WHAT IS CLAIMED IS:

1. A method for subscribing to quality of service (QoS) monitoring measurements, performed by a first network function, the method comprising:

sending first request information to a second network function,

wherein the first request information is used for requesting a subscription to the QoS monitoring measurements obtained by monitoring QoS of at least two service data flows (SDFs).

2. The method of claim 1, wherein sending the first request information to the second network function comprises:

during a QoS request procedure of an application function (AF), sending the first request information to the second network function.

3. The method of claim 1, further comprising:

receiving subscription reporting sent by the second network function,

wherein the subscription reporting is used for indicating the QoS monitoring measurements.

4. The method of claim 1, wherein the QoS monitoring measurements comprises a delay QoS parameter.

5. The method of any one of claims 1 to 4, wherein the QoS monitoring measurements comprise at least one of:

a delay difference over two SDFs in a same direction;

a round-trip delay measurement over two SDFs; or

a jitter parameter of an SDF.

6. The method of claim 1, wherein the first request information is used for indicating at least one of:

extended reality multimedia (XRM) service information;

common identifier information for identifying a data flow group of an XRM service;

address information of a terminal;

identifier information of the terminal;

application function (AF) identifier application identity;

traffic description information;

a data network name (DNN);

single network slice selection assistance information (S-NSSAI); or

a QoS parameter.

7. The method of claim 1, further comprising:

sending QoS monitoring information to the second network function,

wherein the QoS monitoring information is used for monitoring the QoS of the at least two

SDFs.

8. The method of claim 7, wherein the QoS monitoring information is used for indicating at least one of:

a correlation identifier;

a QoS monitoring key;

a monitoring model;

a monitoring type;

a QoS monitoring level;

a delay threshold for an SDF;

a time difference threshold over SDFs;

a maximum allowed delay jitter threshold for an SDF;

a start time or an end time of QoS monitoring;

an indication for simultaneously applying the QoS monitoring;

a simultaneous reporting indication of the QoS monitoring; or

a reset period of the QoS monitoring.

9. A method for subscribing to quality of service (QoS) monitoring measurements, performed by a second network function, the method comprising:

receiving first request information sent by a first network function,

wherein the first request information is used for requesting a subscription to the QoS monitoring measurements obtained by monitoring QoS of at least two service data flows (SDFs).

10. The method of claim 9, wherein receiving the first request information sent by the first network function comprises:

during a QoS request procedure of an application function (AF), receiving the first request information sent by the first network function.

11. The method of claim 9, further comprising:

sending subscription reporting to the first network function,

wherein the subscription reporting is used for indicating the QoS monitoring measurements.

12. The method of claim 9, wherein the QoS monitoring measurements comprise a delay QoS parameter.

13. The method of any one of claims 9 to 12, wherein the QoS monitoring measurements comprise at least one of:

a delay difference over two SDFs in a same direction;

a round-trip delay measurement over two SDFs; or

a jitter parameter of an SDF.

14. The method of claim 9, wherein the first request information is used for indicating at least one of:

extended reality multimedia (XRM) service information;

common identifier information for identifying a data flow group of an XRM service;

address information of a terminal;

identifier information of the terminal;

application function (AF) identifier application identity;

traffic description information;

a data network name (DNN);

single network slice selection assistance information (S-NSSAI); or

a QoS parameter.

15. The method of claim 9, further comprising one of:

receiving QoS monitoring information sent by the first network function, wherein the QoS monitoring information is used for monitoring the QoS of the at least two SDFs; or

determining (61) QoS monitoring information used for monitoring the QoS of the at least two SDFs based on the first request information, wherein determining (61) the QoS monitoring information used for monitoring the QoS of the at least two SDFs based on the first request information comprises: determining the QoS monitoring information used for monitoring the QoS of the at least two SDFs based on the first request information and local configuration information.

16. The method of claim 15, wherein the QoS monitoring information is used for indicating at least one of:

a correlation identifier;

a QoS monitoring key;

a monitoring model;

a monitoring type;

a QoS monitoring level;

a delay threshold of an SDF;

a time difference threshold over SDFs;

a maximum allowed delay jitter threshold for the SDF;

a start time or an end time of QoS monitoring;

an indication for simultaneously applying the QoS monitoring;

a simultaneous reporting indication of the QoS monitoring; or

a reset period of the QoS monitoring.

17. The method of claim 9, further comprising:

sending authorized QoS monitoring policy information used for monitoring the QoS of the at least two SDFs to a third network function, or requesting an event trigger of a QoS report;

wherein sending the authorized QoS monitoring policy information used for monitoring the QoS of the at least two SDFs to the third network function comprises: sending the authorized QoS monitoring policy information to the third network function via a policy and charging control (PCC) rule, wherein the authorized QoS monitoring policy information is used for monitoring the QoS of the at least two SDFs;

wherein the method further comprises: receiving (81) the QoS monitoring measurements.

18. The method of claim 17, further comprising at least one of:

sending threshold information to a third network function;

determining whether to monitor the QoS of the at least two SDFs; or

determining a start time or an end time of monitoring the QoS of the at least two SDFs,

wherein the threshold information is used for indicating at least one of:

a delay threshold;

a time difference threshold; or

a jitter threshold.

19. A communication device, comprising:

an antenna,

a memory, and

a processor, connected to the antenna and the memory respectively, wherein the processor is configured to perform the method of any one of claims 1 to 18.