

Claims

1. A method for transmitting system information, comprising:

determining, by a network device, a resource for sending the system information; and

5 sending, by the network device, the system information on the resource for sending the system information;

wherein before sending, by the network device, the system information on the resource for sending the system information, the method further comprises:

10 sending, by the network device, first indication information to at least one terminal device, wherein the first indication information is used for the at least one terminal device to determine the resource for sending the system information, and is further used for indicating whether the at least one terminal device needs to receive the system information on the resource for sending the system information.

15 2. The method of claim 1, wherein the first indication information is further used for indicating a transmission periodicity for the network device to send the system information, and/or the first indication information is further used for indicating content information contained in the system information.

20 3. The method of claim 2, wherein the first indication information is further used for indicating location of a resource where the network device sends the system information, or the first indication information is used for indicating starting location of a resource where the network device sends the system information, and at least one of time domain width of a resource block and frequency domain width of the resource block.

25 4. The method of claim 1, wherein the first indication information is further used for indicating location of a resource where the network device sends control information of the system information, or the first indication information is used for indicating starting location of a resource where the network device sends control information of the system information, and at least one of time domain width of a resource block and frequency domain width of the resource block.

5. The method of claim 4, wherein the control information of the system information is

further used for indicating a transmission periodicity for the network device to send the system information, and/or the control information of the system information is further used for indicating content information contained in the system information sent by the network device.

5 6. The method according to claim 1, wherein determining, by the network device, the resource for sending the system information comprises:

determining, by the network device, the resource for sending the system information according to preconfigured information.

10 7. The method according to claim 6, wherein the preconfigured information is used for indicating a calculation method of the resource where the network device sends the system information.

8. A method for receiving system information, wherein the method comprises:

receiving, by a terminal device, system information on a configured first resource;

wherein before receiving, by the terminal device, the system information on the configured first resource, the method further comprises:

15 receiving, by the terminal device, first indication information; and

determining, by the terminal device, the first resource according to the first indication information;

20 wherein the first indication information is further used for indicating whether the at least one terminal device needs to receive the system information on the resource for sending the system information.

25 9. The method of claim 8, wherein the first indication information is used for indicating location of a resource for sending the system information, or the first indication information is used for indicating starting location of the resource for sending the system information, and at least one of time domain width of a resource block and frequency domain width of the resource block;

wherein determining, by the terminal device, the first resource according to the first indication information comprises:

determining, by the terminal device, the first resource according to the location of the

resource for sending the system information indicated by the first indication information; or

determining, by the terminal device, the first resource according to the starting location of the resource for sending the system information, and the at least one of the time domain width of the resource block and the frequency domain width of the resource block, indicated by the
5 first indication information.

10. The method of claim 9, wherein the first indication information is further used for indicating a transmission periodicity for sending the system information, and/or the first indication information is further used for indicating content information contained in the system information.

10 11. The method of claim 8, wherein the first indication information is further used for indicating location of a resource for sending control information of the system information, or the first indication information is used for indicating starting location of a resource for sending control information of the system information, and at least one of time domain width of a resource block and frequency domain width of the resource block;

15 wherein determining, by the terminal device, the first resource according to the first indication information comprises:

determining, by the terminal device, the resource for sending the control information of the system information according to the location of the resource for sending the control information of the system information indicated by the first indication information, or
20 according to the starting location of the resource for sending the control information of the system information, and the at least one of the time domain of the resource block and the frequency domain width of the resource block, indicated by the first indication information;

receiving, by the terminal device, the control information of the system information on the resource for sending the control information of the system information; and

25 determining, by the terminal device, the first resource according to a resource indicated by the control information of the system information.

12. The method of claim 11, wherein the control information of the system information is further used for indicating a transmission periodicity for sending the system information, and/or

the control information of the system information is further used for indicating content information contained in the sent system information.

13. The method of any one of claims 8 to 12,

5 wherein determining, by the terminal device, the resource according to the first indication information comprises:

determining, by the terminal device, the first resource according to the first indication information when the first indication information is further used for indicating that the terminal device needs to send the system information on the first resource.

10 14. The method of claim 8, wherein before receiving, by the terminal device, the system information on the configured first resource, the method further comprises:

determining, by the terminal device, the first resource according to preconfigured information.

15 15. The method according to claim 14, wherein the preconfigured information is used for indicating a calculation method of the first resource;

wherein determining, by the terminal device, the first resource according to the preconfigured information comprises:

determining, by the terminal device, the first resource according to the calculation method of the first resource indicated by the preconfigured information.

16. An apparatus for receiving system information, comprising:

20 a receiving module, used for receiving system information on a configured first resource;

wherein the receiving module is further used for:

receiving first indication information before receiving the system information on the configured first resource;

wherein the apparatus further comprises:

25 a first determining module, used for determining the first resource according to the first indication information;

wherein the first indication information is further used for indicating whether the at least

one terminal device needs to receive the system information on the resource for sending the system information.

17. The apparatus of claim 16, wherein the first indication information is used for indicating location of a resource for sending the system information, or the first indication
5 information is used for indicating starting location of a resource for sending the system information, and at least one of time domain width of a resource block and frequency domain width of the resource block;

wherein the first determining module is specifically used for determining the first resource according to the location of the resource for sending the system information indicated by the
10 first indication information; or

wherein the first determining module is further specifically used for determining the first resource according to the starting location of the resource for sending the system information, and the at least one of the time domain width of the resource block and the frequency domain width of the resource block, indicated by the first indication information.

18. The apparatus of claim 17, wherein the first indication information is further used for indicating a transmission periodicity for sending the system information, and/or the first
15 indication information is further used for indicating content information contained in the system information.

19. The apparatus of claim 16, wherein the first indication information is further used for
20 indicating location of a resource for sending control information of the system information, or the first indication information is used for indicating starting location of a resource for sending control information of the system information, and at least one of time domain width of a resource block and frequency domain width of the resource block;

wherein the first determining module is specifically used for determining the resource for
25 sending the control information of the system information according to the location of the resource for sending the control information of the system information indicated by the first indication information, or according to the starting location of the resource for sending the control information of the system information, and the at least one of the time domain of the resource block and the frequency domain width of the resource block, indicated by the first

indication information;

wherein the receiving module is further used for receiving the control information of the system information on the resource for sending the control information of the system information; and

5 the first determining module is specifically used for determining the first resource according to a resource indicated by the control information of the system information.

20. The apparatus of claim 19, wherein the control information of the system information is further used for indicating a transmission periodicity for sending the system information, and/or the control information of the system information is further used for indicating content
10 information contained in the sent system information.

21. The apparatus of any one of claims 16 to 20,

wherein the first determining module is specifically used for determining the first resource according to the first indication information when the first indication information is further used for indicating that the apparatus needs to send the system information on the first resource.

15 22. The apparatus of claim 16, wherein the apparatus further comprises:

a second determining module, used for determining the first resource according to preconfigured information before receiving the system information on the configured first resource.

23. The apparatus according to claim 22, wherein the preconfigured information is used
20 for indicating a calculation method of the first resource;

wherein the second determining module is specifically used for determining the first resource according to the calculation method of the first resource indicated by the preconfigured information.