CLAIMS

1. A method for information indication, performed by a user equipment (UE), the method comprising:

determining that the UE does not perform a cell search during a set time duration,

wherein the set time duration corresponds to a time duration of T2-T1, T1 is a timing when a current network stops providing network coverage for the UE, T2 is a next timing when the network starts to provide coverage for the UE, and both T1 and T2 are indicated by an access network device;

wherein not performing the cell search during the set time duration comprises: not performing a tracking area update (TAU).

2. The method of claim 1, wherein not performing the cell search during the set time duration further comprises at least one of:

not monitoring a paging message;

or

not performing the cell search and being in a dormant state.

3. The method of claim 2, wherein

the set time duration is determined by an access network device.

4. The method of claim 3, wherein not monitoring the paging message comprises:

in response to a discontinuous reception (DRX) being configured for the UE, not monitoring the paging message at one or more paging occasions (POs) within a DRX cycle; or

in response to an extended DRX (eDRX) being configured for the UE, not monitoring the paging message within one or more paging time windows (PTWs) or indicating the UE not to monitor the paging message at one or more POs within at least one eDRX cycle within at least one PTW.

5. The method of claim 3, wherein not monitoring the paging message comprises:

in response to a power saving mode (PSM) being configured for the UE, not monitoring the paging message during an operation duration of an activation timer or not monitoring the paging message at one or more paging occasions (POs) within at least one extended

discontinuous reception (eDRX) cycle during the operation duration of the activation timer.

6. The method of claim 2, wherein not performing the TAU comprises:

not performing the TAU after a TAU timer expires.

7. A method for information indication, performed by an access network device, the method comprising:

sending T1 and T2 to a user equipment (UE), wherein T1 is a timing when a current network stops providing network coverage for the UE, T2 is a next timing when the network starts to provide coverage for the UE, T1 and T2 are used by the UE to determine that the UE does not perform a cell search during a set time duration, and the set time duration corresponds to a time duration of T2-T1;

wherein not performing the cell search during the set time duration comprises: not performing a tracking area update (TAU)..

8. The method of claim 7, wherein not performing the cell search during the set time duration further comprises at least one of:

not monitoring a paging message;

or

not performing the cell search and being in a dormant state.

9. The method of claim 8, wherein

the set time duration is determined by the access network device.

10. The method of claim 9, wherein not monitoring the paging message comprises:

when the UE is configured with a discontinuous reception (DRX), the UE does not monitor the paging message at one or more paging occasions (POs) within a DRX cycle;

when the UE is configured with an extended DRX (eDRX), the UE does not monitor the paging message within one or more paging time windows (PTWs) or not monitor the paging message at one or more POs within at least one eDRX cycle within at least one PTW; or

when the UE is configured with a power saving mode (PSM), the UE does not monitor the paging message during an operation duration of an activation timer or determining the UE not to monitor the paging message at one or more paging occasions (POs) within at least one

extended discontinuous reception (eDRX) cycle during the operation duration of the activation timer.

11. A user equipment (UE), comprising:

a processor;

a transceiver; and

a memory storing an executable program,

wherein the processor is configured to perform the method as claimed in any one of claims 1 to 6.

12. A access network device, comprising:

a processor:

a transceiver: and

a memory storing an executable program,

wherein the processor is configured to perform the method as claimed in any one of claims 7 to 10.

13. A storage medium having stored an executable program thereon, wherein when the executable program is executed by a processor of a communication device, steps of the method for information indication of any of claims 1 to 10 are realized.