

CLAIMS

1. ~~A service indication method, wherein the method comprises:~~

~~generating a quality of service measurement report, wherein the quality of service measurement report comprises link indication information and quality of service information of a link, the link indication information indicates a plurality of links carrying services, and the quality of service information of a link comprises a number of media access control service data units lost on each of the plurality of links carrying services; and~~

~~sending the quality of service measurement report.~~

2. ~~A service indication method, wherein the method comprises:~~

~~receiving a quality of service measurement report, wherein the quality of service measurement report comprises link indication information and quality of service information of a link, the link indication information indicates a plurality of links carrying services, and the quality of service information of a link comprises a number of media access control service data units lost on each of the plurality of links carrying services; and~~

~~determining, based on the quality of service measurement report, quality of service of each of the plurality of links carrying services.~~

3. ~~The method according to claim 1 or 2, wherein the link indication information comprises a number of the plurality of links carrying services and a link identifier of each of the plurality of links carrying services.~~

4. ~~The method according to claim 1 or 2, wherein the link indication information is implemented by using a bitmap, and a first value of the bitmap indicates the plurality of links carrying services.~~

5. ~~The method according to any one of claims 1 to 4, wherein the quality of service measurement report further comprises at least one piece of the following information: a traffic classification service identifier, actual measurement start time of the quality of service measurement report, a total number of media access control service data units successfully sent on the plurality of links carrying services, a total number of media access control service data units discarded on the plurality of links carrying services, a total number of media access control service data units unsuccessfully sent on the plurality of links carrying services, a total number of media access control service data units retransmitted for a plurality of times on the plurality of links~~

carrying services, an average transmit delay of the plurality of links carrying services, a number of times of receiving no acknowledgement on each of the plurality of links carrying services, a number of times of receiving an overlapping basic service set on each of the plurality of links carrying services, a channel load of each of the plurality of links carrying services, a basic delay range, and a total number of media access control service data units on the plurality of links carrying services within at least one delay range, wherein the at least one delay range is obtained based on the basic delay range.

61. A service indication method, wherein the method comprises:

generating quality of service requirement information, wherein the quality of service requirement information comprises packet loss rate indication information, wherein the packet loss rate indication information comprises an acceptable maximum packet loss rate and a reference number of service data packets, wherein the reference number of service data packets indicates a reference measurement number for counting the packet loss rate; and

sending the quality of service requirement information.

72. A service indication method, wherein the method comprises:

receiving quality of service requirement information, wherein the quality of service requirement information comprises packet loss rate indication information, wherein the packet loss rate indication information comprises an acceptable maximum packet loss rate and a reference number of service data packets, wherein the reference number of service data packets indicates a reference measurement number for counting the packet loss rate; and

determining a quality of service requirement based on the quality of service requirement information.

~~8. The method according to claim 6 or 7, wherein the packet loss rate indication information comprises an acceptable maximum number of lost packets and a reference number of service data packets.~~

~~9. The method according to claim 6 or 7, wherein the packet loss rate indication information comprises an acceptable maximum packet loss rate and a reference number of service data packets.~~

3. The method according to claim 1 or 2, wherein the acceptable maximum packet loss rate is a value of an index which indicates a maximum packet loss rate, a mapping relationship exists between the index and the maximum packet loss rate.

4. The method according to any one of claims 1 to 3, wherein the quality of service

requirement information further comprises: delay bound indicating an allowed maximum delay of a traffic stream.

5 5. The method according to any one of claims 1 to 4, wherein the quality of service requirement information further comprises: transmission direction indicating a direction of a traffic stream, the transmission direction comprises one of uplink, downlink, direct link, or uplink and downlink.

6. The method according to any one of claims 1 to 5, wherein the quality of service requirement information further comprises at least one of:

10 an element identifier identifying an element carrying the quality of service requirement information;

length indicating a number of bytes occupied by the element;

traffic identifier bitmap indicating a traffic identifier, TID, corresponding to the element;

minimum service interval indicating a minimum interval between any two service periods of a traffic stream;

15 maximum service interval indicating a maximum interval between any two service periods of a traffic stream;

service start time indicating start time of a service;

minimum data rate indicating a minimum data rate corresponding to a location of a service access point at a media access control, MAC, layer;

20 mean data rate indicating a mean data rate corresponding to a location of a service access point at a MAC layer; or

burst size indicating a maximum burst size of a traffic stream.

107. The method according to any one of claims 6-1 to 96, wherein the quality of service requirement information further comprises:

25 indication information indicating whether to enable triggering, based on an average packet loss rate, sending the quality of service requirement information, and a threshold of the average packet loss rate.

118. The method according to any one of claims 6-1 to 107, wherein the quality of service requirement information further comprises at least one piece of the following information:

30 indication information indicating whether a service is a high-reliability service, maximum delay jitter of a service, indication information indicating whether to use a backup transmission mode,

indication information indicating an expected channel access manner, and indication information indicating whether a restricted service period needs to be established.

~~12. A service indication apparatus, comprising a unit configured to perform the method according to any one of claims 1 to 11.~~

5 ~~139.~~ A computer-readable storage medium, configured to store a computer program, wherein the computer program comprises instructions used to perform the method according to any one of claims 1 to ~~118~~.

~~1410.~~ A computer program, wherein the computer program comprises instructions used to perform the method according to any one of claims 1 to ~~118~~.

10 ~~1511.~~ A service indication apparatus, comprising:
a memory, configured to store computer instructions; and
a processor, ~~and a computer program that is stored in the memory and that can run on the processor, wherein when~~configured to executing-execute the instructions~~computer program, the processor implements to cause the apparatus to perform the method according to~~in any one of
15 claims 1 to ~~118~~.