

What we claim is:

1. A method for transmitting feedback response information, comprising:

receiving, by a terminal, configuration information from a network device;

determining, by the terminal, a largest number of pieces of feedback response information

5 corresponding to one physical shared channel according to the configuration information;

determining, by the terminal, a bit length of a first information field according to the largest number of pieces of the feedback response information, wherein the first information field is in a downlink controlling signaling received by the terminal;

determining, by the terminal, a feedback response information sequence to be transmitted
10 in a target time unit according to the first information field; and

sending, by the terminal, the feedback response information sequence in the target time unit,

characterized in that, determining, by the terminal, the bit length of the first information field in the downlink control signaling according to the largest number of pieces of the
15 feedback response information, comprises:

when the largest number of pieces of the feedback response information corresponding to one physical shared channel is greater than or equal to a first threshold, determining that the bit length of the first information field is N bits, wherein N is a positive integer.

2. The method of claim 1, wherein determining, by the terminal, the largest number of
20 pieces of the feedback response information corresponding to one physical shared channel according to the configuration information, comprises:

determining, by the terminal, that a multi-codeword transmission mode is used in downlink according to the configuration information; and

determining, by the terminal, that the largest number of pieces of the feedback response
25 information corresponding to one physical shared channel is a maximum codeword number under the multi-codeword transmission mode.

3. The method of claim 1, wherein the terminal uses a single-codeword transmission mode;

determining, by the terminal, the largest number of pieces of the feedback response information corresponding to one physical shared channel according to the configuration information, comprises:

5 determining, by the terminal, a largest number of code block groups comprised in one transport block according to the configuration information; and

determining, by the terminal, that the largest number of pieces of the feedback response information corresponding to one physical shared channel is the largest number of the code block groups comprised in one transport block.

10 4. The method of claim 1, wherein the terminal uses the multi-codeword transmission mode; determining, by the terminal, the largest number of pieces of the feedback response information corresponding to one physical shared channel according to the configuration information, comprises:

determining, by the terminal, a largest number of code block groups comprised in each transport block according to the configuration information; and

15 determining, by the terminal, that the largest number of pieces of the feedback response information corresponding to one physical shared channel is a sum of the largest number of the code block groups comprised in each transport block.

20 5. The method of claim 1, wherein determining, by the terminal, the largest number of pieces of the feedback response information corresponding to one physical shared channel according to the configuration information, comprises:

determining, by the terminal, a largest number of code block groups comprised in one physical shared channel according to the configuration information; and

25 determining, by the terminal, that the largest number of pieces of the feedback response information corresponding to one physical shared channel is the largest number of the code block groups comprised in one physical shared channel.

6. The method of any one of claims 1 to 5, wherein determining, by the terminal, the feedback response information sequence in the target time unit according to the first information field, comprises:

determining, by the terminal, a bit length of the feedback response information sequence and/or a bit position, in the feedback response information sequence, of feedback response information corresponding to each physical shared channel.

5 7. The method of claim 1, wherein a default value for the bit length of the first information field is T bits, wherein T is a positive integer; and

when the bit length of the first information field is N bits, T is less than or equal to N; and

when the bit length of the first information field is M bits, T is less than or equal to M.

8. The method of any one of claims 1 to 7, wherein the first information field is a downlink allocation index (DAI) in downlink control signaling.

10 9. The method of claim 8, wherein the DAI comprises a total DAI and a counter DAI;

the total DAI is used for determining a total bit length of the feedback response information sequence; and

15 the counter DAI is used for determining a physical downlink shared channel scheduled by downlink control signaling or a bit position, in the feedback response information sequence, of feedback response information corresponding to the downlink control signaling.

10. A terminal, comprising: a processor, a memory, a communication interface, and one or more programs, wherein the one or more programs are stored in the memory and configured to be executed by the processor, and the program comprises instructions for performing the acts of the method of any one of claims 1-9.

20 11. A computer-readable storage medium, wherein the computer-readable storage medium stores computer programs for electronic data exchange, wherein the computer programs enable a computer to implement the method of any one of claims 1-9.