selection; and

the start time of the sensing window being a time point corresponding to a second time interval after the terminal triggers resource selection or re-selection;

the end time of the sensing window comprises:

the end time of the sensing window being a time point corresponding to a third time interval before the terminal triggers resource selection or re-selection.

6. The resource selection method according to claim 5, wherein the first time interval and/or the third time interval are protocol-predefined, preconfigured, or configured values.

7. The resource selection method according to claim 1, wherein the position of the sensing window is determined based on a resource that has been selected by the terminal;

when the position of the sensing window is determined based on the position of the resource selection window, the end time of the sensing window comprises at least one of the following:

the end time of the sensing window being an end time of the resource selection window;

the end time of the sensing window being a time point corresponding to a seventh time interval before the end time of the resource selection window; and

the end time of the sensing window being a time point corresponding to an eighth time interval before a transmission resource selected by the terminal.

8. The resource selection method according to claim 1, wherein a manner of obtaining the position of the sensing window further comprises:

the sensing window being determined based on a position of a resource selection window and a higher-layer parameter indication; and

the sensing window being determined based on a first period.

9. The resource selection method according to claim 8, wherein the first period comprises at least one of the following:

a period configured for the terminal;

a period configured for a resource pool; and

a period of data to be transmitted by the terminal.

10. The resource selection method according to claim 8, wherein position configuration information of a sensing window indicated by a higher-layer parameter is k bits, and a value of a bit length of k is related to at least one of the following:

a period value of data to be transmitted by the terminal;

a period value configured in a first resource pool; and

whether periodic reservation is enabled for the first resource pool; wherein

k is an integer.

11. The resource selection method according to claim 8, wherein the first period comprises at least one period value, and the at least one period value corresponds to at least one of the following:

at least one period value configured via radio resource control RRC;

at least one period value indicated by side link control information SCI; and

at least one period value indicated by downlink control information DCI.

12. The resource selection method according to claim 8, wherein a minimum number for the first period used by the terminal for monitoring is protocol-predefined, preconfigured, or configured.

13. The resource selection method according to claim 1, before the obtaining a selectable resource set based on the monitoring result, further comprising:

obtaining configuration information of a resource selection window in the partial sensing mechanism; wherein

the configuration information of the resource selection window comprises at least one of the following:

a length configuration parameter of the resource selection window; and

a position configuration parameter of the resource selection window.

14. The resource selection method according to claim 13, wherein the length configuration parameter of the resource selection window comprises one of the following:

a length of the resource selection window;

a minimum value of the length of the resource selection window;

a length range of the resource selection window; and

a length ratio of the resource selection window.

15. The resource selection method according to claim 13, wherein in a case that the configuration information comprises the position configuration parameter of the resource selection window, a start time of the resource selection window comprises at least one of the following:

the start time of the resource selection window being at least from a time point corresponding to a fourteenth time interval after triggering of resource selection;

the start time of the resource selection window being greater than or equal to a time point corresponding to a fifteenth time interval after triggering of resource selection; and

the start time of the resource selection window being from n+T1; wherein

n is a time point of triggering resource selection, and T1 is a protocol-defined minimum time of resource selection.

16. The resource selection method according to claim 1, wherein after the obtaining a selectable resource set based on the monitoring result, the method further comprises:

in the partial sensing mechanism, if a first condition is satisfied, performing, by the terminal, at least one of the following:

triggering a resource selection window;

in a case that periodic reservation is enabled, transmitting, by the terminal on a selectable resource of a next period, a to-be-retransmitted current transport block corresponding to a first data packet; and

discarding the first data packet.

17. The resource selection method according to claim 16, wherein the first condition comprises one of the following:

the terminal has received a non-acknowledgement of the first data packet in the resource selection window, and the terminal has no reserved resources or the terminal has no dynamically reserved resources;

the terminal has received discontinuous transmission DTX of the first data packet in the resource selection window, and the terminal has no reserved resources or the terminal has no dynamically reserved resources; and

the terminal has received no acknowledgement information for the first data packet in the resource selection window, and the terminal has no reserved resources or the terminal has no dynamically reserved resources.

18. A terminal, comprising a memory, a processor, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the resource selection method according to any one of claims 1 to 17 are implemented.

19. A network-side device, comprising:

a first sending module, configured to send configuration information of a sensing window in a partial sensing mechanism to a terminal;

wherein the configuration information of the sensing window comprises a position of the sensing window being determined based on a position of a resource selection window;

wherein when the position of the sensing window is determined based on the position of the resource selection window, a start time of the sensing window comprises one of the following:

the start time of the sensing window being a time point corresponding to a fourth time interval before a start time of the resource selection window;

the start time of the sensing window being a start time of the resource selection window;

the start time of the sensing window being a start time of a selectable resource selection window;

the start time of the sensing window being a time point corresponding to a later one of a time point corresponding to a fifth time interval before the resource selection window and the start time of the selectable resource selection window; and

the start time of the sensing window being a time point corresponding to a later one of a time point corresponding to a sixth time interval before the resource selection window and the start time of the resource selection window.