CLAIMS

1. A capability management method, applied to a first communications device, and comprising:

receiving terminal capability request information, wherein the terminal capability request information comprises first indication information used to indicate a requested terminal capability; and

sending first related information of the terminal capability according to the first indication information.

2. The method according to claim 1, wherein the first indication information comprises at least one of the following: first capability identifier information, second capability identifier information, third capability identifier information, second indication information used to indicate that there is no terminal capability information, and a null value used to indicate that there is no terminal capability information; wherein

the second capability identifier information is capability identifier information with no mapped terminal capability in the first capability identifier information, and the third capability identifier information is capability identifier information with a mapped terminal capability in the first capability identifier information.

3. The method according to claim 1, wherein the first related information of the terminal capability comprises at least one of the following: a terminal capability to which first capability identifier information is mapped, a terminal capability to which second capability identifier information is mapped, and a terminal capability of a terminal.

4. The method according to claim 3, wherein the first related information of the terminal capability further comprises at least one of the following: the first capability identifier information, the second capability identifier information, and capability identifier information to which the terminal capability of the terminal is mapped.

5. The method according to claim 2, wherein

when the first indication information comprises the first capability identifier information, the first related information of the terminal capability comprises at least one of the following: a terminal capability to which the first capability identifier information is mapped and the first capability identifier information; and/or

when the first indication information comprises the first capability identifier information and the third capability identifier information, and/or the first indication information comprises the second capability identifier information, and/or the first indication information comprises the third capability identifier information, the first related information of the terminal capability comprises at least a terminal capability to which the second capability identifier information is mapped and

the second capability identifier information; and/or

when the first indication information comprises the null value and/or the second indication information, the first related information of the terminal capability comprises at least one of the following: a terminal capability of a terminal, capability identifier information to which the terminal capability of the terminal is mapped, the first capability identifier information, and a terminal capability to which the first capability identifier information is mapped.

6. A capability management method, applied to a second communications device, and comprising:

obtaining first information, wherein the first information comprises first capability identifier information; and

sending terminal capability request information based on the first capability identifier information, wherein the terminal capability request information comprises first indication information used to indicate a requested terminal capability.

7. The method according to claim 6, wherein the sending terminal capability request information based on the first capability identifier information comprises:

sending the terminal capability request information based on the first capability identifier information when a preset condition is met; wherein

the meeting the preset condition comprises at least one of the following:

there is no terminal capability to which the first capability identifier information is mapped; and

there is no terminal capability to which second capability identifier information in the first capability identifier information is mapped.

8. The method according to claim 6, wherein the first indication information comprises at least one of the following: the first capability identifier information, second capability identifier information, third capability identifier information, second indication information used to indicate that there is no terminal capability information, and a null value used to indicate that there is no terminal capability information; wherein

the third capability identifier information is capability identifier information with a mapped terminal capability in the first capability identifier information.

9. The method according to claim 6, wherein after the sending terminal capability request information based on the first capability identifier information, the method further comprises:

receiving first related information of the terminal capability that is returned according to the first indication information.

10. A capability management method, applied to a third communications device, and comprising:

sending second information, wherein the second information comprises one of fourth capability identifier information and fifth capability identifier information; wherein

the fourth capability identifier information has a mapped terminal capability, and the fifth capability identifier information has no mapped terminal capability.

11. A capability management method, applied to a fourth communications device, and comprising:

obtaining second information, wherein the second information comprises one of fourth capability identifier information and fifth capability identifier information; and

sending second related information of a terminal capability based on the second information.

the fourth capability identifier information has a mapped terminal capability, and the fifth capability identifier information has no mapped terminal capability.

12. The method according to claim 11, wherein the second related information of the terminal capability comprises at least one of the following: capability identifier information and the terminal capability.

13. The method according to claim 11, wherein the second related information of the terminal capability comprises:

the fourth capability identifier information; and/or

the fifth capability identifier information and a terminal capability to which the fifth capability identifier information is mapped.

14. The method according to claim 11, wherein before the sending second related information of a terminal capability based on the second information, the method further comprises:

obtaining first capability identifier information.

15. The method according to claim 14, comprising at least one of the following:

when a first condition is met, the second related information of the terminal capability comprises the first capability identifier information and a terminal capability to which the first capability identifier information is mapped, and the first condition comprises at least one of the following: the first capability identifier information does not belong to the fourth capability identifier information, and the first capability identifier information belongs to the fifth capability identifier information;

when a second condition is met, the second related information of the terminal capability comprises the first capability identifier information, and the second condition comprises at least one of the following: the first capability identifier information belongs to the fourth capability identifier information, and the first capability identifier information does not belong to the fifth capability identifier information; and

when a third condition is met, the second related information of the terminal capability

comprises third capability identifier information, second capability identifier information, and a terminal capability to which the second capability identifier information is mapped, and the third condition comprises at least one of the following: the third capability identifier information belongs to the fourth capability identifier information, the third capability identifier information does not belong to the fifth capability identifier information, the second capability identifier information does not belong to the fourth capability identifier information, and the second capability identifier information belongs to the fifth capability identifier information; wherein

the second capability identifier information and the third capability identifier information belong to the first capability identifier information.

16. A first communications device, comprising:

a first receiving module, configured to receive terminal capability request information, wherein the terminal capability request information comprises first indication information used to indicate a requested terminal capability; and

a first sending module, configured to send first related information of the terminal capability according to the first indication information.

17. A second communications device, comprising:

a first obtaining module, configured to obtain first information, wherein the first information comprises first capability identifier information; and

a second sending module, configured to send terminal capability request information based on the first capability identifier information, wherein the terminal capability request information comprises first indication information used to indicate a requested terminal capability.

18. A third communications device, comprising:

a third sending module, configured to send second information, wherein the second information comprises one of fourth capability identifier information and fifth capability identifier information; wherein

the fourth capability identifier information has a mapped terminal capability, and the fifth capability identifier information has no mapped terminal capability.

19. A fourth communications device, comprising:

a second obtaining module, configured to obtain second information, wherein the second information comprises one of fourth capability identifier information and fifth capability identifier information; and

a fourth sending module, configured to send second related information of a terminal capability based on the second information; wherein

the fourth capability identifier information has a mapped terminal capability, and the fifth capability identifier information has no mapped terminal capability.

20. A communications device, comprising a processor, a memory, and a computer program that is stored on the memory and that can run on the processor, wherein when the computer program is executed by the processor, steps of the capability management method according to any one of claims 1 to 5 are implemented, or steps of the capability management method according to any one of claims 6 to 9 are implemented, or steps of the capability management method according to claim 10 are implemented, or steps of the capability management method according to any one of claims 11 to 15 are implemented.

21. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, steps of the capability management method according to any one of claims 1 to 5 are implemented, or steps of the capability management method according to any one of claims 6 to 9 are implemented, or steps of the capability management method according to claim 10 are implemented, or steps of the capability management method according to any one of claims 11 to 15 are implemented.