CLAIMS

What is claimed is:

1. An uplink transmission method, performed by a terminal and comprising:

in a case that an uplink control channel conflicts with an uplink data channel, performing multiplexing transmission for uplink control information and uplink transmission, wherein

a transmission resource of the uplink data channel occupied by the uplink transmission and a transmission resource of the uplink control channel overlap, and the uplink transmission meets a preset condition;

wherein the preset condition comprises: the uplink transmission is a configured grant;

wherein the uplink transmission comprises: uplink transmission generated in a case that no data transmission is performed on the carrier to which the uplink transmission belongs.

2. The method according to claim 1, wherein the uplink data channel is a dynamic grant or a configured grant.

3. The method according to claim 2, wherein in a case that the uplink data channel is a dynamic grant, the terminal enables an uplink skipping function on at least one carrier, and the uplink data channel belongs to the carrier on which the uplink skipping function is enabled.

4. The method according to claim 3, wherein a carrier, of the terminal, on which the uplink skipping function is prohibited from being enabled or is not configured comprises at least one of the following:

a primary carrier or a carrier with the smallest carrier index in a carrier group.

5. The method according to any one of claims 1 to 4, wherein in a case that the carrier to which the uplink transmission belongs is the same as the carrier to which the uplink data channel belongs, the uplink skipping function is enabled on the carrier to which the uplink transmission belongs; or

in a case that the carrier to which the uplink transmission belongs is different from the carrier to which the uplink data channel belongs, the uplink skipping function is not enabled or configured on the carrier to which the uplink transmission belongs, or the uplink skipping function is enabled on the carrier to which the uplink transmission belongs.

6. The method according to claim 1, wherein the uplink transmission further comprises:

uplink transmission generated in a case that data transmission is performed on the carrier to which the uplink transmission belongs.

7. An uplink receiving method, performed by a network-side device and comprising:

in a case that an uplink control channel conflicts with an uplink data channel, receiving uplink control information and uplink transmission, wherein multiplexing transmission is performed for the uplink control information and the uplink transmission, wherein

a transmission resource of the uplink data channel occupied by the uplink transmission and a transmission resource of the uplink control channel overlap, and the uplink transmission meets a preset condition；

wherein the preset condition comprises: the uplink transmission is a configured grant;

wherein the uplink transmission comprises: uplink transmission generated in a case that no data transmission is performed on the carrier to which the uplink transmission belongs.

8. The method according to claim 7, wherein the uplink data channel is a dynamic grant or a configured grant.

9. The method according to claim 8, wherein the carrier to which the uplink transmission belongs is the same as or different from the carrier to which the uplink data channel belongs.

10. A terminal, comprising a memory, a processor, and a program or instructions stored in the memory and capable of running on the processor, wherein when the program or instructions are executed by the processor, the steps of the uplink transmission method according to any one of claims 1 to 6 are implemented.

11. A network-side device, comprising a memory, a processor, and a program or instructions stored in the memory and capable of running on the processor, wherein when the program or instructions are executed by the processor, the steps of the uplink receiving method according to any one of claims 7 to 9 are implemented.