

WHAT IS CLAIMED IS:

1. A method for scheduling a terminal device, comprising:

determining , by a network device, first configuration information, the first configuration information indicating each time moment for the terminal device to perform a pre-scheduled service and a respective frequency domain resource used by the terminal device to perform the pre-scheduled service at each time moment; and

sending, by the network device, the first configuration information to the terminal device;

wherein the pre-scheduled service is a periodic service, and the terminal device uses different frequency domain resources to perform the pre-scheduled service at at least two of the time moments;

wherein frequency domain resources used by the terminal device to perform the pre-scheduled service are periodically cycled.

2. The method according to claim 1, wherein the first configuration information is sent by the network device through high layer signaling or physical layer signaling.

3. The method according to claim 1, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is sent by the network device through the high layer signaling, and the frequency domain resource indication information is sent by the network device through the physical layer signaling.

4. A method for scheduling a terminal device, comprising:

receiving, by the terminal device, first configuration information from a network device, the first configuration information indicating each time moment for the terminal device to perform the pre-scheduled service and a respective frequency domain resource used by the terminal device to perform the pre-scheduled service at each time moment; and

performing, by the terminal device, the pre-scheduled service on the time domain

resource and the frequency domain resource indicated by the first configuration information;

wherein the pre-scheduled service is a periodic service, a periodic service, and the terminal device uses different frequency domain resources to perform the pre-scheduled service at at least two of the time moments;

wherein frequency domain resources used by the terminal device to perform the pre-scheduled service are periodically cycled.

5. The method according to claim 4, wherein the first configuration information is received by the terminal device through high layer signaling or physical layer signaling.

6. The method according to claim 4, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is received by the terminal device through the high layer signaling, and the frequency domain resource indication information is received by the terminal device through the physical layer signaling.

7. The method for scheduling a terminal device according to claim 1, further comprising:

receiving, by a network device, a service request message from the terminal device, the service request message indicating a time moment when the terminal device will perform a pre-scheduled service and a size of data to be transmitted for the pre-scheduled service;

wherein the first configuration information is determined according to the service request message.

8. The method according to claim 7, wherein the first configuration information is sent by the network device through high layer signaling or physical layer signaling.

9. The method according to claim 7, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is sent by the

network device through the high layer signaling, and the frequency domain resource indication information is sent by the network device through the physical layer signaling.

10. The method for scheduling a terminal device according to claim 4, further comprising:

sending, by the terminal device, a service request message to a network device, the service request message indicating a time moment when the terminal device will perform a pre-scheduled service and a size of data to be transmitted for the pre-scheduled service

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11. The method according to claim 10, wherein the first configuration information is determined according to the service request message.

12. The method according to claim 10, wherein the first configuration information is received by the terminal device through high layer signaling or physical layer signaling.

13. The method according to claim 10, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is received by the terminal device through the high layer signaling, and the frequency domain resource indication information is received by the terminal device through the physical layer signaling.

14. A network device, comprising:

a memory;

a transceiver; and

a processor;

wherein the memory is configured to store a program, the processor is configured to execute the program, and when the program is executed, the processor is caused to determine first configuration information, the first configuration information indicating each time moment for the terminal device to perform the pre-scheduled service and a respective frequency domain resource used by the terminal device to perform the pre-scheduled service

at each time moment; and

wherein the transceiver is configured to send the first configuration information to the terminal device;

wherein the pre-scheduled service is a periodic service, a periodic service, and the terminal device uses different frequency domain resources to perform the pre-scheduled service at at least two of the time moments;

wherein frequency domain resources used by the terminal device to perform the pre-scheduled service are periodically cycled.

15. The network device according to claim 14, wherein the first configuration information is sent by the transceiver through high layer signaling or physical layer signaling.

16. The network device according to claim 14, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is sent by the sending module through the high layer signaling, and the frequency domain resource indication information is sent by the transceiver through the physical layer signaling.

17. A terminal device, comprising:

a memory;

a transceiver; and

a processor;

wherein the memory is configured to store a program, the processor is configured to execute the program, and when the program is executed, the transceiver is configured to

receive first configuration information from a network device, the first configuration information indicating each time moment for the terminal device to perform the pre-scheduled service and a respective frequency domain resource used by the terminal device to perform the pre-scheduled service at each time moment; and

the processor is configured to perform the pre-scheduled service on the time domain resource and the frequency domain resource indicated by the first configuration information;

wherein the pre-scheduled service is a periodic service, a periodic service, and the terminal device uses different frequency domain resources to perform the pre-scheduled service at at least two of the time moments;

wherein frequency domain resources used by the terminal device to perform the pre-scheduled service are periodically cycled.

18. The terminal device according to claim 17, wherein the first configuration information is received by the transceiver through high layer signaling or physical layer signaling.

19. The terminal device according to claim 17, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is received by the receiving module through the high layer signaling, and the frequency domain resource indication information is received by the transceiver through the physical layer signaling.

20. The network device according to claim 14,

wherein the transceiver is caused to receive a service request message from a terminal device, the service request message indicating a time moment when the terminal device will perform a pre-scheduled service and a size of data to be transmitted for the pre-scheduled service, and the processor is configured to

determine first configuration information according to the service request message.

21. The network device according to claim 20, wherein the first configuration information is sent by the transceiver through high layer signaling or physical layer signaling.

22. The network device according to claim 20, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is sent by

the sending module through the high layer signaling, and the frequency domain resource indication information is sent by the transceiver through the physical layer signaling.

23. The terminal device according to claim 17, wherein the transceiver is caused to send a service request message to a network device, the service request message indicating a time moment when the terminal device will perform a pre-scheduled service and a size of data to be transmitted for a pre-scheduled service.

24. The terminal device according to claim 23, wherein the first configuration information is received by the transceiver through high layer signaling or physical layer signaling.

25. The terminal device according to claim 23, wherein the first configuration information comprises time domain periodicity indication information and frequency domain resource indication information, the time domain periodicity indication information is received by the receiving module through the high layer signaling, and the frequency domain resource indication information is received by the transceiver through the physical layer signaling.