WHAT IS CLAIMED IS:

1. A paging response method, for a terminal configured to couple at least two operator networks, comprising:

determining information indicating a first priority for communicating with a first operator network in the at least two operator networks in response to a connected state with the first operator network;

acquiring information indicating a second priority for communication between a second operator network in the at least two operator networks and the terminal from a paging message in response to receiving the paging message from the second operator network; and

determining to maintain the connected state with the first operator network, or to disconnect from the first operator network and to respond to the paging message of the second operator network, based on the information indicating the first priority and the information indicating the second priority;

wherein the information indicating the first priority comprises a plurality of types of sub-information, and determining the information indicating the first priority for communicating with the first operator network comprises: weighting and summing the plurality of types of sub-information to determine the information indicating the first priority; and the information indicating the second priority comprises a plurality of types of sub-information, and acquiring the information indicating the second priority comprises: weighting and summing the plurality of types of sub-information to determine the information indicating the second priority.

2. The method as claimed in claim 1, wherein, determining to maintain the connected state with the first operator network, or to disconnect from the first operator network and to respond to the paging message of the second operator network, based on the information indicating the first priority and the information indicating the second priority, comprises:

determining whether the first priority is higher than the second priority based on a value of the information indicating the first priority and a value of the information indicating the second priority;

maintaining the connected state with the first operator network in response that the first priority is higher than the second priority; and

disconnecting from the first operator network, and responding to the paging message of the second operator network, in response that the second priority is higher than the first priority.

3. The method as claimed in claim 2, wherein, determining to maintain the connected state with the first operator network, or to disconnect from the first operator network and to respond to the paging message of the second operator network, based on the information indicating the first priority and the information indicating the second priority, further comprises:

maintaining the connected state with the first operator network in response that the first priority is equal to the second priority.

4. The method as claimed in claim 1, wherein, determining whether the first priority is higher than the second priority based on the value of the information indicating the first priority and the value of the information indicating the second priority, comprises:

determining whether the first priority is higher than the second priority based on the value of the information indicating the first priority and the value of the information indicating the second priority in response that a type of the information indicating the first priority is same with a type of the information indicating the second priority; and

determining whether the first priority is higher than the second priority based on the value of the information indicating the first priority and the value of the information indicating the second priority after converting the information indicating the first priority and the information indicating the second priority to the same type, in response that the type of the information indicating the first priority is different from the type of the information indicating the second priority.

5. The method as claimed in claim 1, wherein, the information indicating the first priority comprises *m* types of sub-information, and determining the information indicating the

first priority for communicating with the first operator network, comprises:

setting a weight for each type of sub-information, wherein, a weight for an i^{th} type of sub-information is x_i, $i \leqslant n$, i and n are integers;

determining a value of each type of sub-information, wherein, a value of the i^{th} type of sub-information is p_i; and

weighting and summing each type of sub-information to determine information A on the first priority:

$$A = \sum_{i=1}^{i=n} x_i p_i .$$

6. The method as claimed in claim 1, wherein, the information indicating the second priority comprises m types of sub-information, and acquiring the information indicating the second priority for communication between the second operator network and the terminal from the paging message, comprises:

acquiring each type of sub-information from the paging message;

setting a weight for each type of sub-information, wherein, a weight for a j^{th} type of sub-information is y_j, $j \leqslant m$, j and m are integers;

determining a value of each type of sub-information, wherein, a value of the j^{th} type of sub-information is q_j; and

weighting and summing each type of sub-information to determine information B on the second priority:

$$B = \sum_{j=1}^{j=m} y_j q_j .$$

7. The method as claimed in any one of claims 1 to 6, wherein, the information indicating the first priority comprises at least one of:

type of service (ToS), quality of service (QoS), and quality of service class identifier (QCI); and/or

the information indicating the second priority comprises at least one of:

ToS, QoS, QCI, and reason of paging the terminal.

8. A paging method, for an operator network, comprising:

generating a paging message based on information indicating a priority for communicating with a terminal; and

transmitting the paging message to the terminal, wherein, the paging message comprises the information indicating the priority;

wherein the information indicating the priority comprises a plurality of types of sub-information, such that the terminal determining the information indicating the priority comprises: weighting and summing the plurality of types of sub-information to determine the information indicating the first priority.

9. The method as claimed in claim 8, wherein, the information indicating the priority comprises at least one of:

type of service (ToS), quality of service (QoS), quality of service class identifier (QCI), and reason of paging the terminal.

10. A paging response apparatus, for a terminal configured to couple at least two operator networks, comprising:

an information determining module, configured to determine information indicating a first priority for communicating with a first operator network in the at least two operator networks in response to a connected state with the first operator network;

an information acquiring module, configured to acquire information indicating a second priority for communication between a second operator network in the at least two operator networks and the terminal from a paging message in response to receiving the paging message from the second operator network; and

a coupling processing module, configured to determine to maintain the connected state with the first operator network, or to disconnect from the first operator network and to respond to the paging message of the second operator network, based on the information indicating the first priority and the information indicating the second priority;

wherein the information indicating the first priority comprises a plurality of types of

sub-information, and determining the information indicating the first priority for communicating with the first operator network comprises: weighting and summing the plurality of types of sub-information to determine the information indicating the first priority; and the information indicating the second priority comprises a plurality of types of sub-information, and acquiring the information indicating the second priority comprises: weighting and summing the plurality of types of sub-information to determine the information indicating the second priority.

11. The apparatus as claimed in claim 10, wherein the coupling processing module comprises:

a priority comparison submodule, configured to determine whether the first priority is higher than the second priority based on a value of the information indicating the first priority and a value of the information indicating the second priority;

a coupling maintaining submodule, configured to maintain the connected state with the first operator network in response that the first priority is higher than the second priority; and

a paging response submodule, configured to disconnect from the first operator network, and responding to the paging message of the second operator network, in response that the second priority is higher than the first priority.

12. The apparatus as claimed in claim 11, wherein, the coupling maintaining submodule is further configured to maintain the connected state with the first operator network in response that the first priority is equal to the second priority.

13. The apparatus as claimed in claim 10, the priority comparison submodule is further configured to:

determine whether the first priority is higher than the second priority based on the value of the information indicating the first priority and the value of the information indicating the second priority in response that a type of the information indicating the first priority is same with a type of the information indicating the second priority; and

determine whether the first priority is higher than the second priority based on the value

of the information indicating the first priority and the value of the information indicating the second priority after converting the information indicating the first priority and the information indicating the second priority to the same type, in response that the type of the information indicating the first priority is different from the type of the information indicating the second priority.

14. The apparatus as claimed in claim 10, wherein, the information indicating the first priority comprises *m* types of sub-information, and the information determining module comprises:

a first weight setting submodule, configured to set a weight for each type of sub-information, wherein, a weight for an i^{th} type of sub-information is x_i, $i \leqslant n$, i and n are integers;

a first value determining submodule, configured to determine a value of each type of sub-information, wherein, a value of the i^{th} type of sub-information is p_i; and

a first computing submodule, configured to weight and sum each type of sub-information to determine information A on the first priority:

$$A = \sum_{i=1}^{i=n} x_i p_i .$$

15. The apparatus as claimed in claim 10, wherein, the information indicating the second priority comprises *m* types of sub-information, and the information acquiring module comprises:

an information acquiring submodule, configured to acquire each type of sub-information from the paging message;

a second weight setting submodule, configured to set a weight for each type of sub-information, wherein, a weight for a j^{th} type of sub-information is y_j, $j \leqslant m$, j and m are integers;

a second value determining submodule, configured to determine a value of each type of sub-information, wherein, a value of the j^{th} type of sub-information is q_j; and

a second computing submodule, configured to weight and sum each type of

sub-information to determine information B on the second priority:

$$B = \sum_{j=1}^{j=m} y_j q_j .$$

16. The apparatus as claimed in any one of claims 10 to 15, wherein, the information indicating the first priority comprises at least one of:

type of service (ToS), quality of service (QoS), and quality of service class identifier (QCI); and/or

the information indicating the second priority comprises at least one of:

ToS, QoS, QCI, and reason of paging the terminal.

17. A paging apparatus, for an operator network, comprising:

a paging generating module, configured to generate a paging message based on information indicating a priority for communicating with a terminal; and

a paging transmitting module, configured to transmit the paging message to the terminal, wherein, the paging message comprises the information indicating the priority;

wherein the information indicating the priority comprises a plurality of types of sub-information, such that the terminal determining the information indicating the priority comprises: weighting and summing the plurality of types of sub-information to determine the information indicating the first priority.

18. The apparatus as claimed in claim 17, wherein, the information indicating the priority comprises at least one of:

type of service (ToS), quality of service (QoS), quality of service class identifier (QCI), and reason of paging the terminal.

19. An electronic device, comprising:

a processor; and

a memory configured to store instructions executable by the processor;

wherein, the processor is configured to perform the method as claimed in any one of

claims 1 to 7.

20. An electronic device, comprising:

a processor; and

a memory configured to store instructions executable by the processor;

wherein, the processor is configured to perform the method as claimed in claim 8 or claim 9.

21. A computer-readable storage medium having stored therein computer programs that, when executed by a processor, action in the method as claimed in any one of claims 1 to 7 are performed.

22. A computer-readable storage medium having stored therein computer programs that, when executed by a processor, action in the method as claimed in claim 8 or 9 are performed.