CLAIMS

1. A method for determining a length of feedback response information, comprising:

receiving, by a terminal, configuration signaling sent by a network-side device, the configuration signaling comprising an indication about a maximum transmission delay for feedback response information;

dynamically determining, by the terminal, a hybrid automatic repeat request (HARQ) feedback timing;

determining, by the terminal, a total number of bits of feedback response information to be transmitted according to the maximum transmission delay, wherein the maximum transmission delay is a maximum time interval between a time unit where downlink data is carried and a time unit where the feedback response information for the downlink data is carried; and

sending, by the terminal to the network-side device, the feedback response information to be transmitted with the total number of bits.

2. The method of claim 1, wherein determining, by the terminal, the total number of bits of the feedback response information to be transmitted according to the maximum transmission delay comprises:

determining, by the terminal, the total number of bits of the feedback response information to be transmitted according to the maximum transmission delay and a minimum transmission delay.

3. The method of claim 1 or 2, wherein determining, by the terminal, the total number of bits of the feedback response information to be transmitted according to the maximum transmission delay comprises:

determining, by the terminal, the total number of bits of the feedback response information to be transmitted according to a difference between the maximum transmission delay and a minimum transmission delay.

4. The method of any one of claims 1-3, wherein sending, by the terminal to the network device, the feedback response information to be transmitted with the total number of bits comprises:

jointly coding, by the terminal, the feedback response information and sending the coded feedback response information; or

sending, by the terminal, the feedback response information through a physical channel.

5. A terminal, comprising a processing unit and a transceiver unit connected with the processing unit, wherein

the transceiver unit is configured to receive configuration signaling sent by a network-side device, the configuration signaling comprising an indication about a maximum transmission delay for feedback response information;

the processing unit is configured to dynamically determine a hybrid automatic repeat request (HARQ) feedback timing and determine a total number of bits of feedback response information to be transmitted according to the maximum transmission delay, wherein the maximum transmission delay is a maximum time interval between a time unit where downlink data is carried and a time unit where the feedback response information for the downlink data is carried; and

the transceiver unit is configured to send the feedback response information to be transmitted with the total number of bits to the network-side device.

6. The terminal of claim 5, wherein the processing unit is configured to:

determine the total number of bits of the feedback response information to be transmitted according to the maximum transmission delay and a minimum transmission delay.

7. The terminal of claim 5 or 6, wherein the processing unit is configured to:

determine the total number of bits of the feedback response information to be transmitted according to a difference between the maximum transmission delay and a minimum transmission delay.

8. The terminal of any one of claims 5-7, wherein

the processing unit is configured to determine the total number of bits of the feedback response information to be transmitted according to the maximum transmission delay, the total number of bits $N=C*(T_{max}-T_{min})$,

where T_{max} is the maximum transmission delay, T_{min} is a nonnegative integer less than T_{max}, and C is a positive integer.

9. The terminal of claim 5, wherein the processing unit is configured to:

determine the total number of bits of the feedback response information to be transmitted according to the maximum transmission delay, a minimum transmission delay and $M_{non\text{-}DL}$, $M_{non\text{-}DL}$ being a value less than the maximum transmission delay.

10. The terminal of claim 5 or 9, wherein the processing unit is configured to:

determine the total number of bits of the feedback response information to be transmitted according to a value obtained by subtracting a minimum transmission delay and $M_{non\text{-}DL}$ from the maximum transmission delay, $M_{non\text{-}DL}$ being a value less than the maximum transmission delay.

11. The terminal of claim 5, 9 or 10, wherein

the processing unit is configured to determine the total number of bits of the feedback response information to be transmitted according to the maximum transmission delay, the total number of bits $N=C*(T_{max}-T_{min}-M_{non\text{-}DL})$,

where T_{max} is the maximum transmission delay, T_{min} and $M_{non\text{-}DL}$ are nonnegative integers less than T_{max}, and C is a positive integer.

12. The terminal of any one of claims 9-11, wherein

$M_{non\text{-}DL}$ is a number of all first-type time units between a transmission time unit $Y\text{-}T_{max}$ and a transmission time unit $Y\text{-}T_{min}$, a transmission time unit Y being a time unit for transmission of the feedback response information to be transmitted.

13. The terminal of claim 12, wherein

the first-type time unit comprises at least one of an uplink (UL) time unit, a time unit when the terminal performs no transmission of a physical shared channel, or a time unit when the terminal does not monitor downlink (DL) control signaling.

14. The terminal of claim 8 or 11, wherein C is a maximum number of bits of feedback response information corresponding to a physical downlink shared channel

(PDSCH) and the maximum number of bits of the feedback response information corresponding to the PDSCH is:

a maximum number of transport blocks (TBs) carried in the PDSCH; or

a maximum number of code block (CB) groups carried in the PDSCH.

15. The terminal of any one of claims 5-14, wherein

the transceiver unit is configured to jointly code the feedback response information and send the coded feedback response information; or

the transceiver unit is configured to send the feedback response information through a physical channel.