

CLAIMS

1. A communication method, comprising:

receiving multiple transmission configuration indicators TCIs from a network device;

receiving at least one message from the network device, wherein the at least one message is
5 used to determine at least one TCI and at least two TCIs of the multiple TCIs, the at least one TCI
is used for transmission of a first channel, and the at least two TCIs are used for transmission of a
second channel;

receiving and/or sending the first channel based on the at least one TCI; and/or

receiving and/or sending the second channel based on the at least two TCIs.

10 2. The method according to claim 1, wherein the at least one message comprises a first
message, and the first message indicates the at least one TCI and the at least two TCIs.

3. The method according to claim 1, wherein the at least one message comprises a second
message and a third message, the second message indicates the at least one TCI, and the third
message indicates the at least one TCI or the at least two TCIs.

15 4. The method according to claim 1, wherein the at least one message comprises a fourth
message and a fifth message, the fourth message indicates the at least one TCI, and the fifth
message indicates at least another TCI; and

the method further comprises:

determining the at least one TCI based on the fourth message; and

20 determining the at least two TCIs based on the fourth message and the fifth message.

5. The method according to claim 1, wherein the at least one message comprises a sixth
message, and the sixth message indicates at least a part of TCIs of the multiple TCIs; and

the method further comprises:

25 determining the at least one TCI and/or the at least two TCIs from at least the part of TCIs
based on a preset criterion.

6. The method according to claim 5, wherein the preset criterion comprises at least one of the
following:

respective identifiers of at least the part of TCIs;

an order of at least the part of TCIs;

30 respective activation time of at least the part of TCIs;

an order of activation time of at least the part of TCIs;

respective effective time of at least the part of TCIs; or

an order of effective time of at least the part of TCIs.

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

receiving a seventh message from the network device, wherein the seventh message indicates the preset criterion.

8. The method according to claim 5 or 6, wherein the sixth message further indicates the preset criterion.

5 9. The method according to any one of claims 5 to 8, further comprising:
 sending capability information to the network device, wherein the capability information indicates a preset criterion supported by a terminal device.

 10. A communication method, comprising:
 sending multiple transmission configuration indicators TCIs to a terminal device;
10 sending at least one message to the terminal device, wherein the at least one message is used to determine at least one TCI and at least two TCIs of the multiple TCIs, the at least one TCI is used for transmission of a first channel, and the at least two TCIs are used for transmission of a second channel;

 receiving and/or sending the first channel based on the at least one TCI; and/or
15 receiving and/or sending the second channel based on the at least two TCIs.

 11. The method according to claim 10, wherein the at least one message comprises a first message, and the first message indicates the at least one TCI and the at least two TCIs.

 12. The method according to claim 10, wherein the at least one message comprises a second message and a third message, the second message indicates the at least one TCI, and the third
20 message indicates the at least one TCI or the at least two TCIs.

 13. The method according to claim 10, wherein the at least one message comprises a fourth message and a fifth message, the fourth message indicates the at least one TCI, and the fifth message indicates at least another TCI.

 14. The method according to claim 13, wherein the at least one message comprises a sixth
25 message, the sixth message indicates at least a part of TCIs of the multiple TCIs, and the sixth message is used by the terminal device to select the at least one TCI and/or the at least two TCIs from at least the part of TCIs based on a preset criterion.

 15. The method according to claim 14, wherein the preset criterion comprises at least one of the following:

30 respective identifiers of at least the part of TCIs;
 an order of at least the part of TCIs;
 respective activation time of at least the part of TCIs;
 an order of activation time of at least the part of TCIs;
 respective effective time of at least the part of TCIs; or
35 an order of effective time of at least the part of TCIs.

16. The method according to claim 14 or 15, further comprising:

sending a seventh message to the terminal device, wherein the seventh message indicates the preset criterion.

17. The method according to claim 14 or 15, wherein the sixth message further indicates the
5 preset criterion.

18. The method according to any one of claims 14 to 17, further comprising:

receiving capability information from the terminal device, wherein the capability information indicates a preset criterion supported by the terminal device.

19. A communication apparatus, comprising a processor, wherein the processor is configured
10 to execute instructions stored in a memory; and when the instructions are executed by the processor, the communication apparatus is enabled to implement the method according to any one of claims 1 to 18.

20. A computer-readable storage medium, wherein the computer-readable storage medium stores computer-executable instructions; and when the computer-executable instructions are
15 executed by a processor, the method according to any one of claims 1 to 18 is implemented.

21. A computer program product, wherein the computer program product comprises computer-executable instructions; and when the computer-executable instructions are executed, the method according to any one of claims 1 to 18 is implemented.

22. A chip, comprising a processing circuit, configured to perform the method according to
20 any one of claims 1 to 18.