CLAIMS

1. A transmission method, comprising:

sending a request message to an access network device, wherein the request message is used to request a processing capability for transmission of a target service;

receiving a resource response message from the access network device, wherein the resource response message indicates second data volume information, the second data volume information indicates a processing capability supported by the access network device for transmission of the target service within a first latency, and the processing capability is a data volume or a data transmission rate; and

sending data of the target service to the access network device based on the second data volume information.

2. The method according to claim 1, wherein the second data volume information is determined based on first data volume information, and the first data volume information indicates a processing capability for the target service requested to be transmitted within the first latency.

3. The method according to claim 1 or 2, wherein the first data volume information indicates a processing capability for the target service that a terminal device requests to transmit within the first latency.

4. The method according to claim 1 or 2, wherein the first data volume information indicates a processing capability for the target service that a core network device indicates to transmit within the first latency.

5. The method according to any one of claims 1 to 4, wherein the request message comprises the first data volume information and indication information of the first latency.

6. The method according to claim 5, wherein the first data volume information indicates a processing capability for the target service that a terminal device requests to transmit within the first latency.

7. The method according to claim 6, wherein the processing capability is a data volume or a data transmission rate.

8. The method according to any one of claims 1 to 4, wherein the method further comprises:

receiving a first configuration message from the access network device, wherein the first configuration message comprises a first initial transmission rate or the first data volume information, and the first configuration message indicates to establish a data bearer of a quality of service QoS flow carrying the target service; or

receiving a second configuration message from the core network device, wherein the second

configuration message comprises the first data volume information, and the second configuration message indicates to establish a QoS flow carrying the target service, wherein the first initial transmission rate indicates an initial rate at which the data of the target service is sent to the access network device.

9. The method according to claim 8, wherein

the resource response message comprises the second data volume information; or

the resource response message does not carry data volume information, and the second data volume information indicated by the resource response message is the first data volume information indicated by the first configuration message; or

the resource response message does not carry data volume information, and the second data volume information indicated by the resource response message is the first data volume information indicated by the second configuration message.

10. The method according to any one of claims 1 to 3, wherein the method further comprises:

sending a first request message to a core network device, wherein

the first request message comprises the first data volume information and indication information of the first latency, or the first request message comprises third data volume information and indication information of the first latency; and

the third data volume information is used by the access network device to determine the first data volume information, and the first request message is used to request to configure the QoS flow.

11. The method according to any one of claims 1 to 10, wherein the request message comprises estimated time of arrival information of the target service.

12. The method according to claim 11, wherein the estimated time of arrival information of the target service indicates that an estimated time of arrival of the target service is a time difference between a time at which the data actually arrives at an access stratum of the terminal device and a time at which the terminal device sends the request message.

13. The method according to any one of claims 1 to 12, wherein the resource response message comprises a second initial transmission rate, and the method further comprises:

determining a send window of an application transmission protocol of the data of the target service based on the second initial transmission rate.

14. The method according to any one of claims 1 to 13, wherein the method further comprises:

determining a parameter of the target service based on the second data volume information indicated by the resource response message.

15. The method according to claim 14, wherein sending the data of the target service to the access network device based on the second data volume information comprises:

when a data volume indicated by the second data volume information is greater than or equal to a first threshold, sending the data of the target service to the access network device based on the parameter of the target service.

16. A transmission method, comprising:

receiving a request message from a terminal device, wherein the request message is used to request a processing capability for transmission of a target service; and

sending a resource response message to the terminal device, wherein the resource response message indicates second data volume information, the second data volume information indicates a processing capability supported by an access network device for transmission of the target service within a first latency, and the processing capability is a data volume or a data transmission rate.

17. The method according to claim 16, wherein the second data volume information is determined based on first data volume information, and the first data volume information indicates a processing capability for the target service requested to be transmitted within the first latency.

18. The method according to claim 16 or 17, wherein the first data volume information indicates a processing capability for the target service that a terminal device requests to transmit within the first latency.

19. The method according to claim 16 or 17, wherein the first data volume information indicates a processing capability for the target service that a core network device indicates to transmit within the first latency.

20. The method according to any one of claims 16 to 19, wherein the request message comprises the first data volume information and indication information of the first latency.

21. The method according to claim 20, wherein the first data volume information indicates a processing capability for the target service that a terminal device requests to transmit within the first latency.

22. The method according to claim 21, wherein the processing capability is a data volume or a data transmission rate.

23. The method according to any one of claims 16 to 19, wherein the method further comprises:

receiving the first data volume information and indication information of the first latency from the core network device, wherein the first data volume information is from the terminal device or a server; or

receiving third data volume information and indication information of the first latency from the core network device, and determining the first data volume information based on the third data volume information, wherein the third data volume information is from the terminal device or the

server.

24. The method according to claim 23, wherein the method further comprises:

sending the first data volume information to the core network device.

25. The method according to claim 23 or 24, wherein the method further comprises:

sending a first configuration message to the terminal device, wherein the first configuration message comprises a first initial transmission rate or the first data volume information, the first configuration message indicates to establish a data bearer of a quality of service QoS flow carrying the target service, and the first initial transmission rate indicates an initial rate at which data of the target service is sent to the access network device.

26. The method according to claim 25, wherein the resource response message comprises the second data volume information; or the resource response message does not carry data volume information, and the second data volume information indicated by the resource response message is the first data volume information indicated by the first configuration message.

27. The method according to any one of claims 16 to 26, wherein the request message comprises estimated time of arrival information of the target service.

28. The method according to claim 27, wherein the estimated time of arrival information of the target service indicates that an estimated time of arrival of the target service is a time difference between a time at which the data actually arrives at an access stratum of the terminal device and a time at which the terminal device sends the request message.

29. The method according to any one of claims 16 to 28, wherein the resource response message comprises a second initial transmission rate, and the second initial transmission rate is used to determine a send window of an application transmission protocol of the data of the target service.

30. The method according to any one of claims 16 to 28, wherein the method further comprises:

receiving the data of the target service from the terminal device, wherein the data of the target service is sent by the terminal device based on a parameter of the target service when a data volume indicated by the second data volume information is greater than or equal to a first threshold, and the parameter of the target service is determined by the terminal device based on the second data volume information indicated by the resource response message.

31. A communication apparatus, comprising:

a transceiver module, configured to send a request message to an access network device, wherein the request message is used to request a processing capability for transmission of a target service, wherein

the transceiver module is further configured to receive a resource response message from the

access network device, wherein the resource response message indicates second data volume information, the second data volume information indicates a processing capability supported by the access network device for transmission of the target service within a first latency, and

the processing capability is a data volume or a data transmission rate; and

a processing module, configured to send data of the target service to the access network device based on the second data volume information.

32. A communication apparatus, comprising:

a transceiver module, configured to receive a request message from a terminal device, wherein the request message is used to request a processing capability for transmission of a target service, wherein

the transceiver module is further configured to send a resource response message to the terminal device, wherein the resource response message indicates second data volume information, the second data volume information indicates a processing capability supported by an access network device for transmission of the target service within a first latency, and the processing capability is a data volume or a data transmission rate.

33. A communication apparatus, wherein the communication apparatus comprises a processor, and the processor is configured to enable, by running a computer program or instructions or by using a logic circuit, the communication apparatus to perform the method according to any one of claims 1 to 15 or the communication apparatus to perform the method according to any one of claims 16 to 30.

34. The apparatus according to claim 33, wherein the communication apparatus further comprises a communication interface, configured to input or output a signal.

35. A computer-readable storage medium, wherein the computer-readable storage medium stores computer instructions or a program, and when the computer instructions or the program is run on a computer, the communication apparatus is enabled to perform the method according to any one of claims 1 to 15, or the communication apparatus is enabled to perform the method according to any one of claims 16 to 30.

36. A communication system, wherein the communication system comprises the communication apparatuses according to claim 31 and claim 32.