CLAIMS

1. A transmission method, applied to a terminal device and comprising:

receiving first indication information from a network-side device, wherein the first indication information is used to indicate a first resource usable for configured grant transmission within a configured grant resource period; and

transmitting first to-be-transmitted data on the first resource for consecutively K times, wherein K is a positive integer;

wherein the first resource is determined based on a slot offset and a number of consecutive slots indicated by the first indication information.

2. The method according to claim 1, wherein the first indication information indicates the first resource in a field indication mode.

3. The method according to claim 2, wherein in a case that the first indication information indicates the first resource in a field indication mode, the first resource is:

one resource; or

M consecutive resources, wherein M is an integer greater than 1; or

S resource groups, wherein each resource group comprises K consecutive resources, and S is a positive integer.

4. The method according to claim 1, wherein the transmitting first to-be-transmitted data on the first resource for consecutively K times comprises:

if the terminal device succeeds in listen before talk LBT after a first time position and before a second time position, or the terminal device succeeds in LBT at a second time position, transmitting the first to-be-transmitted data for consecutively K times starting at the second time position; wherein

the first time position and the second time position are two adjacent time positions in target time positions; and the target time positions are time positions that are determined based on the first resource and that are usable for starting transmitting the to-be-transmitted data for consecutively K times.

5. The method according to claim 4, wherein in a case that the first resource is M consecutive resources, the target time positions comprise: a start time position of each resource.

6. The method according to claim 5, wherein after the transmitting the first to-be-transmitted data for consecutively K times starting at the second time position, the method further comprises:

transmitting second to-be-transmitted data for consecutively K times starting at a third time position in a case that the K^{th} transmission of the first to-be-transmitted data is completed and there is a remaining resource in the first resource, wherein

the third time position is an end time position of the K^{th} transmission of the first to-be-transmitted data.

7. The method according to claim 4, wherein in a case that the first resource is S resource groups, the target time positions comprise: a start time position of each resource group.

8. The method according to claim 7, wherein after the transmitting the first to-be-transmitted data for consecutively K times starting at the second time position, the method further comprises:

transmitting second to-be-transmitted data for consecutively K times starting at a target time position next to the second time position in a case that the K^{th} transmission of the first to-be-transmitted data is completed and there is a remaining resource group in the first resource.

9. The method according to any one of claims 1 to 8, wherein redundancy version RV fields corresponding to to-be-transmitted data in all transmissions are all set to be invalid and a same value, wherein

the RV field is carried in uplink control information UCI.

10. A transmission method, applied to a network-side device and comprising:

transmitting first indication information to a terminal device, wherein the first indication information is used to indicate a first resource usable for configured grant transmission within a configured grant resource period;

wherein the first resource is determined based on a slot offset and a number of consecutive slots indicated by the first indication information.

11. The method according to claim 10, wherein the first indication information indicates the first resource in a field indication mode.

12. The method according to claim 11, wherein in a case that the first indication information indicates the first resource in a field indication mode, the first resource is:

one resource; or

M consecutive resources, wherein M is an integer greater than 1; or

S resource groups, wherein each resource group comprises K consecutive resources, and S is a positive integer.

13. A terminal device, comprising:

a receiving module, configured to receive first indication information from a network-side device, wherein the first indication information is used to indicate a first resource usable for configured grant transmission within a configured grant resource period; and

a first transmission module, configured to transmit first to-be-transmitted data on the first resource for consecutively K times, wherein K is a positive integer;

wherein the first resource is determined based on a slot offset and a number of consecutive slots indicated by the first indication information.

14. A network-side device, comprising:

a transmitting module, configured to transmit first indication information to a terminal device, wherein the first indication information is used to indicate a first resource usable for configured grant transmission within a configured grant resource period;

wherein the first resource is determined based on a slot offset and a number of consecutive slots indicated by the first indication information.