WHAT IS CLAIMED IS:

1. A conditional mobility configuration method, performed by a terminal, comprising:

receiving a conditional mobility configuration sent by a network device, wherein the conditional mobility configuration comprises a first mobility configuration and a second mobility configuration, the first mobility configuration is a configuration for master cell group (MCG)/primary cell (PCell) mobility, and the second mobility configuration is a configuration for secondary cell group (SCG)/primary secondary cell (PSCell) mobility; and

performing associative storage on the first mobility configuration corresponding to a candidate MCG/PCell and the second mobility configuration corresponding to a candidate SCG/PSCell.

2. The method according to claim 1, wherein the performing the associative storage on the first mobility configuration corresponding to the candidate MCG/PCell and the second mobility configuration corresponding to the candidate SCG/PSCell comprises:

storing, in a variable corresponding to the candidate MCG/PCell, the first mobility configuration corresponding to the candidate MCG/PCell, and/or the second mobility configuration corresponding to the candidate SCG/PSCell associated with the candidate MCG/PCell.

3. The method according to claim 2, wherein the candidate MCG/PCell corresponds to a separate first variable; the storing, in the variable corresponding to the candidate MCG/PCell, the first mobility configuration corresponding to the candidate MCG/PCell comprises: storing, in the first variable corresponding to the candidate MCG/PCell, the first mobility configuration corresponding to the candidate MCG/PCell; or

the candidate MCG/PCell corresponds to a separate second variable; and the storing, in the variable corresponding to the candidate MCG/PCell, the second mobility configuration corresponding to the candidate SCG/PSCell associated with the candidate MCG/PCell comprises: storing, in the second variable corresponding to the candidate MCG/PCell, the second mobility configuration corresponding to the candidate SCG/PSCell associated with the candidate MCG/PCell.

4. The method according to claim 3, wherein the storing, in the first variable corresponding to the candidate MCG/PCell, the first mobility configuration corresponding to the candidate MCG/PCell comprises:

storing, in the first variable corresponding to the candidate MCG/PCell, a measurement configuration corresponding to the candidate MCG/PCell; wherein

the measurement configuration corresponding to the candidate MCG/PCell is determined based on the first mobility configuration; and

the first mobility configuration comprises a configuration corresponding to the candidate MCG/PCell, and the configuration corresponding to the candidate MCG/PCell comprises the measurement configuration corresponding to the candidate MCG/PCell; the first mobility configuration comprises a configuration corresponding to the candidate MCG/PCell, the configuration corresponding to the candidate MCG/PCell comprises measurement configuration information corresponding to the candidate MCG/PCell, and the method further comprises: generating the measurement configuration corresponding to the candidate MCG/PCell based on a measurement configuration of a serving MCG/PCell and the measurement configuration information corresponding to the candidate MCG/PCell; or the method further comprises: in a process of evaluating an execution condition of the second mobility configuration, performing measurement based on the measurement configuration stored in the first variable corresponding to the candidate MCG/PCell associated with the second mobility configuration.

5. The method according to claim 3, wherein the first mobility configuration comprises a configuration corresponding to the candidate MCG/PCell, and the configuration corresponding to the candidate MCG/PCell comprises measurement configuration information corresponding to the candidate MCG/PCell; and

the storing, in the first variable corresponding to the candidate MCG/PCell, the first mobility configuration corresponding to the candidate MCG/PCell comprises:

storing, in the first variable corresponding to the candidate MCG/PCell, the measurement configuration information corresponding to the candidate MCG/PCell; wherein

the measurement configuration information corresponding to the candidate MCG/PCell is used for generating a measurement configuration corresponding to the candidate MCG/PCell; and

the method further comprises:

in a process of evaluating an execution condition of the second mobility configuration performed by the terminal, performing measurement based on a measurement configuration of a serving MCG/PCell and the measurement configuration information corresponding to the candidate MCG/PCell; wherein

the measurement configuration of the serving MCG/PCell and the measurement configuration information corresponding to the candidate MCG/PCell are used for the terminal to generate the measurement configuration corresponding to the candidate MCG/PCell.

6. The method according to claim 3, wherein the first mobility configuration comprises a configuration of a conditional handover (CHO), and the second mobility configuration comprises a configuration of a conditional PSCell addition/change (CPAC); and the method further comprises: when the terminal executes the CHO and the CPAC, or the terminal executes the CHO but does not execute the CPAC, clearing all second variables;

the first mobility configuration comprises a configuration of a CHO, and the second mobility configuration comprises a configuration of a CPAC; and the method further comprises: when the terminal executes the CHO and the CPAC, or the terminal executes the CHO but does not execute the CPAC, updating a first variable corresponding to a candidate MCG/PCell that the terminal determines to access to a first variable corresponding to a serving MCG/PCell of the terminal, and/or clearing a first variable corresponding to a candidate MCG/PCell other than the candidate MCG/PCell that the terminal determines to access; or

the first mobility configuration comprises a configuration of a CHO, and the second mobility configuration comprises a configuration of a CPAC; and the method further comprises: when the terminal executes the CHO but does not execute the CPAC, clearing a second variable corresponding to a candidate MCG/PCell other than a candidate MCG/PCell that the terminal determines to access, and/or updating a second variable corresponding to the candidate MCG/PCell that the terminal determines to access to a second variable corresponding to a

serving MCG/PCell of the terminal.

7. The method according to any one of claims 1 to 6, wherein a portion of configuration information in the first mobility configuration is used for the terminal to execute a relevant process of the second mobility configuration corresponding to the candidate SCG/PSCell associated with the candidate MCG/PCell; or

the first mobility configuration comprises a configuration corresponding to the candidate MCG/PCell, and the second mobility configuration is carried in the configuration corresponding to the candidate MCG/PCell.

8. The method according to any one of claims 1 to 6, wherein the first mobility configuration comprises at least one of:

a configuration of a CHO;

a configuration of MCG/PCell selective activation; and

a configuration corresponding to layer 1 or layer 2 triggered MCG/PCell mobility; and

the second mobility configuration comprises at least one of:

a configuration of a conditional PSCell addition (CPA);

a configuration of a conditional PSCell change (CPC);

a configuration of SCG/PSCell selective activation; and

a configuration corresponding to layer 1 or layer 2 triggered SCG/PSCell mobility.

9. The method according to any one of claims 1 to 6, wherein the first mobility configuration or the second mobility configuration comprises at least one of the following information:

a configuration identifier;

an execution condition;

a configuration corresponding to the candidate MCG/PCell, and/or a configuration corresponding to the candidate SCG/PSCell; and

indication information, wherein the indication information is used for indicating a purpose

of a configuration indicated by the information.

10. A conditional mobility configuration method, performed by a network device, comprising:

sending a conditional mobility configuration to a terminal, wherein the conditional mobility configuration comprises a first mobility configuration and a second mobility configuration; wherein

the first mobility configuration is a configuration for master cell group (MCG)/primary cell (PCell) mobility; the second mobility configuration is a configuration for secondary cell group (SCG)/primary secondary cell (PSCell) mobility; and the first mobility configuration corresponding to a candidate MCG/PCell, and the second mobility configuration corresponding to a candidate SCG/PSCell are used for the terminal to perform associative storage.

11. A conditional mobility configuration method, performed by a target master node (T-MN), comprising:

sending a conditional mobility configuration to a source master node (S-MN); wherein

the conditional mobility configuration comprises one or more of: an execution condition of a mobility operation, a measurement configuration corresponding to the execution condition of the mobility operation, a configuration of a candidate master cell group (MCG)/primary cell (PCell), and a configuration of a candidate secondary cell group (SCG)/primary secondary cell (PSCell); and the conditional mobility configuration is used for the S-MN to update a measurement configuration of a terminal, and is forwarded by the S-MN to the terminal.

12. The method according to claim 11, further comprising:

determining, through autonomously initiating a configuration request of the mobility operation, the execution condition of the mobility operation, and the measurement configuration corresponding to the execution condition of the mobility operation; or

receiving a request message sent by the S-MN; wherein the request message is used for requesting the T-MN to initiate a configuration request of the mobility operation to determine

the execution condition of the mobility operation, and the measurement configuration corresponding to the execution condition of the mobility operation.

13. The method according to claim 11 or 12, further comprising:

receiving a notification message sent by the S-MN; wherein

the notification message is used for requesting the T-MN to update the conditional mobility configuration, or is used for indicating that a measurement identifier corresponding to the execution condition of the mobility operation is unavailable, wherein the measurement identifier being unavailable comprises the measurement identifier being occupied by another measurement identifier; and

the notification message carries an available or unavailable measurement identifier;

wherein the available measurement identifier is an unoccupied measurement identifier, and the unavailable measurement identifier is an occupied measurement identifier.

14. A terminal, comprising:

a processor;

a transceiver, connected to the processor; and

a memory, configured to store an executable instruction of the processor; wherein

the processor is configured to load and execute the executable instruction to implement the conditional mobility configuration method according to any one of claims 1 to 9.

15. A network device, comprising:

a processor;

a transceiver, connected to the processor; and

a memory, configured to store an executable instruction of the processor; wherein

the processor is configured to load and execute the executable instruction to implement the conditional mobility configuration method according to any one of claims 10 to 13.