CLAIMS

What is claimed is:

1. A method for configured grant configuration, applied to a terminal and comprising:

obtaining a mapping relationship between a plurality of configured grant configuration sets and a plurality of indexes, wherein the configured grant configuration set comprises at least two configured grant configurations;

receiving downlink control information (DCI) and determining, based on the mapping relationship, a configured grant configuration set corresponding to a target index that is indicated by the DCI, wherein the target index is any one of the plurality of indexes; and

activating or deactivating a configured grant configuration comprised in the configured grant configuration set that is determined;

wherein a quantity of bits to be occupied by the target index is configured by a network-side device, or determined based on a quantity of configured grant configuration sets that are configured by the network-side device.

2. The method according to claim 1, wherein the determining, based on the mapping relationship, a configured grant configuration set corresponding to a target index that is indicated by the DCI comprises:

determining the configured grant configuration set based on a target parameter of the DCI and the target index indicated by the DCI.

3. The method according to claim 2, wherein the target parameter of the DCI comprises at least one of the following:

a format of the DCI;

a radio network temporary identifier (RNTI) corresponding to the DCI;

a control resource set corresponding to the DCI; and

a search space corresponding to the DCI.

4. The method according to claim 1, wherein the obtaining a mapping relationship between a plurality of configured grant configuration sets and a plurality of indexes comprises:

obtaining a predefined mapping relationship between the plurality of configured grant configuration sets and the plurality of indexes; or

obtaining a network-configured mapping relationship between the plurality of configured grant configuration sets and the plurality of indexes.

5. The method according to claim 1, wherein the method further comprises:

determining a transmission occasion start position of each configured grant configuration in the configured grant configuration set based on first indication information indicated by the DCI and first radio resource control (RRC) configuration information, wherein

the first indication information is used to indicate a transmission occasion start position of a first configured grant configuration, and the first configured grant configuration is any one configuration in the configured grant configuration set; and

the first RRC configuration information is used to configure an offset value for transmission occasion start positions of the configured grant configurations in the configured grant configuration set.

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

determining a transmission occasion start position of each configured grant configuration in the configured grant configuration set based on second RRC configuration information, first indication information indicated by the DCI, and second indication information indicated by the DCI; wherein

the second RRC configuration information is used to configure an offset value set for transmission occasion start positions of the configured grant configurations in the configured grant configuration set, and the offset value set comprises at least two offset values;

the first indication information is used to indicate a transmission occasion start position of a first configured grant configuration, and the first configured grant configuration is any one configuration in the configured grant configuration set; and

the second indication information is used to indicate one offset value in the offset value set.

7. The method according to claim 1, wherein different configured grant configurations correspond to different demodulation reference signal (DMRS) parameters; and

the DMRS parameter comprises at least one of the following:

a DMRS port;

an orthogonal mask (OCC) used for a DMRS port; and

a DMRS scrambling identifier.

8. A terminal, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the processor is configured to implement following steps:

obtaining a mapping relationship between a plurality of configured grant configuration sets and a plurality of indexes, wherein the configured grant configuration set comprises at least two configured grant configurations;

receiving downlink control information (DCI) and determining, based on the mapping relationship, a configured grant configuration set corresponding to a target index that is indicated by the DCI, wherein the target index is any one of the plurality of indexes; and

activating or deactivating a configured grant configuration comprised in the configured grant configuration set that is determined;

wherein a quantity of bits to be occupied by the target index is configured by a network-side device, or determined based on a quantity of configured grant configuration sets that are configured by the network-side device.

9. The terminal according to claim 8, wherein the determining, based on the mapping relationship, a configured grant configuration set corresponding to a target index that is indicated by the DCI comprises:

determining the configured grant configuration set based on a target parameter of the DCI and the target index indicated by the DCI.

10. The terminal according to claim 9, wherein the target parameter of the DCI comprises at least one of the following:

a format of the DCI;

a radio network temporary identifier (RNTI) corresponding to the DCI;

a control resource set corresponding to the DCI; and

a search space corresponding to the DCI.

11. The terminal according to claim 8, wherein the obtaining a mapping relationship between a plurality of configured grant configuration sets and a plurality of indexes comprises:

obtaining a predefined mapping relationship between the plurality of configured grant configuration sets and the plurality of indexes; or

obtaining a network-configured mapping relationship between the plurality of configured grant configuration sets and the plurality of indexes.

12. The terminal according to claim 8, wherein the processor is further configured to implement following step:

determining a transmission occasion start position of each configured grant configuration in the configured grant configuration set based on first indication information indicated by the DCI and first radio resource control (RRC) configuration information, wherein

the first indication information is used to indicate a transmission occasion start position of a first configured grant configuration, and the first configured grant configuration is any one configuration in the configured grant configuration set; and

the first RRC configuration information is used to configure an offset value for transmission occasion start positions of the configured grant configurations in the configured grant configuration set.

13. The terminal according to claim 8, wherein the processor is further configured to implement following step:

determining a transmission occasion start position of each configured grant configuration in the configured grant configuration set based on second RRC configuration information, first indication information indicated by the DCI, and second indication information indicated by the DCI; wherein

the second RRC configuration information is used to configure an offset value set for transmission occasion start positions of the configured grant configurations in the configured grant configuration set, and the offset value set comprises at least two offset values;

the first indication information is used to indicate a transmission occasion start position of a first configured grant configuration, and the first configured grant configuration is any one configuration in the configured grant configuration set; and

the second indication information is used to indicate one offset value in the offset value set.

14. The terminal according to claim 8, wherein different configured grant configurations correspond to different demodulation reference signal (DMRS) parameters; and

the DMRS parameter comprises at least one of the following:

a DMRS port;

an orthogonal mask (OCC) used for a DMRS port; and

a DMRS scrambling identifier.

15. A network-side device, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program is executed by the processor, the processor is further configured to implement following steps:

configuring, for a terminal, a mapping relationship between a plurality of configured grant configuration sets and a plurality of indexes, wherein the configured grant configuration set comprises at least two configured grant configurations; and

transmitting downlink control information DCI to the terminal, wherein the DCI is used to indicate a target index, so that the terminal activates or deactivates a configured grant configuration comprised in the configured grant configuration set and corresponding to the target index, wherein the target index is any one of the plurality of indexes;

wherein the processor is further configured to implement following step:

configuring a quantity of bits to be occupied by the target index;

or

configuring, based on a quantity of configured grant configuration sets that are configured, a quantity of bits to be occupied by the target index.

16. The network-side device according to claim 15, wherein in a case that at least two mapping relationships are configured for the terminal, different mapping relationships correspond to different target parameters of the DCI; and

the target parameter of the DCI comprises at least one of the following:

a format of the DCI;

a radio network temporary identifier (RNTI) corresponding to the DCI;

a control resource set corresponding to the DCI; and

a search space corresponding to the DCI.

17. The network-side device according to claim 15, wherein the processor is further configured to implement following step:

configuring different demodulation reference signal (DMRS) parameters corresponding to different configured grant configurations, wherein

the DMRS parameter comprises at least one of the following:

a DMRS port;

an orthogonal mask (OCC) used for a DMRS port; and

a DMRS scrambling identifier.

18. The network-side device according to claim 15, wherein in a case that the configured grant configuration set comprises at least two configured grant configurations, the processor is further configured to implement following step:

transmitting first radio resource control RRC configuration information to the terminal, wherein the first RRC configuration information is used to configure an offset value for transmission occasion start positions of the configured grant configurations in the configured grant configuration set; and

the DCI further indicates first indication information, the first indication information is used to indicate a transmission occasion start position of a first configured grant configuration, and the first configured grant configuration is any one configuration in the configured grant configuration set.

19. The network-side device according to claim 15, wherein in a case that the configured grant configuration set comprises at least two configured grant configurations, the processor is further configured to implement following step:

transmitting second RRC configuration information to the terminal, wherein the second RRC configuration information is used to configure an offset value set for transmission occasion start positions of the configured grant configurations in the configured grant configuration set, and the offset value set comprises at least two offset values; and

the DCI further indicates first indication information and second indication information, the first indication information is used to indicate a transmission occasion start position of a first configured grant configuration, and the first configured grant configuration is any one configuration in the configured grant configuration set, and the second indication information is used to indicate one offset value in the offset value set.