

CLAIMS

What is claimed is:

1. A reporting method, applied to a terminal, comprising:
reporting assistance information to a network device, wherein the assistance information is used by the network to configure early measurement reporting for the terminal,
characterized in that the assistance information comprises information that no early measurement needs to be configured; or
the assistance information comprises information that early measurement needs to be configured, and at least one of the following:
information about to-be-measured frequency channel;
information about validity timer; or
information about validity area.
2. The method according to claim 1, wherein the information about validity area comprises at least one of a tracking area, TA, list, a cell list, or a radio access network-based notification area, RNA, list.
3. The method according to claim 1, wherein after the reporting assistance information to a network device, the method further comprises:
receiving an early measurement reporting configuration from the network device.
4. The method according to claim 3, wherein the early measurement reporting configuration is carried in dedicated signaling or a system broadcast message.
5. The method according to claim 1, wherein before the reporting assistance information to a network device, the method further comprises:
determining the assistance information based on at least one of a terminal status, a carrier aggregation CA use history, or a dual connectivity DC use history.
6. The method according to claim 5, wherein the terminal status comprises terminal battery information.
7. A configuration method, applied to a network device, comprising:
obtaining assistance information from a terminal, wherein the assistance information is used by the network to configure early measurement reporting for the terminal,

characterized in that the assistance information comprises information that no early measurement needs to be configured, and the network device does not transmit the early measurement reporting configuration to the terminal; or

the assistance information comprises information that early measurement needs to be configured, and at least one of information about to-be-measured frequency channel, information about validity timer, or information about validity area, and the network device transmits the early measurement reporting configuration to the terminal.

8. The method according to claim 7, wherein the obtaining assistance information from a terminal comprises:

receiving the assistance information from the terminal.

9. The method according to claim 8, further comprising:

storing the assistance information reported by the terminal in context information of the terminal.

10. The method according to claim 7, wherein before the obtaining assistance information from a terminal, the method further comprises:

transmitting an early measurement reporting configuration to the terminal.

11. A terminal, comprising:

a first transmitting module, configured to report assistance information to a network device, wherein the assistance information is used by the network to configure early measurement reporting for the terminal,

characterized in that the assistance information comprises information that no early measurement needs to be configured; or

the assistance information comprises information that early measurement needs to be configured, and at least one of the following:

information about to-be-measured frequency channel;

information about validity timer; or

information about validity area.

12. A network device, comprising:

an obtaining module, configured to obtain assistance information from a terminal, wherein the assistance information is used by the network to configure early measurement reporting for the terminal,

characterized in that the assistance information comprises information that no early measurement needs to be configured, and the network device is configured to transmit the early measurement reporting configuration to the terminal; or

the assistance information comprises information that early measurement needs to be configured, and at least one of information about to-be-measured frequency channel, information about validity timer, or information about validity area, and the network device is configured to transmit the early measurement reporting configuration to the terminal.

13. A terminal, comprising a memory, a processor, and a program stored in the memory and capable of running on the processor, wherein when the program is executed by the processor, the steps of the reporting method according to any one of claims 1 to 6 are implemented.

14. A network device, comprising a processor, a memory, and a program stored in the memory and capable of running on the processor, wherein when the program is executed by the processor, the steps of the configuration method according to any one of claims 7 to 10 are implemented.