

WHAT IS CLAIMED IS:

1. A bandwidth part (BWP) configuration method, performed by a first type of terminal and comprising:

monitoring a second type of information in a second initial downlink BWP;

during a process of accessing a network, determining configuration information of a first initial BWP pair based on the second type of information; wherein the first initial BWP pair comprises a first initial uplink BWP and a first initial downlink BWP; a bandwidth of the first initial downlink BWP of the first initial BWP pair is less than or equal to a maximum downlink bandwidth supported by the first type of terminal; a capability of the first type of terminal is lower than a capability of a second type of terminal; and the second initial downlink BWP corresponds to at least the second type of terminal; and

performing random access in the first initial BWP pair based on the configuration information of the first initial BWP pair.

2. The BWP configuration method according to claim 1, wherein the first initial uplink BWP is configured to carry at least one following information corresponding to the first type of terminal:

first physical random access channel (RPACH) information, a first uplink data transmission and first uplink control information.

3. The BWP configuration method according to claim 1, wherein the second initial uplink BWP is configured to carry at least one following information corresponding to the second type of terminal:

second RPACH information, a second uplink data transmission and second uplink control information.

4. The BWP configuration method according to claim 1, further comprising:

in response to the terminal being a first type of terminal, monitoring a first type of information in the first initial downlink BWP;

wherein the first type of information is a random access message corresponding to the first type of terminal; and the second type of information is a system message.

5. The BWP configuration method according to claim 1, further comprising:

in response to the terminal being the first type of terminal and the first type of terminal being in an idle state, monitoring a paging message based on the second initial downlink BWP.

6. The BWP configuration method according to claim 1, further comprising:

in response to the terminal being a first type of terminal, determining to switch to the second initial BWP pair, and measuring a synchronization signal block (SSB).

7. A bandwidth part (BWP) configuration method, performed by a network side device and comprising:

determining a first initial BWP pair, wherein the first initial BWP pair comprises a first initial uplink BWP and a first initial downlink BWP;

wherein a bandwidth of the first initial downlink BWP is less than or equal to a maximum downlink bandwidth supported by a first type of terminal, a capability of the first type of terminal is lower than a capability of a second type of terminal, a second initial downlink BWP corresponds to at least the second type of terminal, the second initial downlink BWP is configured to carry a second type of message, the second type of message is used by the first type of terminal to determine configuration information of the first initial BWP pair during a process of accessing a network, and the configuration information of the first initial BWP pair is used by the first type of terminal to perform random access in the first initial BWP pair.

8. The BWP configuration method according to claim 7, wherein the first initial uplink BWP is configured to carry at least one following information corresponding to the first type of terminal:

first physical random access channel (RPACH) information, a first uplink data transmission and first uplink control information.

9. The BWP configuration method according to claim 7, wherein the second initial uplink BWP is configured to carry at least one following information corresponding to the second type of terminal:

second RPACH information, a second uplink data transmission and second uplink control information.

10. The BWP configuration method according to claim 7, wherein the first initial downlink BWP is configured to carry a first type of information and/or a second type of information; and

the first type of information is a random access message corresponding to the first type of terminal; and the second type of information is a system message.

11. The BWP configuration method according to claim 7 or 10, further comprising:

sending a paging message based on the second initial downlink BWP.

12. A BWP configuration apparatus, applied to a first type of terminal, comprising:

a determining module, configured to monitor a second type of information in a second initial downlink BWP;

the determining module is further configured to, during a process of accessing a network, determine configuration information of a first initial BWP pair based on the second type of information; wherein the first initial BWP pair comprises a first initial uplink BWP and a first initial downlink BWP; a bandwidth of the first initial downlink BWP of the first initial BWP pair is less than or equal to a maximum downlink bandwidth supported by the first type of terminal, a capability of the first type of terminal is lower than a capability of a second type of terminal, and the second initial downlink BWP corresponds to at least the second type of terminal;

the determining module is further configured to perform random access in the first initial

BWP pair based on the configuration information of the first initial BWP pair.

13. A BWP configuration apparatus, applied to a network side device, comprising:

a determining module, configured to determine a first initial BWP pair; wherein the first initial BWP pair comprises a first initial uplink BWP and a first initial downlink BWP;

a bandwidth of the first initial downlink BWP is less than or equal to a maximum downlink bandwidth supported by a first type of terminal, a capability of the first type of terminal is lower than a capability of a second type of terminal, a second initial downlink BWP corresponds to at least the second type of terminal, the second initial downlink BWP is configured to carry a second type of information, the second type of information is used by the first type of terminal to determine configuration information of the first initial BWP pair during a process of accessing a network, and the configuration information of the first initial BWP pair is used by the first type of terminal to perform random access in the first initial BWP pair.

14. A BWP configuration device, comprising:

a processor; and

a memory configured to store a processor-executable instruction;

wherein the processor is configured to: execute the BWP configuration method according to any one of claims 1 to 6, or execute the BWP configuration method according to any one of claims 7 to 11.

15. A non-transitory computer-readable storage medium having stored therein instructions that, when executed by a processor of a mobile terminal, cause the mobile terminal to perform the BWP configuration method according to any one of claims 1 to 6, or the BWP configuration method according to any one of claims 7 to 11.