

device to transmit the one first channel by using the plurality of time units.

[0055] In combination with the second aspect or any of the above possible implementations, in another possible implementation of the second aspect, the receiving, by the network device, the one first channel sent by a terminal device on the plurality of time units includes:

[0056] receiving, by the network device, the first channel using a same frequency domain resource in the plurality of time units; or

[0057] receiving, by the network device, the one first channel by using a first frequency domain resource in a first time unit of the plurality of time units and using a second frequency domain resource in a time unit other than the first time unit in the plurality of time units, wherein the second frequency domain resource is determined based on the first frequency domain resource.

[0058] In combination with the second aspect or any of the above possible implementations, in another possible implementation of the second aspect, the method further includes: the time unit is a time slot, a subframe or a frame.

[0059] According to a third aspect, there is provided a terminal device for performing the method in the above first aspect or any of the possible implementations of the first aspect. In particular, the terminal device includes functional modules for performing the method in the above first aspect or any of the possible implementations of the first aspect.

[0060] According to a fourth aspect, there is provided a network device for performing the method in the above second aspect or any of the possible implementations of the second aspect. In particular, the network device includes functional modules for performing the method in the above second aspect or any of the possible implementations of the second aspect.

[0061] According to a fifth aspect, there is provided a terminal device, including a processor, a memory and a transceiver. The processor, the memory and the transceiver are communicated with each other through an internal connection line to transmit control and/or data signals, so that the terminal device performs the method in the above first aspect or any of the possible implementations of the first aspect.

[0062] According to a sixth aspect, there is provided a network device, including a

and the parts displayed as units may or may not be physical units, that is, they may be located in one place, or may be distributed on multiple network units. Some or all of the units may be selected according to actual needs to achieve the objectives of the solutions in the embodiments.

[00189] In addition, each functional unit in each embodiment of the present disclosure may be integrated in one processing unit, or each unit may exist alone physically, or two or more units may be integrated in one unit.

[00190] The functions may also be stored in a computer-readable storage medium if being implemented in the form of a software functional unit and sold or used as an independent product. Based on such understanding, the essence of the technical solutions of the present disclosure, or the part contributing to the related art or a part of the technical solutions, may be embodied in the form of a software product. The computer software product is stored in a storage medium including the number of instructions such that a computer device (which may be a personal computer, a server, or a network device, etc.) performs all or a part of steps of the method described in each of the embodiments of the present disclosure. The foregoing storage medium includes: any medium that is capable of storing program codes such as a USB disk, a mobile hard disk, a Read-Only Memory (ROM), a Random Access Memory (RAM), a magnetic disk, or an optical disk.

WHAT IS CLAIMED IS:

1. A wireless communication method, comprising:

determining, by a terminal device, a plurality of time units according to a constraint condition starting from a first time unit, the plurality of time units being used for transmitting one first channel; and

sending, by the terminal device, the one first channel to a network device on the plurality of time units.

2. The method according to claim 1, wherein the constraint condition is a constraint on at least one of followings of the time unit: a physical resource available for transmitting the one first channel within the time unit, or a channel transmitted in the time unit other than the one first channel.

3. The method according to claim 2, wherein the constraint on the physical resource available for transmitting the one first channel within the time unit comprises: a constraint on the number of the physical resource available for transmitting the one first channel within the time unit.

4. The method according to any one of claims 1 to 3, wherein the number of a physical resource available for transmitting the first channel in each of the time units satisfying the constraint condition is greater than or equal to a predetermined value.

5. The method according to claim 4, comprising:

the number of time domain symbols available for transmitting the one first channel within each of the time units satisfying the constraint condition being greater than or equal to a first predetermined value; or

the number of time domain symbols available for transmitting the one first channel within each of the time units satisfying the constraint condition being greater than or equal to a first predetermined value, and the number of frequency domain resources available for transmitting the one first channel being greater than or equal to a second predetermined value; or

the number of a first channel unit available for transmission within each of the time units satisfying the constraint condition being greater than or equal to a third predetermined value.

6. The method according to claim 5, further comprising:

receiving, by the terminal device, second configuration information sent by the network device, the second configuration information being used for indicating the predetermined value.

7. The method according to any one of claims 1 to 6, wherein the determining, by the terminal device, the plurality of time units according to the constraint condition starting from the first time unit comprises:

determining, by the terminal device, a specific number of the time units according to the constraint condition starting from the first time unit.

8. The method according to claim 7, further comprising:

receiving, by the terminal device, third configuration information sent by the network device, the third configuration information being used for indicating the specific number.

9. The method according to any one of claims 1 to 8, further comprising:

receiving, the terminal device, fourth configuration information sent by the network device, the fourth configuration information being used for indicating the terminal device to use the plurality of time units to transmit the one first channel.

10. A wireless communication method, comprising:

determining, by a network device, a plurality of time units according to a constraint condition starting from a first time unit, the plurality of time units being used for transmitting one first channel; and

receiving, by the network device, the one first channel sent by a terminal device on the plurality of time units.

11. The method according to claim 10, wherein the constraint condition is a constraint on at least one of followings of the time unit: a physical resource available for transmitting the one first channel within the time unit, or a channel transmitted by the terminal device in the time unit other than the one first channel.

12. The method according to claim 11, wherein the constraint on the physical resource available for transmitting the one first channel within the time unit comprises: a constraint on the number of the physical resource available for transmitting the one first channel within the time unit.

13. The method according to any one of claims 10 to 12, wherein the number of a physical resource available for transmitting the one first channel in each of the time units satisfying the constraint condition is greater than or equal to a predetermined value.

14. The method according to claim 13, comprising:

the number of time domain symbols available for transmitting the one first channel within each of the time units satisfying the constraint condition being greater than or equal to a first predetermined value; or

the number of time domain symbols available for transmitting the one first channel within each of the time units satisfying the constraint condition being greater than or equal to a first predetermined value, and the number of frequency domain resources available for transmitting the one first channel being greater than or equal to a second predetermined value;

or

the number of a first channel unit available for transmission within each of the time units satisfying the constraint condition being greater than or equal to a third predetermined value.

15. A communication device, comprising:

a processor;

a memory; and

a transceiver,

wherein the memory stores program codes, and the processor executes the program codes stored in the memory to perform the wireless communication method via the transceiver according to any one of claims 1-14.