

What we claim is:

1. A method for transmitting feedback information, comprising:

determining, by a terminal device, a target feedback mode used for transmitting feedback information, wherein the feedback information is feedback information for a transport block
5 (TB) sent by a network device and received by the terminal device; and

using, by the terminal device, the target feedback mode to transmit the feedback information,

wherein determining, by the terminal device, the target feedback mode used for transmitting feedback information, comprises: determining, by the terminal device, the target
10 feedback mode according to a reception situation of the TB;

the target feedback mode comprises feedback via an ACK/NACK of 1 bit for the TB, or feedback via a bitmap for the TB.

2. The method according to claim 1, wherein the determining, by the terminal device, the target feedback mode according to the reception situation of the TB, comprises:

15 determining, by the terminal device, the target feedback mode from a plurality of preconfigured feedback modes according to the reception situation of the TB.

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

receiving, by the terminal device, a high-layer signaling sent by the network device, wherein the high-layer signaling comprises the plurality of feedback modes preconfigured by
20 the network device.

4. The method according to claim 2 or 3, wherein determining, by the terminal device, the target feedback mode according to the reception situation of the TB, comprises:

determining, by the terminal device, the target feedback mode according to a first parameter, wherein the first parameter indicates a number of code blocks (CBs) successfully
25 received or failed to be received in the TB, or a proportion of CBs successfully received or failed to be received to a total number of CBs.

5. The method according to claim 4, wherein determining, by the terminal device, the

target feedback mode according to the first parameter, comprises:

determining, by the terminal device, a first range corresponding to the first parameter from a plurality of ranges, wherein the plurality of ranges are ranges of a number of CBs successfully received or failed to be received in one TB, or ranges of a proportion of CBs successfully
5 received or failed to be received to a total number of CBs in one TB; and

determining, by the terminal device, the target feedback mode according to the first range and a preconfigured correspondence relationship between the plurality of ranges and the plurality of feedback modes.

6. The method according to claim 5, wherein the method further comprises:

10 receiving, by the terminal device, a high-layer signaling sent by the network device, wherein the high-layer signaling includes the correspondence relationship preconfigured by the network device;

receiving, by the terminal device, information of a resource of a physical uplink control channel (PUCCH) for transmitting the feedback information, sent by the network device,
15 wherein the resource of the PUCCH is capable of transmitting the feedback information transmitted by the terminal device using any one of the plurality of feedback modes;

wherein using, by the terminal device, the target feedback mode to transmit the feedback information, comprises:

using, by the terminal device, the target feedback mode to transmit the feedback
20 information on the resource of the PUCCH.

7. The method according to claim 1, wherein determining, by the terminal device, the target feedback mode used for transmitting feedback information, comprises:

receiving, by the terminal device, indication information sent by the network device; and

determining, by the terminal device, the target feedback mode according to the indication
25 information.

8. The method according to claim 7, wherein the indication information indicates information of a format and/or a resource of a physical uplink control channel, PUCCH used for transmitting the feedback information or the indication information indicates a feedback mode

for the terminal device to transmit the feedback information;

when the indication information indicates the information of the format and/or the resource of the physical uplink control channel (PUCCH) used for transmitting the feedback information, determining, by the terminal device, the target feedback mode according to the indication
5 information, comprises:

determining, by the terminal device, the target feedback mode according to the information of the format and/or the resource of the PUCCH; wherein determining, by the terminal device, the target feedback mode according to the information of the format and/or the resource of the PUCCH, comprises: determining, by the terminal device, that the target feedback mode is to
10 adopt an acknowledgement/negative acknowledgement (ACK/NACK) of 1 bit for the TB if the information of the format and/or the resource of the PUCCH indicates a format and/or a resource for transmitting one ACK/NACK; or determining, by the terminal device, that the target feedback mode is to adopt an ACK/NACK of a plurality of bits for the TB if the information of the format and/or the resource of the PUCCH indicates formats and/or resources
15 for transmitting a plurality of ACKs/NACKs;

wherein using, by the terminal device, the target feedback mode to transmit the feedback information, comprises:

using the format and/or the resource of the PUCCH to transmit the feedback information;

when the indication information indicates the feedback mode for the terminal device to
20 transmit the feedback information, determining, by the terminal device, the target feedback mode according to the indication information, comprises:

determining, by the terminal device, a feedback mode indicated by the indication information for transmitting the feedback information, as the target feedback mode.

9. The method according to any one of claims 1-8, wherein using, by the terminal device,
25 the target feedback mode to transmit the feedback information, comprises:

using, by the terminal device, the target feedback mode to transmit the feedback information on a data channel and/or a control channel;

when the target feedback mode comprises a first feedback mode and a second feedback

mode, using, by the terminal device, the target feedback mode to transmit the feedback information on the data channel and/or the control channel, comprises:

using the first feedback mode to transmit the feedback information on the data channel and using the second feedback mode to transmit the feedback information on the control channel;

5 wherein using the first feedback mode to transmit the feedback information on the data channel, comprises:

using, by the terminal device, the first feedback mode for feedback in a medium access control (MAC) control element (CE).

10. A method for transmitting feedback information, comprising:

10 sending, by a network device, indication information to a terminal device, wherein the indication information is used for the terminal device to determine a target feedback mode for transmitting feedback information, and the feedback information is feedback information of the terminal device for receiving a transport block (TB) sent by the network device; and

15 receiving, by the network device, the feedback information transmitted by the terminal device using the target feedback mode,

wherein the target feedback mode is determined by the terminal device according to a reception situation of the TB;

wherein the target feedback mode comprises feedback via an ACK/NACK of 1 bit for the TB, or feedback via a bitmap for the TB.

20 11. The method according to claim 10, wherein the indication information is used for indicating at least one of:

25 a plurality of feedback modes, a correspondence relationship between a plurality of ranges and a plurality of feedback modes, information of a format and/or a resource of a physical uplink control channel (PUCCH) used for transmitting the feedback information, and a feedback mode for transmitting the feedback information by the terminal device, wherein the plurality of ranges are ranges of a number of code blocks (CBs) successfully received or failed to be received in one TB, or ranges of a proportion of CBs successfully received or failed to be received to a total number of CBs in one TB.

12. The method according to claim 11, wherein when the indication information indicates the plurality of feedback modes, receiving, by the network device, the feedback information transmitted by the terminal device using the target feedback mode, comprises: receiving, by the network device, the feedback information transmitted by the terminal device using a first
5 feedback mode, wherein the first feedback mode is determined by the terminal device from the plurality of feedback modes according to a reception situation of the TB;

when the indication information indicates the correspondence relationship between the plurality of ranges and the plurality of feedback modes, receiving, by the network device, the feedback information transmitted by the terminal device using the target feedback mode,
10 comprises: receiving, by the network device, the feedback information transmitted by the terminal device using a second feedback mode, wherein the second feedback mode is determined by the terminal device according to a first range and the correspondence relationship, the first range is a range corresponding to a first parameter, and the first parameter indicates a number of code blocks (CB) successfully received or failed to be received in the TB,
15 or a proportion of the CBs successfully received or failed to be received in the total number of CBs;

when the indication information indicates the feedback mode for transmitting the feedback information by the terminal device, receiving, by the network device, the feedback information transmitted by the terminal device using the target feedback mode, comprises: receiving, by the
20 network device, the feedback information transmitted by the terminal device using the feedback mode for transmitting the feedback information indicated by the indication information; or

when the indication information indicates the information of the format and/or the resource of the PUCCH used for transmitting the feedback information, receiving, by the network device, the feedback information transmitted by the terminal device using the target feedback mode,
25 comprises: receiving, by the network device, the feedback information transmitted by the terminal device using a third feedback mode, wherein the third feedback mode is determined according to the information of the format and/or the resource of the PUCCH.

13. The method according to any one of claims 10-12, wherein sending, by the network device, the indication information to the terminal device, comprises:

sending, by the network device, a high-layer signaling to the terminal device, wherein the high-layer signaling includes the indication information, and the high-layer signaling is a radio resource control (RRC) signaling.

14. A terminal device, comprising:

5 a determination module, used for determining a target feedback mode used for transmitting feedback information, wherein the feedback information is feedback information for a transport block (TB) sent by a network device and received by the terminal device; and

a communication module, used for using the target feedback mode to transmit the feedback information,

10 wherein the determination module is used for determining the target feedback mode according to a reception situation of the TB;

wherein the target feedback mode comprises feedback via an ACK/NACK of 1 bit for the TB, or feedback via a bitmap for the TB.

15 15. The terminal device according to claim 14, wherein the determination module is used for:

determining the target feedback mode from a plurality of preconfigured feedback modes according to the reception situation of the TB.

16. The terminal device according to claim 15, wherein the communication module is used for:

20 receiving a high-layer signaling sent by the network device, wherein the high-layer signaling comprises the plurality of feedback modes preconfigured by the network device.

17. The terminal device according to claim 15 or 16, wherein the determination module is used for:

25 determining the target feedback mode according to a first parameter, wherein the first parameter indicates a number of code blocks (CBs) successfully received or failed to be received in the TB, or a proportion of CBs successfully received or failed to be received to a total number of CBs.

18. The terminal device according to claim 17, wherein the determination module is used

for:

determining a first range corresponding to the first parameter from a plurality of ranges, wherein the plurality of ranges are ranges of a number of CBs successfully received or failed to be received in one TB, or ranges of a proportion of CBs successfully received or failed to be received to a total number of CBs in one TB; and

determining the target feedback mode according to the first range and a preconfigured correspondence relationship between the plurality of ranges and the plurality of feedback modes.

19. The terminal device according to claim 18, wherein the communication module is used for:

receiving a high-layer signaling sent by the network device, wherein the high-layer signaling comprises the correspondence relationship preconfigured by the network device;

receiving information of a resource of a physical uplink control channel, PUCCH, for transmitting the feedback information, sent by the network device, wherein the resource of the PUCCH is capable of transmitting the feedback information transmitted by the terminal device using any one of the plurality of feedback modes; and

using the target feedback mode to transmit the feedback information on the resource of the PUCCH.

20. The terminal device according to claim 14, wherein the communication module is used for: receiving indication information sent by the network device;

wherein the determination module is used for: determining the target feedback mode according to the indication information, wherein the indication information indicates information of a format and/or a resource of a physical uplink control channel, PUCCH, used for transmitting the feedback information or the indication information indicates a feedback mode for the terminal device to transmit the feedback information;

when the indication information indicates the information of the format and/or the resource of the physical uplink control channel (PUCCH) used for transmitting the feedback information, the determination module is used for determining the target feedback mode according to the

information of the format and/or the resource of the PUCCH; the communication module is used for using the format and/or the resource of the PUCCH to transmit the feedback information; the determination module is used for determining that the target feedback mode is to adopt an acknowledgement/negative acknowledgement (ACK/NACK) of 1 bit for the TB if
 5 the information of the format and/or the resource of the PUCCH indicates a format and/or a resource for transmitting one ACK/NACK; or determining that the target feedback mode is to adopt an ACK/NACK of a plurality bits for the TB if the information of the format and/or the resource of the PUCCH indicates formats and/or resources for transmitting a plurality of ACKs/NACKs;

10 when the indication information indicates the feedback mode for the terminal device to transmit the feedback information, the determination module is used for determining a feedback mode indicated by the indication information for transmitting the feedback information, as the target feedback mode.

15 21. The terminal device according to any one of claims 14-20, wherein the communication module is used for:

using the target feedback mode to transmit the feedback information on a data channel and/or a control channel;

20 wherein when the target feedback mode comprises a first feedback mode and a second feedback mode, the communication module is used for using the first feedback mode to transmit the feedback information on the data channel and using the second feedback mode to transmit the feedback information on the control channel;

wherein the communication module is used for using the first feedback mode in a medium access control (MAC) control element (CE).

25 22. The terminal device according to claim 21, wherein the communication module is used for:

receiving information of a resource for transmitting an uplink data channel sent by the network device; and

using the target feedback mode to transmit the feedback information on the resource for

transmitting the uplink data channel.