WHAT IS CLAIMED IS:

1. A method for handing over a relay user equipment (UE), performed by a remote UE, comprising:

determining whether to hand over to a target relay UE based on a serving cell of the target relay UE; and

performing, in response to the serving cell of the target relay UE meeting a handover condition, the handover to the target relay UE, the serving cell of the target relay UE meeting the handover condition comprises: the serving cell of the target relay UE being same as a reported serving cell of the target relay UE that has been reported by the remote UE to a network device.

2. The method of claim 1, wherein determining whether to hand over to the target relay UE based on the serving cell of the target relay UE comprises:

determining whether the serving cell of the target relay UE meets a handover condition in response to a trigger condition for a handover to the target relay UE being met.

3. The method of claim 1, further comprising:

not performing the handover to the target relay UE, in response to the handover condition not being met.

4. The method of claim 2 or 3, wherein the trigger condition for the handover to the target relay UE comprises at least one of:

receiving, from the network device, a handover command for instructing the remote UE to perform the handover to the target relay UE; or

determining, based on a parameter of a sidelink between the remote UE and the target relay UE, that a preset condition for handing over to the target replay UE is met; wherein the preset condition is received from the network device.

5. The method of claim 4, wherein,

the parameter of the sidelink between the remote UE and the target relay UE comprises: channel quality of the sidelink between the remote UE and the target relay UE; and

the preset condition for handing over to the target relay UE comprises:

the channel quality of the sidelink between the remote UE and the target relay UE being greater than a preset threshold.

6. The method of claim 3, further comprising one of:

sending, to the network device, information for indicating that the remote UE does not hand over to the target relay UE;

initiating reestablishment of a radio resource control link to the target relay UE;

triggering a re-establishment request of the radio resource control link;

deleting the handover command corresponding to the target relay UE;

deleting a preset condition for handing over to the target relay UE; or

deleting the handover command corresponding to the target relay UE and a preset condition for handing over to the target relay UE.

7. The method of claim 1, wherein before determining whether to hand over to the target relay UE based on the serving cell of the target relay UE, the method further comprises:

receiving, from the network device, a handover command for instructing the remote UE to perform the handover to the target relay UE.

8. A method for handing over a relay user equipment (UE), performed by a network device, comprising:

sending a handover command to a remote UE for instructing the remote UE to hand over to a target relay UE, wherein the handover command is configured to trigger the remote UE to determine whether to hand over to the target relay UE based on a serving cell of the target relay UE, wherein the remote UE performs the handover to the target relay UE, in response to the serving cell of the target relay UE meeting a handover condition, wherein the serving cell of the target relay UE meeting the handover condition comprises: the serving cell of the target relay UE being same as a reported serving cell of the target relay UE that has been reported by the remote UE to the network device.

9. The method of claim 8, wherein the handover command is further configured to trigger the remote UE to perform, in response to the serving cell of the target relay UE does not meet the handover condition, one of:

sending, to the network device, information for indicating that the remote UE does not hand over to the target relay UE;

initiating reestablishment of a radio resource control link to the target relay UE;

triggering a re-establishment request of the radio resource control link;

deleting the handover command corresponding to the target relay UE;

deleting a preset condition for handing over to the target relay UE; or

deleting the handover command corresponding to the target relay UE and a preset condition for handing over to the target relay UE.

10. The method of claim 9, further comprising:

receiving, from the remote UE, the information for indicating that the remote UE does not

hand over to the target relay UE.

11. The method of claim 10, wherein,

the information for indicating that the target relay UE is not handed over to is determined by the remote UE based on a serving cell of the target relay UE.

12. The method of claim 10 or 11, wherein,

the information for indicating that the target relay UE is not handed over to is determined by the remote UE based on a determination that the serving cell of the target relay UE does not meet a handover condition in response to a trigger condition for a handover to the target relay UE being met.

13. The method of claims 8 to 12, further comprising:

sending a cell list to the remote UE; wherein the cell list is used for enabling the remote UE to determine that the serving cell of the target relay UE meets the handover condition in response to the serving cell of the target relay UE belonging to the cell list and perform the handover to the target relay UE.

14. The method of any one of claims 8 to 13, further comprising:

sending, to the remote UE, another handover command for instructing to hand over to a relay UE other than the target relay UE.

15. A communication device, comprising:

a processor; and

a memory, for storing processor-executable instructions;

wherein, the processor is configured to execute the executable instructions stored in the memory to perform the method of any one of claims 1 to 7.

16. A communication device, comprising:

a processor; and

a memory, for storing processor-executable instructions;

wherein, the processor is configured to execute the executable instructions stored in the memory to perform the method of any one of claims 8 to 14.

17. A non-transitory computer-readable storage medium, having executable instructions stored thereon stored, wherein, when the executable instructions are executed by a processor, the method for handing over a relay user equipment (UE) of any one of claims 1 to 7 is performed.

18. A non-transitory computer-readable storage medium, having executable instructions stored thereon stored, wherein, when the executable instructions are executed by a processor,

the method for handing over a relay user equipment (UE) of any one of claims 8 to 14 is performed.