CLAIMS

What is claimed is:

1. A mode switching method, applied to a target network-side device, wherein the method comprises:

reserving a multicast air interface resource in a case that multicast quality of service QoS information is received from a multicast broadcast network function MB NF, wherein the multicast air interface resource is used for a terminal to receive multicast service data in a switched-to target mode, and the multicast QoS information corresponds to the multicast service data; and

directly sending the multicast air interface resource to a source network-side device,

wherein the mode switching comprises the terminal switching from a point-to-point protocol data unit PDU session mode of the source network-side device to a point-to-multipoint multicast service transmission mode of the target network-side device; and

wherein before the reserving a multicast air interface resource, the method further comprises: receiving, from the source network-side device, at least one of the following:

a mode switching indication; and

the target mode,

wherein the mode switching indication comprises a specific QoS flow identifier.

2. The method according to claim 1, wherein before the reserving a multicast air interface resource, the method further comprises:

receiving identification information of a protocol data unit PDU session from the source network-side device; and

sending the identification information of the PDU session to the MB NF.

3. The method according to claim 2, wherein the method further comprises: receiving, from the MB NF, at least one of the following:

a QoS parameter corresponding to the PDU session; and

multicast information.

4. The method according to claim 1, wherein before the reserving a multicast air interface resource, the method further comprises: receiving, from the MB NF, at least one of the following:

a mode switching indication;

the target mode;

a QoS parameter corresponding to the PDU session; and

multicast information.

5. The method according to claim 3 or 4, wherein in a case that the QoS parameter corresponding to the PDU session is received, the method further comprises:

reserving an air interface resource for the PDU session.

6. The method according to claim 1, wherein the method further comprises: sending to the MB NF at least one of the following:

an air interface resource for a PDU session; and

a multicast downlink tunnel resource for receiving the multicast service data.

7. The method according to claim 6, wherein the method further comprises:

receiving the multicast service data by using the multicast downlink tunnel resource; and

sending the multicast service data to the terminal by using the multicast air interface resource.

8. A mode switching method, applied to a source network-side device, wherein the method comprises:

directly receiving a multicast air interface resource, wherein the multicast air interface resource is reserved by a target network-side device in a case that multicast QoS information is received from an MB NF, the multicast air interface resource is used for a terminal to receive multicast service data in a switched-to target mode, and the multicast QoS information corresponds to the multicast service data; and

wherein the mode switching comprises the terminal switching from a point-to-point PDU session mode of the source network-side device to a point-to-multipoint multicast service transmission mode of the target network-side device.

9. A network-side device, comprising a processor, a memory, and a program or instructions stored in the memory and capable of running on the processor, wherein when the program or instructions are executed by the processor, the mode switching method according to any one of claims 1 to 8 is implemented.

10. A readable storage medium, wherein the readable storage medium stores a program or instructions, and when the program or instructions are executed by a processor, the mode switching method according to any one of claims 1 to 8 is implemented.