

What is claimed is:

1. A method for determining uplink control channel resources, comprising:

determining, by a terminal, a quantity N of bits of uplink control information to be transmitted;

5 determining, by the terminal, a first quantity of physical resource blocks (PRBs) according to a target code rate and the N ;

determining, by the terminal, a quantity of PRBs to be actually used according to the first quantity of PRBs and a quantity of preconfigured PRBs, wherein the quantity of the PRBs to be actually used is not greater than the quantity of the preconfigured PRBs; and

10 transmitting, by the terminal, uplink control information using the quantity of the PRBs to be actually used,

wherein the quantity of the preconfigured PRBs is determined by indicating through a higher layer signaling.

2. The method for determining uplink control channel resources according to claim 1,
15 wherein the target code rate is configured by a network side device.

3. The method for determining uplink control channel resources according to claim 1, wherein the quantity of the preconfigured PRBs and the first quantity of PRBs comprise:

a quantity of PRBs occupied by an uplink control channel.

4. The method for determining uplink control channel resources according to claim 1,
20 wherein determining, by the terminal, the quantity of the PRBs to be actually used according to the first quantity of PRBs and the quantity of the preconfigured PRBs, comprises:

when the first quantity of PRBs is not greater than the quantity of the preconfigured PRBs, determining, by the terminal, that the quantity of the PRBs to be actually used is equal to the first quantity of PRBs.

25 5. The method for determining uplink control channel resources according to claim 4, wherein the terminal determines that the PRBs to be actually used are first Q PRBs of the preconfigured PRBs, and the Q is the first quantity of PRBs.

6. The method for determining uplink control channel resources according to claim 1,
30 wherein determining, by the terminal, the quantity of the PRBs to be actually used according to the first quantity of PRBs and the quantity of the preconfigured PRBs, comprises:

when the first quantity of PRBs is greater than the quantity of the preconfigured PRBs, determining, by the terminal, that the quantity of the PRBs to be actually used is equal to the quantity of the preconfigured PRBs.

7. The method for determining uplink control channel resources according to claim 1,
5 wherein determining, by the terminal, the quantity of the PRBs to be actually used according to the first quantity of PRBs and the quantity of the preconfigured PRBs, comprises:

determining, by the terminal, a first quantity of bits of uplink control information according to the target code rate and the quantity of the preconfigured PRBs when the first quantity of PRBs is greater than the quantity of the preconfigured PRBs.

10 8. The method for determining uplink control channel resources according to claim 7, wherein determining, by the terminal, the first quantity of bits of the uplink control information according to the target code rate and the quantity of the preconfigured PRBs, comprises:

performing signaling compression on the uplink control information to be transmitted, and obtaining new uplink control information to be transmitted, wherein a quantity of bits of the
15 new uplink control information to be transmitted is not greater than the first quantity of bits of the uplink control information.

9. The method for determining uplink control channel resources according to claim 8, wherein obtaining the new uplink control information to be transmitted, further comprises:

the quantity of the PRBs to be actually used being equal to the quantity of the
20 preconfigured PRBs.

10. A terminal, comprising a processor and a memory, wherein the memory is configured to store a computer program and the processor is configured to call and execute the computer program stored in the memory to perform:

determining a quantity N of bits of uplink control information to be transmitted;

25 determining a first quantity of physical resource blocks (PRBs) according to a target code rate and the N;

determining a quantity of PRBs to be actually used according to the first quantity of PRBs and a quantity of preconfigured PRBs, wherein the quantity of the PRBs to be actually used is not greater than the quantity of the preconfigured PRBs; and

30 transmitting uplink control information by using the quantity of the PRBs to be actually used,

wherein the quantity of the preconfigured PRBs is determined by indicating through a higher layer signaling.

11. The terminal according to claim 10, wherein the target code rate is configured by a network side device; and

5 the quantity of the preconfigured PRBs and the first quantity of PRBs comprise:
a quantity of PRBs occupied by an uplink control channel.

12. The terminal according to claim 10, wherein when the first quantity of PRBs is not greater than the quantity of the preconfigured PRBs, the quantity of the PRBs to be actually used is equal to the first quantity of PRBs.

10 13. The terminal according to claim 12, wherein the terminal determines that the PRBs to be actually used are first Q PRBs of the preconfigured PRBs, and the Q is the first quantity of PRBs.

14. The terminal according to claim 10, wherein when the first quantity of PRBs is greater than the quantity of the preconfigured PRBs, the quantity of the PRBs to be actually used is
15 equal to the quantity of the preconfigured PRBs.

15. The terminal according to claim 10, wherein the processor is further configured to call and execute the computer program stored in the memory to perform:

determining a first quantity of bits of uplink control information according to the target code rate and the quantity of the preconfigured PRBs when the first quantity of PRBs is greater
20 than the quantity of the preconfigured PRBs.

16. The terminal according to claim 15, wherein the processor is further configured to call and execute the computer program stored in the memory to perform:

performing signaling compression on the uplink control information to be transmitted, and obtaining new uplink control information to be transmitted, wherein a quantity of bits of the
25 new uplink control information to be transmitted is not greater than the first quantity of bits of the uplink control information.

17. The terminal according to claim 16, wherein the quantity of the PRBs to be actually used is equal to the quantity of the preconfigured PRBs; or

the terminal determines a second quantity of PRBs according to the target code rate and
30 the quantity of bits of the new uplink control information to be transmitted; wherein the quantity of the PRBs to be actually used is equal to the second quantity of PRBs.

18. A network side device, comprising a processor and a memory, wherein the memory is configured to store a computer program and the processor is configured to call and execute the computer program stored in the memory to perform:

determining a quantity N of bits of uplink control information to be received;

5 determining a first quantity of physical resource blocks (PRBs) according to a target code rate and the N ;

determining a quantity of PRBs to be actually used according to the first quantity of rPRBs and a quantity of preconfigured PRBs, wherein the quantity of the PRBs to be actually used is not greater than the quantity of the preconfigured PRBs; and

10 receiving uplink control information using the quantity of the PRBs to be actually used, wherein the quantity of the preconfigured PRBs is determined by indicating through a higher layer signaling.