

WHAT IS CLAIMED IS:

1. A method for configuring an automatic neighbor relationship (ANR), comprising:
 - receiving measurement configuration information sent from a base station;
 - measuring one or more attributes of a neighboring cell and a Cell Global Identifier (CGI) of the neighboring cell, according to the measurement configuration information; and
 - sending a measurement report to the base station, wherein the measurement report is used for indicating the one or more attributes of the neighboring cell and the CGI;
 - wherein the one or more attributes of the neighboring cell comprise at least one of a Core Network (CN) type of the neighboring cell, a cell type of the neighboring cell, whether the neighboring cell supports a specific service, whether the neighboring cell has an available network slice, a specific System Information Block (SIB) of the neighboring cell, and whether the neighboring cell supports an Xn interface;
 - wherein if the one or more attributes of the neighboring cell comprise at least the CN type of the neighboring cell, the method further comprises:
 - determining the CN type of the neighboring cell according to a correspondence between CN types and at least one of Tracking Area Codes (TACs) and Cell Global Identifiers (CGIs), and at least one of a TAC and a CGI of the neighboring cell;
 - wherein sending the measurement report to the base station, comprises:
 - sending the measurement report to the base station, wherein the measurement report comprises at least at least one of the TAC and the CGI of the neighboring cell and does not comprise the CN type of the neighboring cell, and at least one of the TAC and the CGI of the neighboring cell implicitly indicates the CN type of the neighboring cell;
 - wherein the correspondence between CN types and at least one of TACs and CGIs is preset, and at least one of TAC and CGI formats corresponding to different CN types are different.
2. The method according to claim 1, wherein the specific service supported by the neighboring cell comprises at least one of a Vehicle to Everything (V2X) service or a Device to Device (D2D) service;
 - wherein the CN type comprises at least one of an Evolved Packet Core (EPC) type or a

5G Core (5GC) type.

3. The method according to claim 1, wherein:

the TAC format corresponding to a 5GC type needs more bits than the TAC format corresponding to an EPC type; or

the CGI format corresponding to the 5GC type needs more bits than the CGI format corresponding to the EPC type.

4. The method according to any one of claims 1 to 3, wherein the one or more attributes of the neighboring cell comprise at least one of whether the neighboring cell is a licensed frequency band and whether the neighboring cell supports standalone access.

5. The method according to any one of claims 1 to 4, wherein the measurement configuration information comprises a first duration;

wherein sending the measurement report to the base station, comprises:

sending to the base station a first measurement report, wherein the first measurement report is configured to indicate an attribute among the one or more attributes of the neighboring cell which is measured within the first duration.

6. The method according to claim 5, further comprising:

sending to the base station first indication information, wherein the first indication information is configured to indicate an attribute among the one or more attributes of the neighboring cell which is not measured within the first duration.

7. The method according to any one of claims 1 to 6, wherein the base station is an Evolved Node B or a base station in fifth generation communication.

8. A terminal device, comprising:

a receiving unit configured to receive measurement configuration information sent from a base station;

a processing unit configured to, according to the measurement configuration information, measure one or more attributes of a neighboring cell and a Cell Global Identifier (CGI) of the neighboring cell; and

a sending unit configured to send a measurement report to the base station, wherein the measurement report is used for indicating the one or more attributes of the neighboring cell and the CGI;

wherein the one or more attributes of the neighboring cell comprise at least one of a Core Network (CN) type of the neighboring cell, a cell type of the neighboring cell, whether the neighboring cell supports a specific service, whether the neighboring cell has an available network slice, a specific System Information Block (SIB) of the neighboring cell, and whether the neighboring cell supports an Xn interface;

wherein if the one or more attributes of the neighboring cell comprise at least the CN type of the neighboring cell, the processing unit is configured to:

determine the CN type of the neighboring cell according to a correspondence between CN types and at least one of Tracking Area Codes (TACs) and Cell Global Identifiers (CGIs), and at least one of a TAC and a CGI of the neighboring cell;

wherein sending the measurement report to the base station, comprises:

sending the measurement report to the base station, wherein the measurement report comprises at least at least one of the TAC and the CGI of the neighboring cell and does not comprise the CN type of the neighboring cell, and at least one of the TAC and the CGI of the neighboring cell implicitly indicates the CN type of the neighboring cell;

wherein the correspondence between CN types and at least one of TACs and CGIs is preset, and at least one of TAC and CGI formats corresponding to different CN types are different.

9. The terminal device according to claim 8, wherein the specific service supported by the neighboring cell comprises at least one of a Vehicle to Everything (V2X) service or a Device to Device (D2D) service;

wherein the CN type comprises at least one of an Evolved Packet Core (EPC) type or a 5G Core (5GC) type.

10. The terminal device according to any one of claims 8 to 9, wherein the one or more attributes of the neighboring cell comprise at least one of whether the neighboring cell is a licensed frequency band and whether the neighboring cell supports standalone access.

11. The terminal device according to any one of claims 8 to 10, wherein the measurement configuration information comprises a first duration;

wherein the sending unit is further configured to:

send to the base station a first measurement report, wherein the first measurement report is configured to indicate an attribute among the one or more attributes of the neighboring cell which is measured within the first duration.