CLAIMS

1. A method for configuring a resource, performed by an access network device, comprising:

sending common configuration information of a downlink control channel for an initial bandwidth part (BWP) configuration;

wherein the common configuration information of the downlink control channel indicates a predetermined resource for a first-type terminal to perform a predetermined operation; the predetermined resource comprises at least one of:

an additional common control resource set (CORESET);

an additional common search space;

a common CORESET0; or

a common search space 0.

2. The method of claim 1, wherein if an initial BWP does not contain entire CORESET0, the additional common CORESET does not have to be contained in a bandwidth of the CORESET0.

3. The method of claim 1 or 2, further comprising at least one of:

the additional common CORESET being configured as a CORESET associated with a common search space for the first-type terminal to perform the predetermined operation;

the additional common search space being configured as a common search space for the first-type terminal to perform the predetermined operation;

the CORESET0 being configured as a CORESET associated with a common search space for the first-type terminal to perform the predetermined operation; or

the common search space 0 being configured as a common search space for the first-type terminal to perform the predetermined operation.

4. The method of claim 3, wherein the predetermined resource further comprises a resource configured for a second-type terminal in a predetermined message; the predetermined message comprises at least one of: a master information block (MIB) or a system information block 1 (SIB1); the resource configured for the second-type terminal comprises at least one of a resource

for paging monitoring, a resource for system message monitoring or a resource for random access response (RAR) monitoring; and the resource configured for the second-type terminal is configured as the common search space for the first-type terminal to perform the predetermined operation.

5. The method of claim 4, further comprising at least one of:

a CORESET associated with a search space for paging monitoring configured for the second-type terminal being configured as a CORESET associated with a search space for paging monitoring for the first-type terminal;

a CORESET associated with a search space for system message monitoring configured for the second-type terminal being configured as a CORESET associated with a search space for system message monitoring for the first-type terminal;

a search space for paging monitoring configured for the second-type terminal being configured as a search space for paging monitoring for the first-type terminal; or

a search space for system message monitoring configured for the second-type terminal being configured as a search space for system message monitoring for the first-type terminal.

6. The method of any one of claims 1 to 5, wherein an identifier of the additional common CORESET is not 0; an identifier of the additional common search space is not 0; or an identifier of the additional common CORESET is not 0 and an identifier of the additional common search space is not 0.

7. The method of any one of claims 1 to 6, wherein if an initial BWP configured for a second-type terminal contains the CORESET0, the CORESET0 contains an additional common CORESET configured for the second-type terminal.

8. The method of any one of claims 1 to 7, wherein an initial BWP configured for a second-type terminal contains the CORESET0, and a bandwidth overlap exists between the initial BWP of the second-type terminal and an initial BWP of the first-type terminal.

9. The method of any one of claims 1 to 6, wherein if an initial BWP does not include entire CORESET0, at least one of a common search space 0 or entire CORESET configured for a second-type terminal is used to perform at least one of:

receiving a system information block 1 (SIB1);

receiving other system message; or

paging monitoring.

10. A method for configuring a resource, performed by a first-type terminal, comprising:

receiving common configuration information of a downlink control channel configured for an initial bandwidth part (BWP);

wherein the common configuration information of the downlink control channel indicates a predetermined resource for the first-type terminal to perform a predetermined operation; the predetermined resource comprises at least one of:

an additional common control resource set (CORESET);

an additional common search space;

a common CORESET0; or

a common search space 0.

11. The method of claim 10, wherein if an initial BWP does not contain entire CORESET0, the additional common CORESET does not have to be contained in a bandwidth of the CORESET0.

12. The method of claim 10 or 11, further comprising at least one of:

the additional common CORESET being configured as a CORESET associated with a common search space for the first-type terminal to perform the predetermined operation;

the additional common search space being configured as a common search space for the first-type terminal to perform the predetermined operation;

the CORESET0 being configured as a CORESET associated with a common search space for the first-type terminal to perform the predetermined operation; or

the common search space 0 being configured as a common search space for the first-type

terminal to perform the predetermined operation;

13. The method of claim 12, wherein the predetermined resource further comprises a resource configured for a second-type terminal in a predetermined message; the predetermined message comprises at least one of: a master information block (MIB) or a system information block 1 (SIB1); the resource configured for the second-type terminal comprises at least one of a resource for paging monitoring, a resource for system message monitoring or a resource for random access response (RAR) monitoring; and the resource configured for the second-type terminal is configured as the common search space for the first-type terminal to perform the predetermined operation.

14. The method of claim 13, further comprising at least one of:

a CORESET associated with a search space for paging monitoring configured for the second-type terminal being configured as a CORESET associated with a search space for paging monitoring for the first-type terminal;

a CORESET associated with a search space for system message monitoring configured for the second-type terminal being configured as a CORESET associated with a search space for system message monitoring for the first-type terminal;

a search space for paging monitoring configured for the second-type terminal being configured as a search space for paging monitoring for the first-type terminal; or

a search space for system message monitoring configured for the second-type terminal being configured as a search space for system message monitoring for the first-type terminal.

15. The method of any one of claims 10 to 14, wherein an identifier of the additional common CORESET is not 0; an identifier of the additional common search space is not 0; or an identifier of the additional common CORESET is not 0 and an identifier of the additional common search space is not 0.

16. The method of any one of claims 10 to 15, wherein if an initial BWP configured for a second-type terminal contains the CORESET0, the CORESET0 contains an additional common

CORESET configured for the second-type terminal.

17. The method of any one of claims 10 to 16, wherein an initial BWP configured for a second-type terminal contains the CORESET0, and a bandwidth overlap exists between the initial BWP of the second-type terminal and an initial BWP of the first-type terminal.

18. The method of any one of claims 10 to 15, wherein if an initial BWP does not include entire CORESET0, at least one of a common search space 0 or entire CORESET configured for a second-type terminal is used to perform at least one of:

receiving a system information block 1 (SIB1);

receiving other system message; or

paging monitoring.

19. An apparatus for configuring a resource, comprising:

a sending module configured to send common configuration information of a downlink control channel configured for an initial bandwidth part (BWP);

wherein the common configuration information of the downlink control channel indicates a predetermined resource for a first-type terminal to perform a predetermined operation; the predetermined resource comprises at least one of:

an additional common control resource set (CORESET);

an additional common search space;

a common CORESET0; or

a common search space 0.

20. A communication device, comprising:

a memory; and

a processor coupled to the memory, and configured to execute computer-executable instructions stored on the memory to cause the method of any one of claims 1 to 18 to be implemented.