

WHAT IS CLAIMED IS:

1. A positioning method, performed by a core network device and comprising:
sending a positioning message, wherein the positioning message comprises time information configured to indicate to return response information.
2. The method according to claim 1, wherein sending the positioning message comprises:
sending the positioning message to an access network device; or
sending the positioning message to a terminal device.
3. The method according to claim 1, wherein the time information is any one of: a moment or a time duration.
4. The method according to claim 1, wherein the positioning message is ~~any~~ one of following messages:
a terminal device capability request message;
a positioning measurement result request message;
a positioning information request message; and/or
a positioning activation request message.
5. The method according to any one of claims 1 to 4, further comprising:
receiving a positioning request message, wherein the positioning request message comprises a predetermined position time; and
determining the time information according to the predetermined position time.
6. The method according to claim 5, wherein determining the time information according to the predetermined position time comprises:
determining the time information according to the predetermined position time and a moment when the positioning request message is received.
7. The method according to claim 5, wherein determining the time information according to the predetermined position time comprises:
determining the time information according to the predetermined position time and a type of the positioning message.
8. A positioning method, performed by an access network device and comprising:
receiving a positioning message, wherein the positioning message comprises time information configured to indicate to return response information.
9. The method according to claim 8, wherein the time information is a moment or a time duration.

10. The method according to claim 9, wherein the time information is the moment, and the method further comprises:

returning the response information before the moment; or

~~11. The method according to claim 9, wherein the time information is the time duration, and the method comprises:~~

in response to receiving the positioning message, starting a first timer; and

returning the response information before a timing value of the first timer reaches the time duration.

~~12~~11. The method according to any one of claims 8 to ~~11~~10, wherein the positioning message is ~~any one of following messages: a positioning information request message, a positioning measurement result request message, and or~~ a positioning activation request message.

~~13~~12. The method according to claim ~~12~~11, wherein the positioning message is the positioning information request message, and the method further comprises:

within a time indicated by the time information, returning uplink positioning reference signal configuration information corresponding to a specified terminal device, wherein the specified terminal device is a terminal device indicated in the positioning information request message.

~~14~~13. The method according to claim ~~12~~11, wherein the positioning message is the positioning activation request message, and the method further comprises:

within a time indicated by the time information, returning a positioning activation response message.

~~15~~14. A positioning method, performed by a terminal device and comprising:

receiving a positioning message, wherein the positioning message comprises time information configured to indicate to return response information.

~~16~~15. The method according to claim ~~15~~14, wherein the time information is a moment or a time duration.

~~17~~16. The method according to claim ~~16~~15, wherein the time information is the moment, and the method further comprises:

returning the response information before the moment; or

~~18. The method according to claim 16, wherein the time information is the time duration, and the method comprises:~~

in response to receiving the positioning message, starting a first timer; and

returning the response information before a timing value of the first timer reaches the time

duration.

~~19~~17. The method according to any one of claims ~~15-14~~ to ~~18~~16, wherein the positioning message is a terminal device capability request message, and the method further comprises:

within a time indicated by the time information, returning positioning capability information of the terminal device.

~~20. A communication apparatus, configured in a core network device and comprising:
a transceiving module configured to send a positioning message, wherein the positioning message comprises time information configured to indicate to return response information.~~

~~21. A communication apparatus, configured in an access network device and comprising:
a transceiving module configured to receive a positioning message, wherein the positioning message comprises time information configured to indicate to return response information.~~

~~22. A communication apparatus, configured in a terminal device and comprising:
a transceiving module configured to receive a positioning message, wherein the positioning message comprises time information configured to indicate to return response information.~~

~~23~~18. A communication device, comprising:
a processor; and
a memory having stored therein a computer program,
wherein the processor executes the computer program stored in the memory, to cause the device to implement the method according to any one of claims 1 to 7.

~~24~~19. A communication device, comprising:
a processor; and
a memory having stored therein a computer program,
wherein the processor executes the computer program stored in the memory, to cause the device to implement the method according to any one of claims 8 to ~~11~~10.

~~25~~20. A communication device, comprising:
a processor; and
a memory having stored therein a computer program,
wherein the processor executes the computer program stored in the memory, to cause the device to implement the method according to any one of claims ~~15-14~~ to ~~19~~17.

~~26. A communication device, comprising a processor and an interface circuit;
wherein the interface circuit is configured to receive a code instruction and transmit the~~

code instruction to the processor; and

the processor is configured to run the code instruction to implement the method according to any one of claims 1 to 7.

~~27. A communication device, comprising a processor and an interface circuit;
wherein the interface circuit is configured to receive a code instruction and transmit the code instruction to the processor; and~~

~~the processor is configured to run the code instruction to implement the method according to any one of claims 8 to 11.~~

~~28. A communication device, comprising a processor and an interface circuit;
wherein the interface circuit is configured to receive a code instruction and transmit the code instruction to the processor; and~~

~~the processor is configured to run the code instruction to implement the method according to any one of claims 15 to 19.~~

~~29. A computer-readable storage medium having stored therein instructions that, when executed, cause the method according to any one of claims 1 to 7 to be implemented.~~

~~30. A computer-readable storage medium having stored therein instructions that, when executed, cause the method according to any one of claims 8 to 11 to be implemented.~~

~~31. A computer-readable storage medium having stored therein instructions that, when executed, cause the method according to any one of claims 15 to 19 to be implemented.~~