CLAIMS

1. A service indication method, executed by a network device, wherein the method comprises:

receiving, from a terminal device of a user, matching information specific to the user, or sending the matching information specific to a user to a terminal device of the user, wherein

the matching information comprises one or more matching values, and one of the matching values corresponds to one or more services or corresponds to one or more service types;

receiving a message related to data of a target service or a target service type, or receiving the data of the target service or the target service type; wherein the message is triggered by the data of the target service or the target service type; and

sending a first target matching value to the terminal device through a paging message;

wherein the first target matching value corresponds to the target service or the target service type.

2. The method according to claim 1, wherein the matching information further comprises at least one piece of the following information corresponding to a second target matching value:

one or more pieces of target service information;

one or more pieces of target service type information;

one or more pieces of high-priority service information, wherein a service corresponding to the high-priority service information is capable of preempting a service corresponding to the target service information;

one or more pieces of high-priority service type information, wherein a service corresponding to the high-priority service type information is capable of preempting a service corresponding to the target service type information;

one or more pieces of low-priority service information, wherein a service corresponding to the low-priority service information is incapable of preempting a service corresponding to the target service information;

one or more pieces of low-priority service type information, wherein a service corresponding to the low-priority service type information is incapable of preempting a service corresponding to the target service type information;

priority information of a service corresponding to the target service information;

priority information of a service type corresponding to the target service type information;

initiator information of a service corresponding to the target service information; and

initiator information of a service of a service type corresponding to the target service type information;

wherein the second target matching value is one of the one or more matching values.

3. The method according to claim 1, wherein before the receiving matching information specific to a user, the method further comprises:

sending a request message to the terminal device of the user, wherein the request message comprises one or more pieces of service information or one or more pieces of service type information, the service information is used to indicate the service, and the service type information is used to indicate the service type.

4. The method according to claim 1, wherein before the sending the matching information specific to a user to a terminal device of the user, the method further comprises:

receiving a request message from the terminal device, wherein the request message comprises one or more pieces of service information or one or more pieces of service type information, the service information is used to indicate the service, and the service type information is used to indicate the service type; and

generating a corresponding matching value for the service information or the service type information.

5. The method according to claim 3 or 4, wherein the request message further comprises at least one piece of the following information corresponding to target service information or target service type information:

one or more pieces of high-priority service information, wherein a service corresponding to the high-priority service information is capable of preempting a service corresponding to the target service information;

one or more pieces of high-priority service type information, wherein a service corresponding to the high-priority service type information is capable of preempting a service corresponding to the target service type information;

one or more pieces of low-priority service information, wherein a service corresponding to the low-priority service information is incapable of preempting a service corresponding to the target service information;

one or more pieces of low-priority service type information, wherein a service corresponding to the low-priority service type information is incapable of preempting a service corresponding to the target service type information;

priority information of a service corresponding to the target service information;

priority information of a service type corresponding to the target service type information;

initiator information of a service corresponding to the target service information; and

initiator information of a service of a service type corresponding to the target service type information.

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

receiving, from the terminal device of the user, service information or service type information corresponding to a currently active service of the terminal device; and

based on the service information or service type information corresponding to the currently active service, the matching information, and one of the target service or the target service type, determining to refuse to send the first target matching value.

7. A service indication method, executed by a terminal device, wherein the method comprises:

sending, to a network device, matching information specific to a user of the terminal device, or receiving, from a network device, the matching information specific to a user of the terminal device, wherein

the matching information comprises one or more matching values, and one of the matching values corresponds to one or more services or corresponds to one or more service types; and

receiving, from the network device, a paging message carrying a first target matching value; wherein the first target matching value corresponds to the target service or the target service type.

8. The method according to claim 7, wherein after the sending, to a network device, matching information specific to a user of the terminal device, or receiving, from a network device, the matching information specific to a user of the terminal device, the method further comprises:

displaying prompt information of a target service or a target service type corresponding to the first target matching value; wherein

the target service or the target service type is determined based on the first target matching value and the matching information.

9. The method according to claim 7, wherein after the sending, to a network device, matching information specific to a user of the terminal device, or receiving, from a network device, the matching information specific to a user of the terminal device, the method further comprises:

sending, to the network device, service information or service type information corresponding to a currently active service, wherein

the service information or service type information corresponding to the currently active service is used by the network device to determine, based on the matching information and the service information or service type information corresponding to the currently active service, whether to send a paging message.

10. The method according to claim 8, wherein after the sending, to a network device, matching information specific to a user of the terminal device, or receiving,

from a network device, the matching information specific to a user of the terminal device, the method further comprises:

determining, based on the first target matching value and the service information or service type information corresponding to a currently active service, whether to respond to the message.

11. The method according to claim 7, wherein before the sending, to a network device, matching information specific to a user of the terminal device, the method further comprises:

receiving a request message sent by the network device, wherein the request message comprises one or more pieces of service information or one or more pieces of service type information, the service information is used to indicate the service, and the service type information is used to indicate the service type; and

generating a corresponding matching value for the service information or the service type information.

12. The method according to claim 7, wherein before the receiving, from the network device, the matching information specific to the user of the terminal device, the method further comprises:

sending a request message to the network device, wherein the request message comprises one or more pieces of service information or one or more pieces of service type information, the service information is used to indicate the service, and the service type information is used to indicate the service type.

13. The method according to claim 11 or 12, wherein the request message further comprises at least one piece of the following information corresponding to target service information or target service type information:

one or more pieces of high-priority service information, wherein a service corresponding to the high-priority service information is capable of preempting a service corresponding to the target service information;

one or more pieces of high-priority service type information, wherein a service corresponding to the high-priority service type information is capable of preempting a service corresponding to the target service type information;

one or more pieces of low-priority service information, wherein a service corresponding to the low-priority service information is incapable of preempting a service corresponding to the target service information;

one or more pieces of low-priority service type information, wherein a service corresponding to the low-priority service type information is incapable of preempting a service corresponding to the target service type information;

priority information of a service corresponding to the target service information;

priority information of a service type corresponding to the target service type information;

initiator information of a service corresponding to the target service information; and

initiator information of a service of a service type corresponding to the target service type information.

14. The method according to claim 7, wherein the matching information further comprises at least one piece of the following information corresponding to a second target matching value:

one or more pieces of target service information;

one or more pieces of target service type information;

one or more pieces of high-priority service information, wherein a service corresponding to the high-priority service information is capable of preempting a service corresponding to the target service information;

one or more pieces of high-priority service type information, wherein a service corresponding to the high-priority service type information is capable of preempting a service corresponding to the target service type information;

one or more pieces of low-priority service information, wherein a service corresponding to the low-priority service information is incapable of preempting a service corresponding to the target service information;

one or more pieces of low-priority service type information, wherein a service corresponding to the low-priority service type information is incapable of preempting a service corresponding to the target service type information;

priority information of a service corresponding to the target service information;

priority information of a service type corresponding to the target service type information;

initiator information of a service corresponding to the target service information; and

initiator information of a service of a service type corresponding to the target service type information;

wherein the second target matching value is one of the one or more matching values.

15. The method according to claim 7, wherein the service is represented by service information, the service type is represented by service type information, and the service information and/or the service type information comprises at least one of the following:

a name;

an identifier; and

rule information;

wherein the rule information comprises at least one of the following:

a rule identifier;

one or more IP addresses;

one or more port numbers;

one or more protocol types; and

one or more pieces of codec information;

wherein the IP address comprises a number or a wildcard, and the port number comprises a number or a wildcard.

16. A network device, comprising:

a communications module, configured to receive, from a terminal device of a user, matching information specific to the user, or send the matching information specific to a user to a terminal device of the user, wherein

the matching information comprises one or more matching values, and one of the matching values corresponds to one or more services or corresponds to one or more service types;

wherein the communications module is further configured to:

receive a message related to data of a target service or a target service type, or receive the data of the target service or the target service type; wherein the message is triggered by the data of the target service or the target service type; and

send a first target matching value to the terminal device through a paging message;

wherein the first target matching value corresponds to the target service or the target service type.

17. A terminal device, comprising:

a communications module, configured to send, to a network device, matching information specific to a user of the terminal device, or receive, from a network device, the matching information specific to a user of the terminal device, wherein

the matching information comprises one or more matching values, and one of the matching values corresponds to one or more services or corresponds to one or more service types;

wherein the communications module is further configured to:

receive, from the network device, a paging message carrying a first target matching value; wherein the first target matching value corresponds to the target service or the target service type.

18. A terminal device, comprising a memory, a processor, and a computer program stored in the memory and capable of running on the processor, wherein the computer program is executed by the processor, the steps of the service indication method according to any one of claims 7 to 15 are implemented.

19. A network device, comprising a memory, a processor, 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 steps of the service indication method according to any one of claims 1 to 6 are implemented.