

What is claimed is:

1. A wireless communications method, comprising:

determining, by a network device, a time interval threshold for switching an uplink transmit antenna by a terminal, a basic parameter set used when the terminal uses the uplink transmit antenna to send a signal, and a configuration of a slot or a mini slot; and

sending, by the network device, first information according to the time interval threshold, the basic parameter set, and the configuration of the slot or mini slot to instruct the terminal to switch or not to switch the uplink transmit antenna.

2. The method according to claim 1, wherein the sending, by the network device, first information according to the time interval threshold, the basic parameter set, and the configuration of the slot or mini slot to instruct the terminal to switch or not to switch the uplink transmit antenna comprises:

sending the first information according to a subcarrier spacing and/or a symbol length comprised in the basic parameter set.

3. The method according to claim 1, wherein the sending, by the network device, first information according to the time interval threshold, the basic parameter set, and the configuration of the slot or mini slot to instruct the terminal to switch or not to switch the uplink transmit antenna comprises:

when the length of the slot or mini slot is greater than or equal to a third threshold, sending, by the network device, the first information, the first information is used to instruct to switch the uplink transmit antenna.

4. The method according to claim 1, wherein the sending, by the network device, first information according to the time interval threshold, the basic parameter set, and the configuration of the slot or mini slot to instruct the terminal to switch or not to switch the uplink transmit antenna comprises:

when the length of the slot or mini slot is less than a third threshold, sending, by the network device, the first information, wherein the first information is used to instruct not to

switch the uplink transmit antenna.

5. The method according to claim 1, wherein the determining, by the network device, the time interval threshold for switching the uplink transmit antenna by the terminal comprises:

5 selecting, by the network device, the time interval threshold from a time interval threshold set.

6. The method according to claim 5, wherein the selecting, by the network device, the time interval threshold from the time interval threshold set comprises:

10 selecting the time interval threshold from the time interval threshold set according to the basic parameter set used when the terminal uses the uplink transmit antenna to send a signal.

7. A wireless communications method, comprising:

15 receiving, by a terminal, first information sent by a network device, wherein the first information is used to instruct the terminal to switch an uplink transmit antenna, and the first information is determined based on a time interval threshold for switching an uplink transmit antenna by a terminal, a basic parameter set used when the terminal uses the uplink transmit antenna to send a signal, and a configuration of a slot or a mini slot; and

determining, by the terminal in response to the first information, whether to switch the uplink transmit antenna.

20 8. The method according to claim 7, further comprises:

determining, according to a subcarrier spacing and/or a symbol length comprised in the basic parameter set, whether to switch the uplink transmit antenna.

9. The method according to claim 7, further comprises:

25 when a first time length is greater than or equal to the time interval threshold, determining to switch the uplink transmit antenna; or

when a first time length is less than the time interval threshold, determining not to

switch the uplink transmit antenna, wherein the first time length is equal to a time length before a switching time node, a time length after a switching time node or a sum of time lengths before and after a switching time node.

10. A network device, comprising a processing unit and a communications unit,
5 wherein

the processing unit is configured to determine a time interval threshold for performing frequency hopping by a terminal during transmission of a first signal, a basic parameter set used by the terminal to transmit the first signal, and a configuration of a slot or a mini slot; and

10 the communications unit is configured to send first information according to the time interval threshold, the basic parameter set, and the configuration of the slot or mini slot, wherein the first information is used to instruct the terminal to perform or not to perform frequency hopping during transmission of the first signal.

11. The device according to claim 10, wherein the communications unit is further
15 configured to:

send the first information according to a subcarrier spacing and/or a symbol length comprised in the basic parameter set.

12. The device according to claim 10, wherein the communications unit is further configured to:

20 when the length of the slot or mini slot is greater than or equal to a third threshold, send the first information, wherein the first information is used to instruct to perform frequency hopping.

13. The device according to claim 10, wherein the communications unit is further configured to:

25 when the length of the slot or mini slot is less than a third threshold, send the first information, wherein the first information is used to instruct not to perform frequency hopping.

14. The device according to claim 10, wherein the processing unit is further configured to:

select the time interval threshold from a time interval threshold set.

15. The device according to claim 14, wherein the processing unit is further
5 configured to:

select the time interval threshold from the time interval threshold set according to the basic parameter set used by the terminal to transmit the first signal.

16. A network device, comprising a processing unit and a communications unit,
wherein

10 the processing unit is configured to determine a time interval threshold for switching an uplink transmit antenna by a terminal, a basic parameter set used when the terminal uses the uplink transmit antenna to send a signal, and a configuration of a slot or a mini slot; and

the communications unit is configured to send first information according to the time interval threshold, the basic parameter set, and the configuration of the slot or mini slot to
15 instruct the terminal to switch or not to switch the uplink transmit antenna.

17. The device according to claim 16, wherein the communications unit is further configured to:

send the first information according to a subcarrier spacing and/or a symbol length comprised in the basic parameter set.

20 18. The device according to claim 16, wherein the communications unit is further configured to:

when the length of the slot or mini slot is greater than or equal to a third threshold, send the first information, wherein the first information is used to instruct to switch the uplink transmit antenna.

25 19. The device according to claim 16, wherein the communications unit is further configured to:

when the length of the slot or mini slot is less than a third threshold, send the first information, wherein the first information is used to instruct not to switch the uplink transmit antenna.