

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

wherein the method further 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;

when 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.

2. The method according to claim 1, 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.

3. The method according to claim 1, wherein a value of the preset time interval is determined by a preset protocol or by a configuration of the network device.

4. 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;

wherein the processing unit is configured to transmit, via the communication unit,

feedback response information of the second DCI 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; 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; when the time interval is not less than a preset time interval, perform 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.

5. The terminal according to claim 4, 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.

6. The terminal according to claim 4, wherein a value of the preset time interval is determined by a preset protocol or by a configuration of the network device.

7. 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 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;

wherein the processing unit is further configured to:

determine, according to the time interval, to receive the feedback response information of the second DCI through the PUSCH in the target time unit; when the time interval is not less than a preset time interval, perform rate de-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 resource occupied by the feedback response information of the second DCI; and demodulate

the uplink data and the feedback response information of the second DCI.

8. The network device according to claim 7, wherein the processing unit is further configured to:

receive, via the communication unit, the preset time interval from a terminal; or

receive, via the communication unit, information of terminal capability from the terminal, the information of terminal capability comprises the preset time interval.

9. The network device according to claim 7, wherein a value of the preset time interval is determined by a preset protocol or by a configuration of the network device.

10. A method for transmitting information, comprising:

transmitting, by a network device, 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;

transmitting, by the network device, 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

determining, by the network device, 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,

wherein the method further comprises:

determining, by the network device according to the time interval, to receive the feedback response information of the second DCI through the PUSCH in the target time unit; when the time interval is not less than a preset time interval, performing rate de-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 resource occupied by the feedback response information of the second DCI; and

demodulating the uplink data and the feedback response information of the second DCI.

11. The method according to claim 10, wherein the method further comprises:

receiving, by the network device, the preset time interval from the terminal; or

receiving, by the network device, information of terminal capability from the terminal, the information of terminal capability comprises the preset time interval.

12. The method according to claim 10, wherein a value of the preset time interval is determined by a preset protocol or by a configuration of the network device.