

CLAIMS:

1. A method for transmitting information, comprising:

receiving, by a terminal, a first downlink control information (DCI), the first DCI being used for scheduling the terminal to transmit uplink data through a physical uplink shared channel (PUSCH) in a target time unit;

receiving, by the terminal, a second DCI, feedback response information of the second DCI being transmitted in the target time unit, and transmission time of the second DCI being before the target time unit or the same as the target time unit; and

transmitting, by the terminal according to the transmission time of the second DCI, the feedback response information of the second DCI through the PUSCH in the target time unit.

2. The method according to claim 1, wherein the determining, by the terminal according to the transmission time of the second DCI, to transmit the feedback response information of the second DCI through the PUSCH in the target time unit comprises:

determining, by the terminal, a time interval between the transmission time of the second DCI and the target time unit or between the transmission time of the second DCI and a starting position of the PUSCH; and

transmitting, by the terminal according to the time interval, the feedback response information of the second DCI through the PUSCH in the target time unit.

3. The method according to claim 2, the transmitting, by the terminal according to the transmission time of the second DCI, the feedback response information of the second DCI through the PUSCH in the target time unit comprises:

transmitting, by the terminal according to the time interval and a preset time interval, the feedback response information of the second DCI through the PUSCH in the target time unit.

4. The method according to claim 2, wherein the transmitting, by the terminal according to the time interval, the feedback response information of the second DCI through the PUSCH in the target time unit comprises:

determining, by the terminal, that the time interval is not less than a preset time interval, performing rate matching on the uplink data scheduled by the first DCI according to a number of bits of the feedback response information of the second DCI or at least one resource occupied by the feedback response information of the second DCI; and

transmitting, by the terminal through the PUSCH, the feedback response information of the second DCI and the uplink data being rate matched.

5. The method according to claim 1, wherein the second DCI comprises a plurality of DCIs, each DCI having feedback response information.

6. The method according to any one of claims 3-5, wherein the method further comprises:
transmitting, by the terminal, the preset time interval to a network device; or
transmitting, by the terminal, information of terminal capability to the network device, the information of terminal capability comprises the preset time interval.

7. The method according to any one of claims 3-5, wherein a value of the preset time interval is determined by a preset protocol or by a configuration of the network device.

8. A terminal, comprising a processing unit and a communication unit,
wherein the processing unit is configured to receive, via the communication unit, a first downlink control information (DCI), the first DCI being used for scheduling the terminal to transmit uplink data through a physical uplink shared channel (PUSCH) in a target time unit; receive, via the communication unit, a second DCI, feedback response information of the second DCI being transmitted in the target time unit, and transmission time of the second DCI being before the target time unit or the same as the target time unit; and transmit, according to the transmission time of the second DCI, the feedback response information of the second DCI through the PUSCH in the target time unit.

9. The terminal according to claim 8, wherein the processing unit is configured to:
determine a time interval between the transmission time of the second DCI and the target time unit or between the transmission time of the second DCI and a starting position of the PUSCH; and

transmit, via the communication unit according to the time interval, the feedback response information of the second DCI through the PUSCH in the target time unit.

10. The terminal according to claim 9, the processing unit is configured to:
transmit, via the communication unit according to the time interval and a preset time interval, the feedback response information of the second DCI through the PUSCH in the target time unit.

11. The terminal according to claim 9, wherein the processing unit is configured to:

determine that the time interval is not less than a preset time interval, performing rate matching on the uplink data scheduled by the first DCI according to a number of bits of the feedback response information of the second DCI or at least one resource occupied by the feedback response information of the second DCI; and

transmit, via the communication unit through the PUSCH, the feedback response information of the second DCI and the uplink data being rate matched.

12. The terminal according to claim 8, wherein the second DCI comprises a plurality of DCIs, each DCI having feedback response information.

13. The terminal according to any one of claims 10-12, wherein the processing unit is further configured to:

transmit, via the communication unit, the preset time interval to a network device; or

transmit, via the communication unit, information of terminal capability to the network device, the information of terminal capability comprises the preset time interval.

14. The terminal according to any one of claims 10-12, wherein a value of the preset time interval is determined by a preset protocol or by a configuration of the network device.

15. A network device, comprising a processing unit and a communication unit,

wherein the processing unit is configured to transmit, via the communication unit, a first downlink control information (DCI), the first DCI being used for scheduling a terminal to transmit uplink data through a physical uplink shared channel (PUSCH) in a target time unit; transmit, via the communication unit, a second DCI, feedback response information of the second DCI being transmitted in the target time unit, and transmission time of the second DCI being before the target time unit or the same as the target time unit; and receive, according to the transmission time of the second DCI, the feedback response information of the second DCI through the PUSCH in the target time unit.