CLAIMS

1. An information transmission method, performed by a user equipment (UE), the method comprising:

sending first information to a network device, wherein the first information is used to indicate information related to Conditional Handover (CHO) and/or a first operation, and the first operation is Conditional PSCell Addition (CPA)/Conditional PSCell Change (CPC).

2. The method of claim 1, wherein the first information comprises at least one of:

an order of fulfilment of the CHO and first operation events;

time between fulfilment of the CHO and first operation events;

at least one target event;

identification information of at least one candidate PSCell corresponding to the target event(s);

identification information of a candidate PCell corresponding to the target event(s);

an order in which the target events are fulfilled;

time between fulfilment of the target events;

time between fulfilment of the target event(s) and the CHO event(s) for the first PCell or the first MCG;

first indication information, where the first indication information is used to indicate fulfilment of the target event(s);

a cell identifier of a candidate PCell corresponding to the CHO;

a cell identifier of a candidate PSCell corresponding to the first operation;

at least one event corresponding to fulfilment of the CHO and/or the first operation; or

a configuration node for CPC;

wherein the target event(s) comprises at least one of:

at least one event corresponding to the first operation of at least one PSCell or SCG corresponding to the first PCell or the first MCG, which is fulfilled before or when the CHO event(s) for the first PCell or the first MCG is fulfilled; or

at least one event corresponding to the first operation of a PSCell or SCG, which is fulfilled before or when the CHO event(s) for the first PCell or the first MCG is fulfilled, wherein the PSCell or SCG for the first operation that is fulfilled corresponds to the second PCell or the second MCG.

3. The method of claim 1 or 2, wherein the sending first information to the network device comprises:

receiving request information of the network device, wherein the request information is used for the network device to request the UE to send the first information; and

sending the first information to the network device according to the request information.

4. The method of claim 3, wherein before receiving request information of the network device, the method further comprises:

sending second indication information to the network device, wherein the second indication information is used to indicate that the UE has the first information.

5. The method of claim 1 or 2, wherein the sending first information to a network device comprises:

sending the first information to the network device through a target message, wherein the target message comprises at least one of a radio resource reestablishment request message, a radio link failure report, or a first information report message.

6. The method of claim 1 or 2, wherein before sending the first information to the network device, the method further comprises:

receiving report configuration information of the first information, wherein the report configuration information comprises an indication of collecting or recording the first information;

preferably, the report configuration information further comprises a report condition of the first information, wherein the reporting condition comprises a threshold of time between fulfilment of the CHO and first operation events; or

receiving report configuration information of the first information comprises:

receiving report configuration information of the first information sent by a network management device, a trace collection entity, or the network device.

7. An information transmission method, performed by a network device, the method comprising:

receiving first information sent by a user equipment (UE), wherein the first information is used to indicate information related to Conditional Handover (CHO) and/or a first operation, and the first operation is Conditional Primary and Secondary Cell Addition (CPA) and/or

Conditional Primary and Secondary Cell Change (CPC).

8. The method of claim 7, wherein the first information comprises at least one of:

an order of fulfilment of the CHO and first operation events;

time between fulfilment of the CHO and first operation events;

one or more target events;

identification information of at least one candidate PSCell corresponding to the target event(s);

identification information of a candidate PCell corresponding to the target event(s);

an order in which the target events are fulfilled;

time between fulfilment of the target events;

time between fulfilment of the target event(s) and the CHO event(s) for the first PCell or the first MCG;

first indication information, where the first indication information is used to indicate fulfilment of the target event(s);

a cell identifier of a candidate PCell corresponding to the CHO;

a cell identifier of a candidate PSCell corresponding to the first operation;

at least one event corresponding to fulfilment of the CHO and/or the first operation; or

a configuration node for CPC;

wherein the target event(s) comprises at least one of:

at least one event corresponding to the first operation of at least one PSCell or SCG corresponding to the first PCell or the first MCG, which is fulfilled before or when the CHO event(s) for the first PCell or the first MCG is fulfilled; or

at least one event corresponding to the first operation of a PSCell or SCG, which is fulfilled before or when the CHO event(s) for the first PCell or the first MCG is fulfilled, wherein the PSCell or SCG for the first operation that is fulfilled corresponds to the second PCell or the second MCG.

9. The method of claim 7 or 8, wherein receiving the first information sent by the UE comprises:

sending request information to a UE, wherein the request information is used for the network device to request the UE to send the first information; and

receiving the first information sent by the UE according to the request information.

10. The method of claim 9, wherein before sending the request information to the UE, the

method further comprises:

receiving second indication information sent by the UE, wherein the second indication information is used to indicate that the UE has the first information.

11. The method of claim 7 or 8, wherein receiving the first information sent by the UE comprises:

receiving the first information sent by the UE through a target message, wherein the target message comprises at least one of a radio resource reestablishment request message, a radio link failure report, or a first information report message.

12. The method of any one of claims 7-11, further comprising:

performing, according to the first information, optimization of configuration of the CHO and/or the first operation,

preferably, performing, according to the first information, optimization of configuration of the CHO and/or the first operation comprises at least one of:

adjusting at least one parameter of the CHO and/or first operation events according to an order of fulfilment of the CHO and first operation events and/or time between the fulfilment of the CHO and first operation events;

if there is at least one PSCell for which the first operation is triggered before the CHO is triggered, reducing a number of candidate PScells, adjusting a threshold of the event(s) corresponding to the first operation, and/or adjusting a threshold of the event(s) corresponding to the CHO; or

if there is a candidate PCell for which the associated first operation is triggered before the CHO is triggered, adjusting the at least one parameter of the event(s) corresponding to the first operation.

13. The method of any one of claims 7-11, further comprising:

determining a configuration node for the CPC, and

sending information related to the CPC in the first information to the configuration node.

14. A user equipment (UE), comprising:

a memory,

a processor, and

a computer program stored in the memory and executable by the processor,

wherein the processor, when executing the program, is configured to implement the method of any one of claims 1-6.

15. A network device, comprising:

a memory,

a processor, and

a computer program stored in the memory and executable by the processor,

wherein the processor, when executing the program, is configured to implement the method of any one of claims 7-13.