

What we claim is:

1. A method for indicating channel resource set, comprising:

determining, by a terminal device, at least two resource sets, wherein different resource sets respectively correspond to different configuration information, and the configuration information comprises one of: a Downlink Control Information (DCI) format type and a type of a downlink control channel search space, or an uplink and downlink resource proportion, and a type of a downlink control channel search space;

determining, by the terminal device, first configuration information;

determining, by the terminal device, a first resource set corresponding to the first configuration information from the at least two resource sets; and

determining, by the terminal device, a target resource in the first resource set according to a first message sent from a network device, wherein the first message comprises numbering information of the target resource in the first resource set, wherein the first message is at least one of Downlink Control Information (DCI) or a Media Access Control (MAC) Control Element (CE).

2. The method of claim 1, wherein determining, by the terminal device, the at least two resource sets, comprises:

determining, by the terminal device, configuration of the at least two resource sets based on preset information.

3. The method of claim 1, wherein determining, by the terminal device, the at least two resource sets, comprises:

determining, by the terminal, configuration of the at least two resource sets according to a second message sent from a network device, wherein the second message is a Radio Resource Control (RRC) control signaling or System Information (SI).

4. The method of claim 1, wherein determining, by the terminal device, the first configuration information, comprises:

acquiring, by the terminal device, the first configuration information according to a preset rule; or

determining, by the terminal device, the first configuration information according to a third message sent from a network device, wherein the third message is a Radio Resource Control (RRC) control signaling, or System Information (SI), or Downlink Control Information (DCI), or a Media Access Control (MAC) Control Element (CE).

5 5. The method of claim 1, wherein that the different resource sets respectively correspond to the different configuration information comprises:

the different resource sets respectively correspond to different DCI format types; or,

the different resource sets respectively correspond to different uplink and downlink resource proportions; or,

10 the different resource sets respectively correspond to different types of downlink control channel search spaces.

6. The method of claim 1, wherein each resource set comprises at least one of: one time domain resource, and/or frequency domain resource, and/or code domain resource.

7. A method for indicating channel resource set, comprising:

15 configuring, by a network device, at least two resource sets for a terminal, wherein different resource sets are respectively configured according to different configuration information, and the configuration information comprises one of: a Downlink Control Information (DCI) format type and a type of a downlink control channel search space, or an uplink and downlink resource proportion, and a type of a downlink control channel search
20 space;

indicating, by the network device, the terminal to select a target resource from a first resource set of the at least two resource sets; and

outputting, by the network device, a first message to the terminal for determining the target resource from the first resource set through the first message, wherein the first message
25 comprises numbering information of the target resource in the first resource set, and the first message is at least one of Downlink Control Information (DCI) or a Media Access Control (MAC) Control Element (CE).

8. The method of claim 7, wherein configuring, by the network device, the at least two

resource sets for the terminal, comprises:

sending, by the network device, a second message to the terminal to configure configuration of the at least two resource sets, wherein the second message is a Radio Resource Control (RRC) control signaling or System Information (SI).

5 9. The method of claim 7, wherein that the different resource sets are respectively configured according to the different configuration information comprises:

the different resource sets are configured according to different DCI format types; or,

the different resource sets are configured according to different uplink and downlink resource proportions; or,

10 the different resource sets are configured according to different types of downlink control channel search spaces.

10. An apparatus in a communication device, comprising:

a processor and a storage storing program instructions;

15 wherein when the program instructions are executed by the processor, the apparatus is configured to:

determine at least two resource sets, wherein different resource sets respectively correspond to different configuration information, and the configuration information comprises one of: a Downlink Control Information (DCI) format type and a type of a downlink control channel search space, or an uplink and downlink resource proportion, and a type of a downlink control channel search space;

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determine first configuration information;

determine a first resource set corresponding to the first configuration information from the at least two resource sets; and

determine a target resource in the first resource set according to a first message sent from a network device, wherein the first message comprises numbering information of the target resource in the first resource set; wherein the first message is at least one of Downlink Control Information (DCI) or a Media Access Control (MAC) Control Element (CE).

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11. The apparatus of claim 10, wherein when the program instructions are executed by the processor, the apparatus is configured to determine configuration of the at least two resource sets based on preset information.

12. The apparatus of claim 10, wherein when the program instructions are executed by the processor, the apparatus is configured to determine configuration of the at least two resource sets according to a second message sent from a network device, wherein the second message is a Radio Resource Control (RRC) control signaling or System Information (SI).

13. The apparatus of claim 10, wherein when the program instructions are executed by the processor, the apparatus is configured to:

10 acquire the first configuration information according to a preset rule; or

determine the first configuration information according to a third message sent from a network device, wherein the third message is a Radio Resource Control (RRC) control signaling, or System Information (SI), or Downlink Control Information (DCI), or a Media Access Control (MAC) Control Element (CE).

15 14. The apparatus of claim 10, wherein that the different resource sets respectively correspond to the different configuration information comprises:

the different resource sets respectively correspond to different DCI format types; or,

the different resource sets respectively correspond to different uplink and downlink resource proportions; or,

20 the different resource sets respectively correspond to different types of downlink control channel search spaces.

15. The apparatus of claim 10, wherein each resource set comprises at least one of: one time domain resource, and/or frequency domain resource, and/or code domain resource.

16. An apparatus in a communication device, comprising:

25 a processor and a storage storing program instructions;

wherein when the program instructions are executed by the processor, the apparatus is configured to:

configure at least two resource sets for a terminal, wherein, different resource sets are respectively configured according to different configuration information, and the configuration information comprises one of: a Downlink Control Information (DCI) format type and a type of a downlink control channel search space, or an uplink and downlink resource proportion, and a
 5 type of a downlink control channel search space; and

indicate the terminal to select a target resource from a first resource set of the at least two resource sets; and

output a first message to the terminal for determining the target resource from the first resource set through the first message, wherein the first message comprises numbering
 10 information of the target resource in the first resource set, and the first message is at least one of: Downlink Control Information (DCI) or Media Access Control (MAC) Control Element (CE).

17. The apparatus of claim 16, wherein when the program instructions are executed by the processor, the apparatus is configured to send a second message to the terminal to configure configuration of the at least two resource sets, wherein the second message is a Radio Resource
 15 Control (RRC) control signaling or System Information (SI).

18. The apparatus of claim 16, wherein that the different resource sets are configured according to the different configuration information respectively comprises:

the different resource sets are configured according to different DCI format types; or,

the different resource sets are configured according to different uplink and downlink
 20 resource proportions; or,

the different resource sets are configured according to different types of downlink control channel search spaces.