CLAIMS

1. A quality of service (QoS) management method, wherein the method comprises:

receiving first information, wherein the first information is used to request QoS for a first service; and

sending second information, wherein the second information indicates a QoS control manner and a QoS parameter that are of a first QoS flow, the first QoS flow is for transmitting a data flow of the first service, and the QoS control manner comprises a first control manner for performing QoS control at a granularity of a data packet group.

2. The method according to claim 1, wherein the second information comprises a first QoS parameter, the first QoS parameter comprises N data packet group–based QoS parameters, N≥1, and N is a positive integer.

3. The method of claim 2, wherein the first QoS parameter indicates that the QoS control manner comprises the first control manner for performing QoS control at a granularity of a data packet group.

4. The method of claim 2 or 3, wherein the first QoS parameter comprises a group delay budget or a group error rate.

5. The method of claim 4, wherein:

the group delay budget indicates an upper bound for a time that a data packet group on the first QoS flow is delayed between a terminal device and a user plane function network element; and

the group error rate indicates an upper bound for a rate of data packet groups that are not successfully delivered on the first QoS flow.

6. The method according to claim 1, wherein the second information comprises first indication information and a second QoS parameter, the first indication information indicates the QoS control manner of the first QoS flow, and the second QoS parameter indicates the QoS parameter of the first QoS flow.

7. The method of claim 6, wherein the second QoS parameter comprises at least one data packet–based QoS parameter.

8. The method of claim 6 or 7, wherein the first indication information indicates a preferred QoS control manner of the first QoS flow.

9. The method of claim 1, wherein the data packet group comprises at least two data packets.

10. A quality of service (QoS) management method, wherein the method comprises:

receiving second information, wherein the second information indicates a QoS control manner and a QoS parameter that are of a first QoS flow, the first QoS flow is for transmitting a data flow of

the first service, and the QoS control manner comprises a first control manner for performing QoS control at a granularity of a data packet group;

performing the QoS control on the data flow of the first service based on the second information.

11. The method of claim 10, wherein the second information comprises a first QoS parameter, the first QoS parameter comprises N data packet group–based QoS parameters, N≥1, and N is a positive integer.

12. The method of claim 11, wherein the method further comprises:

determining, based on the first QoS parameter, that the QoS control manner of the first QoS flow is the first control manner for performing QoS control at a granularity of a data packet group.

13. The method of claim 11 or 12, wherein the first QoS parameter comprises a group delay budget or a group error rate.

14. The method of claim 13, wherein:

the group delay budget indicates an upper bound for a time that a data packet group on the first QoS flow is delayed between a terminal device and a user plane function network element; and

the group error rate indicates an upper bound for a rate of data packet groups that are not successfully delivered on the first QoS flow.

15. An apparatus, comprising a module or unit configured to perform the method according to any one of claims 1 to 14.

16. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program or instructions and, when the computer program or the instructions are run on a computer, the computer is enabled to perform the method according to any one of claims 1 to 14.

17. An apparatus, configured to perform the method according to any one of claims 1 to 14.

18. A communication system, comprising an apparatus configured to perform the method according to any one of claims 1 to 9, and an apparatus configured to perform the method according to any one of claims 10 to 14.