

WHAT IS CLAIMED IS:

1. A reporting method, performed by a network device, comprising:
 - receiving parameter information reported by a communication device, wherein the parameter information comprises at least one of indication information or capability information, and the indication information is configured to indicate that the communication device is a positioning reference unit (PRU);
 - wherein receiving the parameter information reported by the communication device comprises:
 - receiving the parameter information reported by the communication device through a Mobile Origin-Location Request (MO-LR) request message.
2. The method of claim 1, wherein the capability information comprises at least one of:
 - the communication device supporting reporting a known position of the communication device;
 - the communication device supporting reporting antenna information of the communication device;
 - a change situation of the known position of the communication device; or
 - a movement state of the communication device.
3. The method of claim 1 or 2, wherein receiving the parameter information reported by the communication device comprises:
 - receiving the parameter information reported by the communication device through a Long Term Evolution Positioning Protocol (LPP) Provide capability message.
4. The method of claim 1, wherein receiving the parameter information reported by the communication device through the MO-LR request message comprises at least one of:
 - receiving the parameter information included in the MO-LR request message;
 - or
 - receiving the parameter information included in a Long Term Evolution Positioning Protocol Packet Data Unit (LPP PDU) of the MO-LR request message.

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

sending a Long Term Evolution Positioning Protocol (LPP) request capability message to the communication device, wherein the LPP request capability message is configured to request the communication device to report the parameter information.

6. The method of claim 1, further comprising:

sending a Long Term Evolution Positioning Protocol (LPP) request location information message to the communication device, wherein the LPP request location information message is configured to request the communication device to report at least one of a known position of the communication device or antenna information of the communication device.

7. The method of claim 6, wherein sending the LPP request location information message to the communication device comprises:

in response to a periodic change or no change in the known position of the communication device, sending the LPP request location information message to the communication device.

8. The method of claim 6 or 7, further comprising:

receiving at least one of the known position of the communication device or the antenna information of the communication device reported by the communication device.

9. The method of claim 8, wherein receiving at least one of the known position of the communication device or the antenna information of the communication device reported by the communication device comprises:

receiving at least one of the known position of the communication device or the antenna information of the communication device reported by the communication device through an LPP provide location information message.

10. A reporting method, performed by a communication device, comprising:

reporting parameter information to a network device, wherein the parameter information comprises at least one of indication information or capability information, and the indication information is configured to indicate that the

communication device is a positioning reference unit (PRU);

wherein reporting the parameter information to the network device comprises:

reporting the parameter information to the network device through a Mobile Original-Location Request (MO-LR) request message.

11. The method of claim 10, wherein the capability information comprises at least one of:

the communication device supporting reporting a known position of the communication device;

the communication device supporting reporting antenna information of the communication device;

a change situation of the known position of the communication device; or

a movement state of the communication device.

12. The method of claim 10, wherein reporting the parameter information to the network device comprises:

reporting the parameter information to the network device through a Long Term Evolution Positioning Protocol (LPP) Provide capability message.

13. The method of claim 10, wherein reporting the parameter information to the network device through the MO-LR request message comprises at least one of:

carrying the parameter information in the MO-LR request message, and sending the MO-LR request message to the network device; or

carrying the parameter information in a Long Term Evolution Positioning Protocol Packet Data Unit (LPP PDU) of the MO-LR request message, and sending the MO-LR request message to the network device.

14. The method of claim 10 or 11, further comprising:

receiving a Long Term Evolution Positioning Protocol (LPP) request capability message sent by the network device, wherein the LPP request capability message is configured to request the communication device to report the parameter information.

15. The method of claim 12 or 13, further comprising:

receiving a Long Term Evolution Positioning Protocol (LPP) request location

information message sent by the network device, wherein the LPP request location information message is configured to request the communication device to report at least one of a known position of the communication device or antenna information of the communication device.

16. The method of claim 15, further comprising:

reporting at least one of the known position of the communication device or the antenna information of the communication device to the network device.

17. The method of claim 16, wherein reporting at least one of the known position of the communication device or the antenna information of the communication device to the network device comprises:

reporting at least one of the known position of the communication device or the antenna information of the communication device to the network device through an LPP provide location information message.

18. The method of any one of claims 10-17, wherein the communication device comprises a user equipment (UE) or a PRU.

19. A communication device comprising a processor and a memory having a computer program stored thereon, wherein the processor executes the computer program to cause the communication device to implement the method of any one of claims 1-9 or implement the method of any one of claims 10-18.

20. A computer readable storage medium for storing instructions, wherein when the instructions are executed, the method of any one of claims 1-9 or the method of any one of claims 10-18 is implemented.