

CLAIMS

1. A wireless communication method, comprising:

determining, by a terminal device, data amount of currently buffered uplink data and information about data of a target type in the currently buffered uplink data; and

transmitting, by the terminal device, a first message to a network device, wherein the first message is configured to indicate the data amount of the currently buffered uplink data and the information about the data of the target type;

wherein the information about the data of the target type comprises a location of the data of the target type in the logical channel in which the data of the target type is located, and the location of the data of the target type in the logical channel in which the data of the target type is located is configured to indicate data amount in the logical channel in which the data of the target type is located before the data of the target type.

2. The method of claim 1, wherein the information about the data of the target type further comprises at least one of the following:

information about whether the currently buffered uplink data comprises the data of the target type;

data amount of the data of the target type; and

a logical channel or a logical channel group in which the data of the target type is located.

3. The method of claim 1 or 2, wherein the data of the target type is data of intra-coded frame type.

4. The method of any one of claims 1 to 3, wherein the first message is a buffer status report.

5. The method of claim 4, wherein the buffer status report is a long buffer status report, a short buffer status report, or a truncated buffer status report.

6. The method of any one of claims 1 to 5, wherein the information about the data of the target type is configured to indicate that the currently buffered uplink data comprises the data of the target type, and indicate the logical channel or the logical channel group in which the data of the target type is located, enabling the network device to perform a priority scheduling

for the logical channel or the logical channel group in which the data of the target type is located.

7. The method of any one of claims 1 to 6, wherein the method further comprises:

receiving, by the terminal device, a second message that is transmitted by the network device according to the first message, wherein the second message is configured to perform a priority scheduling for the terminal device or a priority scheduling for the logical channel or the logical channel group in which the data of the target type is located; and

transmitting, by the terminal device, the currently buffered uplink data according to the second message.

8. A terminal device, comprising: a processing unit and a communicating unit; wherein the processing unit is configured to determine data amount of currently buffered uplink data and information about data of a target type in the currently buffered uplink data; and

the communicating unit is configured to transmit a first message to a network device, wherein the first message is configured to indicate the data amount of the currently buffered uplink data and the information about the data of the target type;

wherein the information about the data of the target type comprises a location of the data of the target type in the logical channel in which the data of the target type is located, and the location of the data of the target type in the logical channel in which the data of the target type is located is configured to indicate data amount in the logical channel in which the data of the target type is located before the data of the target type.

9. The terminal device of claim 8, wherein the information about the data of the target type further comprises at least one of the following:

information about whether the currently buffered uplink data comprises the data of the target type;

data amount of the data of the target type; and

a logical channel or a logical channel group in which the data of the target type is located.

10. The terminal device of claim 8 or 9, wherein the data of the target type is data of intra-coded frame type.

11. The terminal device of any one of claims 8 to 10, wherein the first message is a buffer status report.

12. The terminal device of claim 11, wherein the buffer status report is a long buffer status

report, a short buffer status report, or a truncated buffer status report.

13. The terminal device of any one of claims 8 to 12, wherein the information about the data of the target type is configured to indicate that the currently buffered uplink data comprises the data of the target type, and indicate the logical channel or the logical channel group in which the data of the target type is located, enabling the network device to perform a priority scheduling for the logical channel or the logical channel group in which the data of the target type is located.

14. The terminal device of any one of claims 8 to 13, wherein the communicating unit is further configured to:

receive a second message that is transmitted by the network device according to the first message, wherein the second message is configured to perform a priority scheduling for the terminal device or a priority scheduling for the logical channel or the logical channel group in which the data of the target type is located; and

transmit the currently buffered uplink data according to the second message.

15. A network device, comprising: a processing unit and a communicating unit; wherein the communicating unit is configured to receive a first message transmitted by the terminal device, wherein the first message is configured to indicate data amount of currently buffered uplink data in the terminal device and information about data of a target type in the currently buffered uplink data; and

the processing unit is configured to perform a scheduling for the terminal device according to the first message;

wherein the information about the data of the target type comprises a location of the data of the target type in the logical channel in which the data of the target type is located, and the location of the data of the target type in the logical channel in which the data of the target type is located is configured to indicate data amount in the logical channel in which the data of the target type is located before the data of the target type.