

CLAIMS

What is claimed is:

1. An uplink transmission drop method, applied to a terminal and comprising:
receiving configuration information transmitted by a network device, wherein the
5 configuration information is used for configuring target service information for uplink
transmissions and uplink transmission drop parameters corresponding to the target
service information; and
dropping uplink transmissions based on the uplink transmission drop parameters;
wherein the uplink transmission drop parameter is used to indicate any one of the
10 following:
an uplink transmission drop number or an uplink transmission drop rate for first
service information in uplink transmissions corresponding to the first service
information;
an uplink transmission drop number or an uplink transmission drop rate for second
15 service information in uplink transmissions corresponding to N pieces of first service
information, wherein N is an integer greater than 1 and the second service information
is one of the N pieces of first service information;
an uplink transmission drop number for the first service information or the second
service information within a preset period; and
20 an uplink transmission drop rate for the first service information or the second
service information within a preset period; wherein
the first service information is service information contained in the target service
information;
wherein in a case that the uplink transmission drop parameter is used to indicate
25 an uplink transmission drop number for first service information in uplink transmissions
corresponding to the first service information, the uplink transmission drop parameter
comprises a number of first uplink transmissions corresponding to the first service

information and an allowed number of drops in the number of first uplink transmissions;
or,

wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for second service information in uplink transmissions corresponding to N pieces of first service information, the uplink transmission drop parameter comprises a number of second uplink transmissions and an allowed number of drops for the second service information in the number of second uplink transmissions, wherein the number of second uplink transmissions is a sum of numbers of uplink transmissions corresponding to the N pieces of first service information; or,

wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for the first service information or the second service information within a preset period, the uplink transmission drop parameter comprises duration of the preset period and an allowed number of dropped third uplink transmissions for the first service information or the second service information within the preset period.

2. The method according to claim 1, wherein the target service information is in one-to-one correspondence to the uplink transmission drop parameters.

3. The method according to claim 1, wherein the target service information comprises service information corresponding to at least one of the following service types:

channel type;

uplink transmission priority;

logical channel index;

logical channel priority;

reliability grade; and

latency grade.

4. The method according to claim 3, wherein in a case that there are at least two pieces of third service information under one service type of one target uplink transmission, determining fourth service information of the target uplink transmission

according to a configuration by a network device or a protocol specification, wherein the fourth service information is one of the at least two pieces of third service information.

5 5. The method according to claim 4, wherein in a case that the service type corresponding to the third service information is uplink transmission priority or logical channel priority, the fourth service information is first priority information, wherein a priority corresponding to the first priority information is higher or lower than a priority corresponding to second priority information, the first priority information is one of the at least two pieces of third service information, and the second priority information is
10 priority information corresponding to service information other than the fourth service information in the at least two pieces of third service information; and/or

 in a case that the service type corresponding to the third service information is logical channel index, the fourth service information is first logical channel index information, wherein a logical channel index corresponding to the first logical channel
15 index information is greater or less than a logical channel index corresponding to second logical channel index information, the first logical channel index information is one of the at least two pieces of third service information, and the second logical channel index information is logical channel index information corresponding to service information other than the fourth service information in the at least third service
20 information; and/or

 in a case that the service type corresponding to the third service information is reliability grade or latency grade, the fourth service information is first grade information, wherein a grade corresponding to the first grade information is higher or lower than a grade corresponding to second grade information, the first grade
25 information is one of the at least two pieces of third service information, and the second grade information is grade information corresponding to service information other than the fourth service information in the at least third service information.

 6. An uplink transmission drop configuration method, applied to a network device, and comprising:

transmitting configuration information, wherein the configuration information is used for configuring target service information for uplink transmissions and uplink transmission drop parameters corresponding to the target service information;

5 wherein the uplink transmission drop parameter is used to indicate any one of the following:

an uplink transmission drop number or an uplink transmission drop rate for first service information in uplink transmissions corresponding to the first service information;

10 an uplink transmission drop number or an uplink transmission drop rate for second service information in uplink transmissions corresponding to N pieces of first service information, wherein N is an integer greater than 1 and the second service information is one of the N pieces of first service information;

an uplink transmission drop number for the first service information or the second service information within a preset period; and

15 an uplink transmission drop rate for the first service information or the second service information within a preset period; wherein

the first service information is service information contained in the target service information;

20 wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for first service information in uplink transmissions corresponding to the first service information, the uplink transmission drop parameter comprises a number of first uplink transmissions corresponding to the first service information and an allowed number of drops in the number of first uplink transmissions; or,

25 wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for second service information in uplink transmissions corresponding to N pieces of first service information, the uplink transmission drop parameter comprises a number of second uplink transmissions and an allowed number of drops for the second service information in the number of second uplink transmissions, wherein the number of second uplink transmissions is a sum of

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numbers of uplink transmissions corresponding to the N pieces of first service information; or,

wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for the first service information or the second
5 service information within a preset period, the uplink transmission drop parameter comprises duration of the preset period and an allowed number of dropped third uplink transmissions for the first service information or the second service information within the preset period.

7. The method according to claim 6, wherein the target service information is in
10 one-to-one correspondence to the uplink transmission drop parameters.

8. The method according to claim 6, wherein the target service information comprises service information corresponding to at least one of the following service types:

channel type;
15 uplink transmission priority;
logical channel index;
logical channel priority;
reliability grade; and
latency grade.

20 9. The method according to claim 8, wherein in a case that there are at least two pieces of third service information under one service type of one target uplink transmission, fourth service information of the target uplink transmission is determined according to a configuration by a network device or a protocol specification, wherein the fourth service information is one of the at least two pieces of third service
25 information.

10. The method according to claim 9, wherein
in a case that the service type corresponding to the third service information is uplink transmission priority or logical channel priority, the fourth service information is first priority information, wherein a priority corresponding to the first priority
30 information is higher or lower than a priority corresponding to the second priority

information, the first priority information is one of the at least two third service information, and the second priority information is priority information corresponding to service information other than the fourth service information in the at least two pieces of third service information; and/or

- 5 in a case that the service type corresponding to the third service information is logical channel index, the fourth service information is first logical channel index information, wherein a logical channel index corresponding to the first logical channel index information is greater or less than a logical channel index corresponding to second logical channel index information, the first logical channel index information is
10 one of the at least two pieces of third service information, and the second logical channel index information is logical channel index information corresponding to service information other than the fourth service information in the at least third service information; and/or

- in a case that the service type corresponding to the third service information is
15 reliability grade or latency grade, the fourth service information is first grade information, wherein a grade corresponding to the first grade information is higher or lower than a grade corresponding to second grade information, the first grade information is one of the at least two pieces of third service information, and the second grade information is grade information corresponding to service information other than
20 the fourth service information in the at least third service information.

11. A terminal, comprising:

- a receiving module, configured to receive configuration information transmitted by a network device, wherein the configuration information is used for configuring target service information for uplink transmissions and uplink transmission drop
25 parameters corresponding to the target service information; and

 a first transmitting module, configured to drop uplink transmissions based on the uplink transmission drop parameters;

 wherein the uplink transmission drop parameter is used to indicate any one of the following:

an uplink transmission drop number or an uplink transmission drop rate for first service information in uplink transmissions corresponding to the first service information;

an uplink transmission drop number or an uplink transmission drop rate for second service information in uplink transmissions corresponding to N pieces of first service information, wherein N is an integer greater than 1 and the second service information is one of the N pieces of first service information;

an uplink transmission drop number for the first service information or the second service information within a preset period; and

an uplink transmission drop rate for the first service information or the second service information within a preset period; wherein

the first service information is service information contained in the target service information;

wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for first service information in uplink transmissions corresponding to the first service information, the uplink transmission drop parameter comprises a number of first uplink transmissions corresponding to the first service information and an allowed number of drops in the number of first uplink transmissions; or,

wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for second service information in uplink transmissions corresponding to N pieces of first service information, the uplink transmission drop parameter comprises a number of second uplink transmissions and an allowed number of drops for the second service information in the number of second uplink transmissions, wherein the number of second uplink transmissions is a sum of numbers of uplink transmissions corresponding to the N pieces of first service information; or,

wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for the first service information or the second service information within a preset period, the uplink transmission drop parameter

comprises duration of the preset period and an allowed number of dropped third uplink transmissions for the first service information or the second service information within the preset period.

12. A network device, comprising:

5 a second transmitting module, configured to transmit configuration information, wherein the configuration information is used for configuring target service information for uplink transmissions and uplink transmission drop parameters corresponding to the target service information;

10 wherein the uplink transmission drop parameter is used to indicate any one of the following:

 an uplink transmission drop number or an uplink transmission drop rate for first service information in uplink transmissions corresponding to the first service information;

15 an uplink transmission drop number or an uplink transmission drop rate for second service information in uplink transmissions corresponding to N pieces of first service information, wherein N is an integer greater than 1 and the second service information is one of the N pieces of first service information;

 an uplink transmission drop number for the first service information or the second service information within a preset period; and

20 an uplink transmission drop rate for the first service information or the second service information within a preset period; wherein

 the first service information is service information contained in the target service information;

25 wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for first service information in uplink transmissions corresponding to the first service information, the uplink transmission drop parameter comprises a number of first uplink transmissions corresponding to the first service information and an allowed number of drops in the number of first uplink transmissions;
or,

wherein in a case that the uplink transmission drop parameter is used to indicate an uplink transmission drop number for second service information in uplink transmissions corresponding to N pieces of first service information, the uplink transmission drop parameter comprises a number of second uplink transmissions and
5 an allowed number of drops for the second service information in the number of second uplink transmissions, wherein the number of second uplink transmissions is a sum of numbers of uplink transmissions corresponding to the N pieces of first service information; or,

wherein in a case that the uplink transmission drop parameter is used to indicate
10 an uplink transmission drop number for the first service information or the second service information within a preset period, the uplink transmission drop parameter comprises duration of the preset period and an allowed number of dropped third uplink transmissions for the first service information or the second service information within the preset period.

15 13. A terminal, comprising a memory, a processor, and a program stored in the memory and capable of running on the processor, wherein when the program is executed by the processor, the steps of the uplink transmission drop method according to any one of claims 1 to 5 are implemented.

20 14. A network device, comprising a memory, a processor, and a program stored in the memory and capable of running on the processor, wherein when the program is executed by the processor, the steps of the uplink transmission drop configuration method according to any one of claims 6 to 10 are implemented.

25 15. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the uplink transmission drop method according to any one of claims 1 to 5 are implemented.

30 16. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the uplink transmission drop configuration method according to any one of claims 6 to 10 are implemented.