

Claims:

1. A handover control method, comprising:

sending, by a first network-side device, a first handover request to a second network-side device, wherein the first network-side device is applied to a first network, and the second network-side device is applied to a second network, and a terminal is attached to the first network, and the first handover request contains first terminal information of the terminal, and the first terminal information is used for the second network-side device to configure a resource prepared for handover to the second network for the terminal when determining that the first terminal information meets a predetermined condition for initiating a handover operation;

wherein after the first network-side device sends the first handover request to the second network-side device, the method further comprises:

receiving, by the first network-side device, a handover preparation confirmation message sent by the second network-side device, and sending a measurement configuration for handover to the second network to the terminal, wherein the measurement configuration for handover is used for the terminal to measure a network channel condition of the second network to obtain a first measurement result, and send a handover confirmation message to the second network-side device when detecting that the first measurement result meets a first measurement event, wherein the handover confirmation message is used for instructing the second network-side device to complete a handover operation of the terminal based on the resource prepared for handover.

2. The method according to claim 1, wherein after the first network-side device receives the handover preparation confirmation message sent by the second network-side device, the method further comprises:

receiving, by the first network-side device, a resource release message sent by the second network-side device for releasing a resource prepared for handover to the second network, wherein the resource release message is sent by the second network-side device when the second network-side device obtains second terminal information of the terminal and determines that the second terminal information meets a predetermined condition for releasing the resource prepared for handover.

3. The method according to claim 1 or claim 2, wherein before the first network-side device sends the first handover request to the second network-side device, the method further comprises:

receiving, by the first network-side device, a second measurement result sent by the terminal, wherein the second measurement result is obtained by the terminal by measuring at least one network according to a predetermined measurement configuration, and the second measurement result meets a second measurement event;

determining, by the first network-side device, at least one candidate network in the at least one network according to the second measurement result, wherein the at least one candidate network comprises the second network.

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

sending, by the first network-side device, a second handover request to a third network-side device, wherein the second handover request comprises third terminal information of the terminal, and the third network-side device is applied to a third network, and the third terminal information is used for the third network-side device to send a handover preparation rejection message to the first network-side device when determining that the third terminal information does not meet the predetermined condition for initiating the handover operation;

receiving, by the first network-side device, the handover preparation rejection message and releasing a resource prepared for handover to the third network.

5. A network-side device, applied to a mobile communication system comprising a first network-side device, a second network-side device, a third network-side device, and a terminal, wherein the network-side device is the first network-side device, and the network-side device comprises a processing unit and a communication unit,

the processing unit is used for sending a first handover request to the second network-side device through the communication unit, wherein the first network-side device is applied to a first network, and the second network-side device is applied to a second network, and the terminal is attached to the first network, and the first handover request contains first terminal information of the terminal, and the first terminal information is used for the second network-side device to configure a resource prepared for handover to the second network for the terminal when determining that the first terminal information meets a predetermined condition for initiating a handover operation;

wherein after the processing unit sends the first handover request to the second network-side device through the communication unit, the processing unit is further used for receiving a handover preparation confirmation message sent by the second network-side device through the communication unit, and sending a measurement configuration for handover to the

second network to the terminal through the communication unit, wherein the measurement configuration for handover is used for the terminal to measure a network channel condition of the second network to obtain a first measurement result, and to send a handover confirmation message to the second network-side device when detecting that the first measurement result meets a first measurement event, wherein the handover confirmation message is used for instructing the second network-side device to complete a handover operation of the terminal based on the resource prepared for handover.

6. The network-side device according to claim 5, wherein after the processing unit receives the handover preparation confirmation message sent by the second network-side device through the communication unit, the processing unit is further used for receiving through the communication unit a resource release message sent by the second network-side device for releasing a resource prepared for handover to the second network, wherein the resource release message is sent after the second network-side device releases the resource prepared for handover to the second network when the second network-side device obtains second terminal information of the terminal and determines that the second terminal information meets a predetermined condition for releasing the resource prepared for handover.

7. The network-side device according to claim 5 or claim 6, wherein before the processing unit sends the first handover request to the second network-side device through the communication unit, the processing unit is further used for receiving a second measurement result sent by the terminal through the communication unit, wherein the second measurement result is obtained by the terminal by measuring at least one network according to a predetermined measurement configuration, and the second measurement result meets a second measurement event; and the processing unit is further used for determining at least one candidate network in the at least one network according to the second measurement result, wherein the at least one candidate network comprises the second network.

8. The network-side device according to any one of claims 5-7, wherein the processing unit is further used for sending a second handover request to a third network-side device through the communication unit, wherein the second handover request comprises third terminal information of the terminal, and the third network-side device is applied to a third network, and the third terminal information is used for the third network-side device to send a handover preparation rejection message to the first network-side device when determining that the third terminal information does not meet the predetermined condition for initiating the handover operation; and the processing unit is further used for receiving the handover preparation

rejection message through the communication unit and releasing a resource prepared for handover to the third network.

9. A network-side device, applied to a mobile communication system comprising a first network-side device, a second network-side device, a third network-side device, and a terminal, wherein the network-side device is the second network-side device, and the network-side device comprises a processing unit and a communication unit,

the processing unit is used for receiving a first handover request sent by the first network-side device through the communication unit, wherein the first network-side device is applied to a first network, and the second network-side device is applied to a second network, and the terminal is attached to the first network, and the first handover request comprises first terminal information of the terminal; and configuring a resource prepared for handover to the second network for the terminal when determining that the first terminal information meets a predetermined condition for initiating a handover operation;

wherein after the processing unit configures the resource prepared for handover to the second network for the terminal, the processing unit is further used for sending a handover preparation confirmation message to the first network-side device through the communication unit, wherein the handover preparation confirmation message is used for instructing the first network-side device to send a measurement configuration for handover to the second network to the terminal, and the measurement configuration for handover is used for the terminal to send a handover confirmation message to the second network-side device when detecting that a first measurement result for a network channel condition of the second network meets a first measurement event; and receiving the handover confirmation message sent by the terminal through the communication unit and completing a handover operation of the terminal based on the resource prepared for handover.

10. The network-side device according to claim 9, wherein the processing unit is further used for obtaining second terminal information of the terminal through the communication unit after completing the handover operation of the terminal based on the resource prepared for handover, determining that the second terminal information meets a predetermined condition for releasing the resource prepared for handover, and releasing the resource prepared for handover to the second network; or,

the processing unit is further used for obtaining second terminal information of the terminal through the communication unit after completing the handover operation of the terminal based on the resource prepared for handover, determining that the second terminal

information meets a predetermined condition for releasing the resource prepared for handover, and sending a resource release message to the first network-side device through the communication unit, wherein the resource release message is used for instructing the first network-side device to release a resource prepared for handover to the second network.

11. The network-side device of claim 5, wherein

the processing unit is used for receiving access association information sent by the second network-side device through the communication unit; and determining the second network as a candidate network according to the access association information and sending the first handover request to the second network-side device.

12. The network-side device according to claim 11, wherein the processing unit is further used for receiving a first measurement result reported by the terminal through the communication unit before determining the second network as the candidate network according to the access association information, the first measurement result is obtained by the terminal by measuring the second network according to a predetermined measurement configuration, and the first measurement result meets a first measurement event;

the processing unit is specifically used for determining the second network as the candidate network according to the first measurement result and the access association information.

13. The network-side device according to claim 11 or 12, wherein after the processing unit sends first the handover request to the second network-side device, the processing unit is further used for receiving a handover preparation confirmation message sent by the second network-side device through the communication unit, and sending a measurement configuration for handover to the second network to the terminal, wherein the measurement configuration for handover is used for the terminal to measure the second network to obtain a second measurement result, and to send a handover confirmation message to the second network-side device when detecting that the second measurement result meets a second measurement event, wherein the handover confirmation message is used for instructing the second network-side device to complete a handover operation of the terminal based on the resource prepared for handover.

14. The network-side device according to any one of claims 11-13, wherein the access association information is network state information of the second network; the processing unit is specifically used for determining the second network as the candidate network when

detecting that the network state information of the second network meets a first predetermined access condition.

15. The network-side device according to any one of claims 11-13, wherein the access association information is access control information of the terminal for the second network; the processing unit is specifically used for determining the second network as the candidate network when detecting that the access control information of the second network meets a second predetermined access condition.

16. The network-side device of claim 9, wherein

the processing unit is used for sending access association information to the first network-side device through the communication unit, wherein the access association information is used for the first network-side device to determine the second network as a candidate network and send the first handover request to the second network-side device.

17. The network-side device according to claim 16, wherein the processing unit is further used for sending a handover preparation confirmation message to the first network-side device through the communication unit after configuring the resource prepared for handover to the second network for the terminal, and the handover preparation confirmation message is used for instructing the first network-side device to send a measurement configuration for handover to the second network to the terminal, wherein the measurement configuration for handover is configured for the terminal to measure the second network to obtain a second measurement result, and to send a handover confirmation message to the second network-side device when detecting that the second measurement result meets a second measurement event; and receiving the handover confirmation message through the communication unit and completing a handover operation of the terminal based on the resource prepared for handover.