CLAIMS

1. A resource configuration method for handover, comprising:

determining, by a first network node, handover resource pool configuration information with a second network node;

sending, by the first network node, the handover resource pool configuration information to a mobile station; and

sending, by the first network node, first indication information to the mobile station, the first indication information indicating the mobile station to communicate via a handover resource in the handover resource pool.

2. The method as claimed in claim 1, wherein determining, by the first network node, the handover resource pool configuration information with the second network node comprises:

performing, by the first network node, coordination with the second network node through an interface between the first network node and the second network node to determine the handover resource pool configuration information.

3. The method as claimed in claim 1, wherein configuration information on the handover resource in the handover resource pool comprises at least one of:

location information of a physical time-frequency resource block, modulation and coding scheme information, configuration information of a reference signal or antenna configuration information.

4. The method as claimed in any one of claims 1-3, wherein sending, by the first network node, the handover resource pool configuration information to the mobile station comprises:

when the mobile terminal accesses to the first network node, sending the handover resource pool configuration information to the mobile station; or

after the mobile station accesses to the first network node, sending the handover resource pool configuration information to the mobile station; or

when it is determined that the mobile station will be handed over from the first network node to the second network node, sending the handover resource pool configuration information to the mobile station.

5. The method as claimed in any one of claims 1-4, wherein sending, by the first network node, the first indication information to the mobile station comprises:

when it is determined that the mobile station will be handed over from the first network node to the second network node, sending the first indication information to the mobile station.

6. The method as claimed in claim 5, wherein before sending the first indication information to the mobile station, the method further comprises:

determining whether the mobile station will be handed over from the first network node to the second network node according to a moving trajectory of the mobile station; or

determining whether the mobile station will be handed over from the first network node to the second network node according to strength of a measurement signal reported by the mobile station; or

determining whether the mobile station will be handed over from the first network node to the second network node according to the moving trajectory and moving speed of the mobile station.

7. The method as claimed in any one of claims 1-6, wherein sending the handover resource pool configuration information to the mobile station comprises:

sending the handover resource pool configuration information to the mobile station through a system information broadcast; or

sending the handover resource pool configuration information to the mobile station through control signaling.

8. The method as claimed in any one of claims 1-7, wherein

the first indication information is indicated by one or more reserved information bits of

physical-layer control signaling; or

the first indication information is indicated by a new allocated Radio Network Temporary Identity (RNTI); or

the first indication information is indicated by a new physical-layer control signaling format.

9. The method as claimed in any one of claims 1-8, further comprising:

receiving uplink data, which is sent by the mobile station via the handover resource,

wherein receiving the uplink data, which is sent by the mobile station via the handover resource comprises:

performing, by the first network node, coordination with at least one other network node to receive the uplink data, which is sent by the mobile station via the handover resource.

10. The method as claimed in claim 9, wherein the first network node and the at least one other network node use completely the same or completely different physical resource configuration information to receive the uplink data, which is sent by the mobile station via the handover resource.

11. The method as claimed in any one of claims 9-10, wherein receiving the uplink data, which is sent by the mobile station via the handover resource comprises:

receiving a plurality of uplink data packets which are the same from the mobile station, determining one of the plurality of uplink data packets as an uplink received data packet, and acquiring uplink data in the uplink received data packet.

12. The method as claimed in any one of claims 1-11, further comprising:

sending, by the first network node, downlink data to the mobile station,

wherein sending the downlink data to the mobile station comprises:

performing, by the first network node, coordination with at least one other network node to send the downlink data to the mobile station.

13. The method as claimed in claim 12, wherein the first network node and the at least one other network node use completely the same or completely different physical resource configuration information to send the downlink data to the mobile station.

14. The method as claimed in claim 1, wherein the first indication information indicates the mobile station to communicate with at least one of the first network node or the second network node via the handover resource in the handover resource pool.

15. A resource configuration method for handover, comprising:

acquiring, by a mobile station, handover resource pool configuration information sent by a first network node;

receiving, by the mobile station, first indication information sent by the first network node, the first indication information indicating the mobile station to use a handover resource in a handover resource pool; and

communicating, by the mobile station, with at least one of the first network node, a second network node or other mobile station via the handover resource according to the first indication information.

16. The method as claimed in claim 15, wherein acquiring, by the mobile station, the handover resource pool configuration information sent by the first network node comprises:

when the mobile terminal accesses to the first network node, receiving the handover resource pool configuration information sent by the first network node; or

after the mobile station accesses to the first network node, receiving the handover resource pool configuration information sent by the first network node; or

responsive to the condition that the mobile station will be handed over from the first network node to the second network node, receiving the handover resource pool configuration information sent by the first network node.

17. The method as claimed in claim 15 or 16, wherein

the handover resource pool configuration information is sent by the first network node through a system information broadcast; or

the handover resource pool configuration information is sent by the first network node through control signaling.

18. The method as claimed in any one of claims 15-17, wherein

the first indication information is indicated by one or more reserved information bits of physical-layer control signaling; or

the first indication information is indicated by a new allocated Radio Network Temporary Identity (RNTI); or

the first indication information is indicated by a new physical-layer control signaling format.

19. The method as claimed in any one of claims 15-18, wherein communicating with at least one of the first network node, the second network node or the other mobile station comprises:

sending, by the mobile station, uplink data via the handover resource to enable the first network node and/or the second network node to receive the uplink data.

20. A mobile station, comprising:

an acquisition unit configured to acquire handover resource pool configuration information sent by a first network node;

a receiving unit configured to receive first indication information sent by the first network node, the first indication information indicating the mobile station to use a handover resource in a handover resource pool acquired by the acquisition unit; and

a communication unit configured to communicate with at least one of the first network node, a second network node or other mobile station via the handover resource according to the first indication information received by the receiving unit.