CLAIMS

1. A method for transmitting feedback information, applied to a terminal, wherein the method comprises:

receiving feedback time indication information, wherein the terminal is configured with at least one downlink semi-persistent scheduling DL SPS configuration resource, the feedback time indication information is used to indicate at least one first candidate time-domain feedback resource, the first candidate time-domain feedback resource is a candidate time-domain resource for transmission of first feedback information, the first feedback information is feedback information corresponding to a downlink data channel of a first target DL SPS, and the first target DL SPS is at least one of the at least one DL SPS;

determining a target time-domain resource based on the feedback time indication information; and

transmitting the first feedback information on the target time-domain resource;

wherein the first target DL SPS comprises at least one of the following:

all DL SPSs configured for the terminal; and

a DL SPS with a specified priority.

2. The method according to claim 1, wherein the first target DL SPS further comprises at least one of the following:

a DL SPS with a specified identifier; and

an active DL SPS.

3. The method according to claim 2, wherein the specified priority comprises a highest priority and/or a lowest priority; or the specified priority is a set of priorities, and the set of priorities comprises a plurality of priorities.

4. The method according to claim 2, wherein the feedback time indication information comprises at least one of the following:

a feedback time window, wherein the feedback time window comprises the at least one first candidate time-domain feedback resource;

a start position of the first candidate time-domain feedback resource;

a length of the first candidate time-domain feedback resource;

an end position of the first candidate time-domain feedback resource;

a quantity of the first candidate time-domain feedback resources;

a number or a set of numbers of the first candidate time-domain feedback resource; and

an offset value.

5. The method according to claim 4, wherein the feedback time window comprises at least one time unit, and each time unit comprises at least one of the first candidate time-domain feedback resources, wherein the time unit is slot, sub-slot, or subframe.

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

skipping transmitting the first feedback information on the target time-domain resource in a case that the target time-domain resource collides with a time-domain resource for downlink transmission.

7. The method according to any one of claims 1 to 5, wherein the first feedback information is feedback information for some or all of HARQ processes for the first target DL SPS.

8. The method according to any one of claims 1 to 5, wherein the receiving feedback time indication information comprises receiving the feedback time indication information sent in one of the following manners:

sending the feedback time indication information to the terminal by radio resource control RRC;

sending the feedback time indication information to the terminal by group common DCI; and

sending the feedback time indication information to the terminal by DCI specific to the terminal.

9. A method for indicating a feedback time, applied to a network-side device, wherein the method comprises:

sending feedback time indication information to a terminal, wherein the feedback time indication information is used to indicate at least one first candidate time-domain feedback resource, the first candidate time-domain feedback resource is a candidate time-domain resource for transmission of first feedback information, the first feedback information is feedback information corresponding to a downlink data channel, and the downlink data channel is a data channel corresponding to a first target DL SPS configured for the terminal;

wherein the first target DL SPS comprises at least one of the following:

all DL SPSs configured for the terminal; and

a DL SPS with a specified priority.

10. The method according to claim 9, wherein the first target DL SPS further comprises at least one of the following:

a DL SPS with a specified identifier; and

an active DL SPS.

11. The method according to claim 9, wherein the feedback time indication information comprises at least one of the following:

a feedback time window, wherein the feedback time window comprises the at least one first candidate time-domain feedback resource;

a start position of the first candidate time-domain feedback resource;

a length of the first candidate time-domain feedback resource;

an end position of the first candidate time-domain feedback resource;

a quantity of the first candidate time-domain feedback resources;

a number or a set of numbers of the first candidate time-domain feedback resource; and

an offset value.

12. An apparatus for transmitting feedback information, applied to a terminal, wherein the apparatus comprises:

a receiving module, configured to receive feedback time indication information, wherein the terminal is configured with at least one DL SPS configuration resource, the feedback time indication information is used to indicate at least one first candidate time-domain feedback resource, the first candidate time-domain feedback resource is a candidate time-domain resource for transmission of first feedback information, the first feedback information is feedback information corresponding to a downlink data channel of a first target DL SPS, and the first target DL SPS is at least one of the at least one DL SPS;

a determining module, configured to determine a target time-domain resource based on the feedback time indication information; and

a transmission module, configured to transmit the first feedback information on the target time-domain resource;

wherein the first target DL SPS comprises at least one of the following:

all DL SPSs configured for the terminal; and

a DL SPS with a specified priority.

13. The apparatus according to claim 12, wherein the first target DL SPS further comprises at least one of the following:

a DL SPS with a specified identifier; and

an active DL SPS.

14. The apparatus according to claim 13, wherein the specified priority comprises a highest priority and/or a lowest priority; or the specified priority is a set of priorities, and the set of priorities comprises a plurality of priorities.

15. The apparatus according to claim 12, wherein the feedback time indication information comprises at least one of the following:

a feedback time window, wherein the feedback time window comprises the at least one first candidate time-domain feedback resource;

a start position of the first candidate time-domain feedback resource;

a length of the first candidate time-domain feedback resource;

an end position of the first candidate time-domain feedback resource;

a quantity of the first candidate time-domain feedback resources;

a number or a set of numbers of the first candidate time-domain feedback resource; and

an offset value.

16. The apparatus according to claim 15, wherein the feedback time window comprises at least one time unit, and each time unit comprises at least one of the first candidate time-domain feedback resources, wherein the time unit is slot, sub-slot, or subframe.

17. The apparatus according to any one of claims 12 to 16, wherein the transmission module is further configured to skip transmitting the first feedback information on the target time-domain resource in a case that the target time-domain resource collides with a time-domain resource for downlink transmission.

18. The apparatus according to any one of claims 12 to 16, wherein the first feedback information is feedback information for some or all of HARQ processes for the first target DL SPS.

19. The apparatus according to any one of claims 12 to 16, wherein that the receiving module receives feedback time indication information comprises receiving the feedback time indication information sent in one of the following manners:

sending the feedback time indication information to the terminal by RRC;

sending the feedback time indication information to the terminal by group common DCI; and

sending the feedback time indication information to the terminal by DCI specific to the terminal.

20. An apparatus for indicating a feedback time, applied to a network-side device, wherein the apparatus comprises:

a sending module, configured to send feedback time indication information to a terminal, wherein the feedback time indication information is used to indicate at least one first candidate time-domain feedback resource, the first candidate time-domain feedback resource is a candidate time-domain resource for transmission of first feedback information, the first feedback information is feedback information corresponding to a downlink data channel, and the downlink data channel is a data channel corresponding to a first target DL SPS configured for the terminal;

wherein the first target DL SPS comprises at least one of the following:

all DL SPSs configured for the terminal; and

a DL SPS with a specified priority.