CLAIMS

1. A method for cell reselection, performed by a terminal, comprising:

obtaining a reference distance of a cell;

determining location information of the terminal and obtaining cell reference location information provided by a network device;

determining a distance between the terminal and the cell based on the location information of the terminal and the cell reference location information; and

performing cell reselection based on the reference distance and the distance;

wherein the cell comprises a serving cell of the terminal, the method further comprises:

in response to a cell selection receive level value being greater than a cell selection receive level threshold for intra-frequency measurements, a cell selection quality value being greater than a cell selection quality threshold for intra-frequency measurements, and the reference distance of the serving cell being greater than the distance between the terminal and the serving cell, not measuring intra-frequency neighboring cells.

2. The method as claimed in claim 1, wherein a target cell obtained by performing the cell reselection based on the reference distance and the distance satisfies: a cell selection receive level value of the target cell being greater than 0, a cell selection quality value of the target cell being greater than 0, and the reference distance of the target cell being greater than the distance between the terminal and the target cell.

3. The method as claimed in claim 1 or 2, wherein performing the cell reselection based on the reference distance and the distance comprises:

determining (S31) R values of a plurality of cells based on R-criteria for cell reselection, wherein the plurality of cells comprise neighboring cells and a serving cell;

in response to there being neighboring cells with the R values higher than the R value of the serving cell and satisfying S-criteria for cell reselection, selecting a neighboring cell with the reference distance greater than or equal to the distance from the neighboring cells with the R values higher than the R value of the serving cell;

in response to neighboring cells with the reference distances greater than or equal to the distances existing in the neighboring cells with the R values higher than the R value of the serving cell, selecting a neighboring cell with a largest R value among the neighboring cells with the reference distances greater than or equal to the distances as a reselected cell; and

in response to no neighboring cell with the reference distance greater than or equal to the distance existing in the neighboring cells with the R values higher than the R value of the serving cell, performing the cell reselection based on the reference distance of the serving cell and the distance between the terminal and the serving cell.

4. The method as claimed in claim 3, wherein performing the cell reselection based on the reference distance of the serving cell and the distance between the terminal and the serving cell comprises:

in response to the reference distance of the serving cell being greater than or equal to the distance between the terminal and the serving cell, residing in the serving cell; and

in response to the reference distance of the serving cell being less than the distance between the terminal and the serving cell, selecting a neighboring cell with a largest R value among the neighboring cells with the R values higher than the R value of the serving cell as the reselected cell.

5. The method as claimed in claim 1 or 2, wherein performing the cell reselection based on the reference distance and the distance comprises:

selecting cells that satisfy conditions of cell selection receive level values being greater than 0, cell selection quality values being greater than 0, and reference distances being greater than distances;

determining R values of a plurality of cells in the selected cells based on R-criteria for cell reselection; and

in response to there being neighboring cells with the determined R values higher than the R value of the serving cell, selecting a neighboring cell with a largest R value among the neighboring cells with the determined R values higher than the R value of the serving cell as a reselected cell.

6. The method as claimed in any one of claims 1 to 5, wherein obtaining the reference distance of the cell comprises:

obtaining the reference distance of the cell based on a broadcasted system message of at least one of a serving cell or a neighboring cell.

7. A method for cell reselection, performed by a network device, comprising:

sending a reference distance of a cell, wherein the reference distance is configured for a terminal to perform cell reselection based on the reference distance and a distance between the terminal and the cell;

sending cell reference location information, wherein the cell reference location information is configured for the terminal to determine the distance between the terminal and the cell based on location information of the terminal and the cell reference location information;

wherein the cell comprises a serving cell of the terminal, in response to a cell selection receive level value being greater than a cell selection receive level threshold for intra-frequency measurements, a cell selection quality value being greater than a reference signal received quality threshold for intra-frequency measurements, and the reference distance threshold of the serving cell being greater than the distance between the terminal and the serving cell, the terminal does not measure intra-frequency neighboring cells.

8. The method as claimed in claim 7, wherein a target cell obtained by performing the cell reselection by the terminal based on the reference distance and the distance satisfies: a cell selection receive level value of the target cell being greater than 0, a cell selection quality value of the target cell being greater than 0, and the reference distance of the target cell being greater than the distance between the terminal and the target cell.

9. An apparatus for cell reselection, comprising:

an obtaining unit, configured to obtain a reference distance of a cell;

determine location information of the terminal and obtaining cell reference location information provided by a network device;

determine a distance between a terminal and the cell based on the location information of the terminal and the cell reference location information; and

a processing unit, configured to perform cell reselection based on the reference distance and the distance;

wherein the cell comprises a serving cell of the terminal, the processing unit is further configured to:

in response to a cell selection receive level value being greater than a cell selection receive level threshold for intra-frequency measurements, a cell selection quality value being greater than a cell selection quality threshold for intra-frequency measurements, and the reference

distance of the serving cell being greater than the distance between the terminal and the serving cell, not measure intra-frequency neighboring cells.

10. The apparatus as claimed in claim 9, wherein a target cell obtained by performing the cell reselection based on the reference distance and the distance satisfies: a cell selection receive level value of the target cell being greater than 0, a cell selection quality value of the target cell being greater than 0, and the reference distance of the target cell being greater than the distance between the terminal and the target cell.

11. An apparatus for cell reselection, comprising:

a sending unit, configured to send a reference distance of a cell, wherein the reference distance is configured for a terminal to perform cell reselection based on the reference distance and a distance between the terminal and the cell;

wherein the sending unit is further configured to:

send cell reference location information, wherein the cell reference location information is configured for the terminal to determine the distance between the terminal and the cell based on location information of the terminal and the cell reference location information;

wherein the cell comprises a serving cell of the terminal, in response to a cell selection receive level value being greater than a cell selection receive level threshold for intra-frequency measurements, a cell selection quality value being greater than a reference signal received quality threshold for intra-frequency measurements, and the reference distance threshold of the serving cell being greater than the distance between the terminal and the serving cell, the terminal does not measure intra-frequency neighboring cells.

12. A device for cell reselection, comprising:

a processor; and

a memory for storing instructions executable by the processor,

wherein, the processor is configured to perform the method as claimed in any one of claims 1-6.

13. A device for cell reselection, comprising:

a processor; and

a memory for storing instructions executable by the processor,

wherein, the processor is configured to perform the method as claimed in any one of claims 7-8.

14. A non-transitory computer-readable storage medium having stored therein instructions that, when executed by a processor of a mobile terminal, cause the mobile terminal to perform the method as claimed in any one of claims 1-6.

15. A non-transitory computer-readable storage medium having stored therein instructions that, when executed by a processor of a network device, cause the network device to perform the method as claimed in any one of claims 7-8.