

CLAIMS

1. A method for data retransmission control in a new radio (NR) system, comprising:

5 receiving, by a terminal, first downlink data, wherein the first downlink data comprises P Code Block Groups (CBGs) in N CBGs of a preset transport block, P and N are positive integers, and P is less than or equal to N;

acquiring, by the terminal, P-bit feedback information through decoding the P CBGs, wherein each bit of the feedback information indicates whether the respective

10 CBG is needed to be retransmitted; and

sending, by the terminal, information for notifying a network-side device to retransmit M CBGs, wherein the M CBGs comprise the CBGs needed to be retransmitted in the N CBGs, M is a positive integer, and M is less than or equal to N;

wherein sending, by the terminal, the information comprises:

15 sending, by the terminal, third information, wherein the third information comprises N-bit feedback information, wherein a bitmap correspondence relationship of the N-bit feedback information is the same as a sequence of the N CBGs of the preset transport block, the feedback information at bit positions corresponding to the P CBGs in the N-bit feedback information is the acquired P-bit feedback information, the
20 feedback information in the N-bit feedback information other than the P-bit feedback information is second preset information, and the third information is used for notifying the network-side device to retransmit the CBGs indicated by the acquired P-bit feedback information as being needed to be retransmitted; wherein the second preset information for the remaining N-P feedback information bits is set to positive
25 acknowledgment, ACK.

2. The method of claim 1, after sending, by the terminal, the information, further comprising:

receiving, by the terminal, the M CBGs.

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3. The method of claim 1 or 2, wherein the CBGs needed to be retransmitted in the N CBGs comprise:

the CBGs indicated by the P-bit feedback information as being needed to be

retransmitted.

4. The method of any one of claims 1-3, wherein receiving, by the terminal, the M CBGs comprises:

5 receiving, by the terminal, fourth downlink data, wherein the fourth downlink data comprises the CBGs indicated by the P-bit feedback information as being needed to be retransmitted.

10 5. A terminal in a new radio (NR) system, comprising a processing unit and a communication unit, wherein

the processing unit is configured to receive, through the communication unit, first downlink data, wherein the first downlink data comprises P Code Block Groups (CBGs) in N CBGs of a preset transport block, P and N are positive integers, and P is less than or equal to N;

15 the processing unit is further configured to acquire P-bit feedback information through decoding the P CBGs, wherein each bit of the feedback information indicates whether the corresponding CBG is needed to be retransmitted;

the processing unit is further configured to send, through the communication unit, information for notifying a network-side device to retransmit M CBGs, wherein
20 the M CBGs comprise the CBGs needed to be retransmitted in the N CBGs, M is a positive integer and M is less than or equal to N; and

the processing unit is configured to send, through the communication unit, third information, wherein the third information comprises N-bit feedback information, wherein a bitmap correspondence relationship of the N-bit feedback information is the
25 same as a sequence of the N CBGs of the preset transport block, the feedback information at bit positions corresponding to the P CBGs in the N-bit feedback information is the acquired P-bit feedback information, the feedback information in the N-bit feedback information other than the P-bit feedback information is second preset information, and the third information is used for notifying the network-side device to
30 retransmit the CBGs indicated by the acquired P-bit feedback information as being needed to be retransmitted; wherein the second preset information for the remaining N-P feedback information bits is set to positive acknowledgment, ACK.

6. The terminal of claim 5, wherein after sending the information, the processing unit is further configured to receive, through the communication unit, the M CBGs.
- 5 7. The terminal of claim 5 or 6, wherein the CBGs needed to be retransmitted in the N CBGs comprise:
- the CBGs indicated by the P-bit feedback information as being needed to be retransmitted.
- 10 8. The terminal of any of claims 5 to 7, wherein the processing unit is configured to receive, through the communication unit, fourth downlink data, wherein the fourth downlink data comprises the CBGs indicated by the P-bit feedback information as being needed to be retransmitted.
- 15 9. A network-side device in a new radio (NR) system, comprising a processing unit and a communication unit, wherein
- the processing unit is configured to send, through the communication unit, first downlink data, wherein the first downlink data comprises P Code Block Groups (CBGs) in N CBGs of a preset transport block, P and N are positive integers and P is less than
- 20 or equal to N; and
- the processing unit is further configured to receive, through the communication unit, information for notifying the network-side device to retransmit M CBGs, wherein the M CBGs comprise the CBGs needed to be retransmitted in the N CBGs, M is a positive integer and M is less than or equal to N;
- 25 the processing unit is configured to receive third information, wherein the third information comprises N-bit feedback information, wherein a bitmap correspondence relationship of the N-bit feedback information is the same as a sequence of the N CBGs in the preset transport block, the feedback information at bit positions corresponding to the P CBGs in the N-bit feedback information is the acquired P-bit feedback
- 30 information, and the feedback information in the N-bit feedback information other than the P-bit feedback information is second preset information, and the third information is used for retransmitting the CBGs indicated by the acquired P-bit feedback

information as being needed to be retransmitted; wherein the second preset information for the remaining N-P feedback information bits is set to positive acknowledgment, ACK.

5 10. The network-side device of claim 9, wherein after receiving the information, the processing unit is further configured to retransmit the M CBGs.

11. The network-side device of claim 9, wherein the CBGs needed to be retransmitted in the N CBGs comprise:

10 the CBGs indicated by the P-bit feedback information as being needed to be retransmitted.

12. The network-side device of any of claims 9 to 11, wherein the processing unit is further configured to send, through the communication unit, fourth downlink data,

15 wherein the fourth downlink data comprises the CBGs indicated by the acquired P-bit feedback information as being needed to be retransmitted.