CLAIMS

1. A method for wireless communication, comprising:

receiving, by a first network device, a first message from a query device, wherein the first message comprises first area information, and the first message is used to request querying terminal information within a first area indicated by the first area information;

determining, by the first network device, second area information according to the first area information, wherein the second area information is area information defined by 3rd generation partnership project (3GPP), comprising:

in response to that the first area information is area information defined by the 3GPP network, determining the first area information as the second area information; or

in response to that the first area information is not the area information defined by the 3GPP network and the first area information is capable of being mapped to the area information defined by the 3GPP network, determining area information that is defined by the 3GPP network and mapped by the first area information as the second area information; or

in response to that the first area information is not the area information defined by the 3GPP network and the first area information is not capable of being mapped to the area information defined by the 3GPP network, determining area information that comprises the first area and is defined by the 3GPP network as the second area information;

transmitting, by the first network device, a second message to a second network device, wherein the second message comprises the second area information, and the second message is used to request querying terminal information within a second area indicated by the second area information;

receiving, by the first network device, a third message replied by the second network device, wherein the third message comprises a first terminal list, and the first terminal list comprises at least one terminal within the second area;

determining, by the first network device, a target terminal list according to the first terminal list; or

determining, by the first network device, a target terminal list according to the first terminal list and first information, wherein the first information comprises information of at

least one specific terminal; and

transmitting, by the first network device, the target terminal list within the first area to the query device.

2. The method of claim 1, further comprising:

verifying, by the first network device, a query authority of the query device for the target terminal list.

3. The method of claim 1 or 2, further comprising:

transmitting, by the first network device, a fourth message to a third network device, wherein the fourth message comprises a query terminal list, and the fourth message is used to request location information of at least one terminal in the query terminal list;

wherein the query terminal list comprises the first terminal list; or

the query terminal list comprises at least one terminal determined according to the first terminal list and first information.

4. The method of claim 3, further comprising:

receiving, by the first network device, location information of the at least one terminal in the query terminal list replied by the third network device.

5. The method of claim 4, further comprising:

determining, by the first network device, the target terminal list according to the location information of the at least one terminal in the query terminal list and combining the first area information.

6. The method of claim 5, further comprising:

verifying, by the first network device, a query authority of the query device for the target terminal list.

7. The method of any one of claims 1 to 6, wherein the first information comprises at least one of the following:

identification information of a specific terminal;

type information of a specific terminal.

8. The method of claim 7, further comprising:

acquiring, by the first network device, the first information from a second network device.

9. The method of claim 8, wherein acquiring, by the first network device, the first information from the second network device comprises:

acquiring, by the first network device, the first information from the second network device during a registration procedure in a 3GPP network.

10. The method of any one of claims 1 to 9, wherein the query device is an unmanned aerial system traffic management (UTM), an unmanned aerial vehicle service supplier (USS) or a third party authorized entity (TPAE).

11. The method of claim 1, wherein the second network device is an access and mobility management function (AMF) entity.

12. The method of any one of claims 1 to 11, wherein the first network device is a network exposure function (NEF) entity.

13. A first network device, comprising a processor and a memory, wherein the memory is configured to store a computer program, and the processor is configured to call and run the computer program stored in the memory to execute operations of:

receiving a first message from a query device, wherein the first message comprises first area information, and the first message is used to request querying terminal information within a first area indicated by the first area information;

determining second area information according to the first area information, wherein the second area information is area information defined by 3rd generation partnership project (3GPP), comprising:

in response to that the first area information is area information defined by the 3GPP network, determining the first area information as the second area information; or

in response to that the first area information is not the area information defined by the 3GPP network and the first area information is capable of being mapped to the area information defined by the 3GPP network, determining area

information that is defined by the 3GPP network and mapped by the first area information as the second area information; or

in response to that the first area information is not the area information defined by the 3GPP network and the first area information is not capable of being mapped to the area information defined by the 3GPP network, determining area information that comprises the first area and is defined by the 3GPP network as the second area information;

transmitting a second message to a second network device, wherein the second message comprises the second area information, and the second message is used to request querying terminal information within a second area indicated by the second area information;

receiving a third message replied by the second network device, wherein the third message comprises a first terminal list, and the first terminal list comprises at least one terminal within the second area;

determining a target terminal list according to the first terminal list; or

determining a target terminal list according to the first terminal list and first information, wherein the first information comprises information of at least one specific terminal; and

transmitting the target terminal list within the first area to the query device.

14. The first network device of claim 13, wherein the processor is further configured to:

verify a query authority of the query device for the target terminal list.

15. The first network device of claim 13 or 14, wherein the processor is further configured to:

transmit a fourth message to a third network device, wherein the fourth message comprises a query terminal list, and the fourth message is used to request location information of at least one terminal in the query terminal list;

wherein the query terminal list comprises the first terminal list; or

the query terminal list comprises at least one terminal determined according to the first terminal list and first information.