WHAT IS CLAIMED IS:

1. A method for paging monitoring, performed by a terminal, comprising:

determining, according to a determination result of whether a cell where the terminal in a radio resource control (RRC) unconnected state resides supports an enhanced discontinuous reception (eDRX) in the RRC unconnected state, a paging cycle for the terminal in the RRC unconnected state to perform a paging monitoring in the cell;

wherein the terminal is pre-configured with an eDRX parameter for performing the paging monitoring based on the eDRX in the RRC unconnected state.

2. The method according to claim 1, wherein determining, according to the determination result of whether the cell where the terminal in the radio resource control (RRC) unconnected state resides supports the enhanced discontinuous reception (eDRX) in the RRC unconnected state, the paging cycle for the terminal in the RRC unconnected state to perform the paging monitoring in the cell comprises:

determining that the cell where the terminal resides supports the eDRX in the RRC unconnected state, and the paging cycle is a cycle indicated by the eDRX parameter; or

determining that the cell where the terminal resides does not support the eDRX in the RRC unconnected state, and the paging cycle is a predetermined cycle.

3. The method according to claim 2, wherein

the cell where the terminal resides does not support the eDRX in an RRC inactive state, and a paging time window (PTW) in the RRC inactive state indicated by the eDRX parameter becomes invalid; and/or

the cell where the terminal resides does not support the eDRX in an RRC inactive state, and an eDRX cycle in the RRC inactive state indicated by the eDRX parameter becomes invalid.

4. The method according to claim 2, wherein

the cell where the terminal resides does not support the eDRX in an RRC idle state, and a PTW in the RRC idle state indicated by the eDRX parameter becomes invalid; and/or

the cell where the terminal resides does not support the eDRX in an RRC idle state, and an eDRX cycle in the RRC idle state indicated by the eDRX parameter becomes invalid; and/or

the cell where the terminal resides does not support the eDRX in an RRC idle state, and a PTW in an RRC inactive state indicated by the eDRX parameter becomes invalid; and/or

the cell where the terminal resides does not support the eDRX in an RRC idle state, and an eDRX cycle in an RRC inactive state indicated by the eDRX parameter becomes invalid.

5. The method according to claim 2, further comprising:

determining that the cell where the terminal resides does not support the eDRX in the RRC

unconnected state, and determining the predetermined cycle according to a cycle indicated by the eDRX parameter.

6. The method according to claim 5, wherein determining the predetermined cycle according to the cycle indicated by the eDRX parameter comprises:

determining that a cycle indicated by the eDRX parameter in an RRC inactive state is greater than or equal to a first cycle threshold, and determining the predetermined cycle in the RRC inactive state according to a radio access paging cycle configured by a network; or

determining that a cycle indicated by the eDRX parameter in an RRC inactive state is less than or equal to a first cycle threshold, and determining the predetermined cycle in the RRC inactive state according to a default radio access paging cycle.

7. The method according to claim 6, wherein the cell does not support the eDRX in the RRC inactive state; and determining the predetermined cycle in the RRC inactive state according to the default radio access paging cycle comprises:

determining that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal is less than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determining the predetermined cycle according to at least one of an eDRX cycle in the idle state or the default radio access paging cycle; or

determining that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the default radio access paging cycle.

8. The method according to claim 6, wherein the cell does not support the eDRX in the RRC inactive state; and determining the predetermined cycle in the RRC inactive state according to the radio access paging cycle configured by the network comprises:

determining that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is greater than or equal to the first cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle, or the radio access paging cycle configured by the network.

9. The method according to claim 6, wherein the cell does not support the eDRX in an RRC idle state; and determining the predetermined cycle in the RRC inactive state according to the default radio access paging cycle comprises:

determining that the terminal in the RRC inactive state is configured such that a cycle indicated by the eDRX parameter in an RRC idle state is less than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the default radio access paging cycle; or

determining that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the default radio access paging cycle.

10. The method according to claim 6, wherein the cell does not support the eDRX in an RRC idle state; and determining the predetermined cycle in the RRC inactive state according to the radio access paging cycle configured by the network comprises:

determining that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is greater than or equal to the first cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the radio access paging cycle configured by the network.

11. The method according to claim 5, wherein determining the predetermined cycle according to the cycle indicated by the eDRX parameter comprises:

determining that the terminal in an RRC inactive state is only configured with the eDRX parameter in an RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is less than or equal to a second cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or a radio access paging cycle configured by a network;

determining that the terminal in an RRC idle state is only configured with the eDRX parameter in the RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is less than or equal to a second cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value or a default paging cycle;

determining that the terminal in an RRC inactive state is only configured with the eDRX parameter in an RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is greater than or equal to a second cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or a radio

access paging cycle configured by a network; or

determining that the terminal in an RRC idle state is only configured with the eDRX parameter in the RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is greater than or equal to a second cycle threshold, and determining the predetermined cycle according to at least one of a terminal specific DRX value or a default paging cycle.

12. An apparatus for paging monitoring, comprising:

a determining module, configured to determine, according to a determination result of whether a cell where a terminal in a radio resource control (RRC) unconnected state resides supports an enhanced discontinuous reception (eDRX) in the RRC unconnected state, a paging cycle for the terminal in the RRC unconnected state to perform a paging monitoring in the cell;

wherein the terminal is pre-configured with an eDRX parameter for performing the paging monitoring based on the eDRX in the RRC unconnected state.

13. The apparatus according to claim 12, wherein the determining module is further configured to:

determine that the cell where the terminal resides supports the eDRX in the RRC unconnected state, and the paging cycle is a cycle indicated by the eDRX parameter; or

determine that the cell where the terminal resides does not support the eDRX in the RRC unconnected state, and the paging cycle is a predetermined cycle.

14. The apparatus according to claim 13, wherein the cell where the terminal resides does not support the eDRX in an RRC inactive state, and at least one of a paging time window (PTW) in the RRC inactive state or an eDRX cycle in the RRC inactive state indicated by the eDRX parameter becomes invalid; or

wherein the cell where the terminal resides does not support the eDRX in an RRC idle state, and at least one of a PTW in the RRC idle state, an eDRX cycle in the RRC idle state, a PTW in an RRC inactive state, or an eDRX cycle in the RRC inactive state indicated by the eDRX parameter becomes invalid.

15. The apparatus according to claim 13, wherein the determining module is further configured to:

determine that the cell where the terminal resides does not support the eDRX in the RRC unconnected state, and determine the predetermined cycle according to a cycle indicated by the eDRX parameter.

16. The apparatus according to claim 15, wherein the determining module is further configured to:

determine that a cycle indicated by the eDRX parameter in an RRC inactive state is greater than or equal to a first cycle threshold, and determine the predetermined cycle in the RRC

inactive state according to a radio access paging cycle configured by a network;

determine that a cycle indicated by the eDRX parameter in an RRC inactive state is less than or equal to a first cycle threshold, and determine the predetermined cycle in the RRC inactive state according to a default radio access paging cycle;

determine that the terminal in an RRC inactive state is only configured with the eDRX parameter in an RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is less than or equal to a second cycle threshold, and determine the predetermined cycle according to a terminal specific DRX value, a default paging cycle and/or a radio access paging cycle configured by a network;

determine that the terminal in an RRC idle state is only configured with the eDRX parameter in the RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is less than or equal to a second cycle threshold, and determine the predetermined cycle according to a terminal specific DRX value and/or a default paging cycle;

determine that the terminal in an RRC inactive state is only configured with the eDRX parameter in an RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is greater than or equal to a second cycle threshold, and determine the predetermined cycle according to a terminal specific DRX value, a default paging cycle and/or a radio access paging cycle configured by a network; or

determine that the terminal in an RRC idle state is only configured with the eDRX parameter in the RRC idle state, and a cycle indicated by the eDRX parameter in the RRC idle state is greater than or equal to a second cycle threshold, and determine the predetermined cycle according to a terminal specific DRX value and/or a default paging cycle.

17. The apparatus according to claim 16, wherein the cell does not support the eDRX in the RRC inactive state, and the determining module is further configured to:

determine that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal is less than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determine the predetermined cycle according to at least one of an eDRX cycle in the idle state or the default radio access paging cycle;

determine that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determine the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the default radio access paging cycle; or

determine that a cycle indicated by the eDRX parameter in an RRC idle state configured for

the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is greater than or equal to the first cycle threshold, and determine the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle, or the radio access paging cycle configured by the network.

18. The apparatus according to claim 16, wherein the cell does not support the eDRX in an RRC idle state, and the determining module is further configured to:

determine that the terminal in the RRC inactive state is configured such that a cycle indicated by the eDRX parameter in an RRC idle state is less than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determine the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the default radio access paging cycle;

determine that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is less than or equal to the first cycle threshold, and determine the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the default radio access paging cycle; or

determine that a cycle indicated by the eDRX parameter in an RRC idle state configured for the terminal in the RRC inactive state is greater than or equal to a second cycle threshold, and the cycle indicated by the eDRX parameter in the RRC inactive state is greater than or equal to the first cycle threshold, and determine the predetermined cycle according to at least one of a terminal specific DRX value, a default paging cycle or the radio access paging cycle configured by the network.

19. A communication device, comprising:

a memory; and

a processor, connected to the memory and configured to implement the method according to any one of claims 1 to 11.

20. A computer storage medium having stored therein computer-executable instructions that, when executed by a processor, cause the processor to perform the method according to any one of claims 1 to 11.