CLAIMS

What is claimed is:

1. A service transmission method, applied to an access-network-side device and comprising:

receiving a first message from a core-network-side device, wherein the first message comprises a multicast service identifier and mode policy information; and

sending, in a first transmission mode, data of a multicast service corresponding to the multicast service identifier, wherein the first transmission mode is a transmission mode determined based on the mode policy information, or the first transmission mode is a transmission mode indicated by the mode policy information; wherein the mode policy information comprises quality of service requirement information.

2. The method according to claim 1, wherein the first message further comprises a decision indication; and

in a case that the decision indication is a first indication, the first transmission mode is a transmission mode determined based on the mode policy information;

and/or

in a case that the decision indication is a second indication, the first transmission mode is a transmission mode indicated by the mode policy information.

3. The method according to claim 1, wherein before the receiving a first message from a core-network-side device, the method further comprises:

receiving a second message from the core-network-side device, wherein the second message is used to instruct the access-network-side device to report a statistical result of joined UEs of the multicast service; and

sending the statistical result of joined UEs of the multicast service to the core-network-side device.

4. The method according to claim 1, wherein the first transmission mode is a transmission mode determined based on the mode policy information and a first mode parameter; and

the first mode parameter comprises at least one of the following: the statistical result of joined UEs of the multicast service and radio resource information of the access-network-side device.

5. The method according to claim 4, wherein in a case that the first mode parameter comprises the statistical result of joined UEs of the multicast service, the method further comprises:

sending a statistical indication of the multicast service through an air interface; and

collecting statistics about the number of joined UEs of the multicast service based on response information corresponding to the statistical indication, to obtain a statistical result of joined UEs of the multicast service.

6. The method according to any one of claims 1 to 5, further comprising:

sending a third message to the core-network-side device, wherein the third message carries the multicast service identifier and information about the first transmission mode.

7. The method according to any one of claims 1 to 5, wherein a transmission mode of the multicast service comprises a point-to-point PTP mode and a point-to-multipoint PTM mode.

8. A service transmission mode configuration method, applied to a core-network-side device and comprising:

sending a first message to an access-network-side device, wherein the first message comprises a multicast service identifier and mode policy information, and the mode policy information is used for determining or indicating a transmission mode of a multicast service corresponding to the multicast service identifier; wherein the mode policy information comprises quality of service requirement information.

9. The method according to claim 8, wherein the first message further comprises a decision indication; and

in a case that the decision indication is a first indication, a transmission mode used for sending the multicast service by the access-network-side device is a transmission mode determined based on the mode policy information;

and/or

in a case that the decision indication is a second indication, a transmission mode used for sending the multicast service by the access-network-side device is a transmission mode indicated by the mode policy information.

10. The method according to claim 8, wherein the mode policy information is determined according to a second mode parameter; and

the second mode parameter comprises at least one of the following: quality of service requirement information of the multicast service and a statistical result of joined UEs of the multicast service.

11. The method according to claim 10, wherein in a case that the second mode parameter comprises the statistical result of joined UEs of the multicast service, before the sending a first message to an access-network-side device, the method further comprises:

sending a second message to the access-network-side device, wherein the second message is used to instruct the access-network-side device to report a statistical result of joined UEs of the multicast service; and

receiving the statistical result of joined UEs of the multicast service from the access-network-side device.

12. The method according to any one of claims 8 to 11, further comprising:

receiving a third message from the access-network-side device, wherein the third message carries the multicast service identifier and information about a first transmission mode, and the first transmission mode is a transmission mode used for sending the multicast service by the access-network-side device.

13. The method according to any one of claims 8 to 11, wherein a transmission mode of the multicast service comprises a point-to-point PTP mode and a point-to-multipoint PTM mode.

14. An access-network-side device, comprising:

a first receiving module, configured to receive a first message from a core-network-side device, wherein the first message comprises a multicast service identifier and mode policy information; and

a first sending module, configured to send, in a first transmission mode, data of a multicast service corresponding to the multicast service identifier, wherein the first transmission mode is a transmission mode determined based on the mode policy information, or the first transmission mode is a transmission mode indicated by the

mode policy information; wherein the mode policy information comprises quality of service requirement information.

15. The access-network-side device according to claim 14, wherein the first transmission mode is a transmission mode determined based on the mode policy information and a first mode parameter; and

the first mode parameter comprises at least one of the following: the statistical result of joined UEs of the multicast service and radio resource information of the access-network-side device.

16. A core-network-side device, comprising:

a fifth sending module, configured to send a first message to an access-network-side device, wherein the first message comprises a multicast service identifier and mode policy information, and the mode policy information is used for determining or indicating a transmission mode of a multicast service corresponding to the multicast service identifier; wherein the mode policy information comprises quality of service requirement information.

17. An access-network-side device, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the service transmission method according to any one of claims 1 to 7 are implemented.

18. A core-network-side device, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the steps of the service transmission mode configuration method according to any one of claims 8 to 13 are implemented.