CLAIMS:

1. A method for paging restriction, performed by a user equipment (UE), comprising:

sending indication information indicating whether the UE receives a paging message triggered by a control plane signaling;

wherein the indication information comprises first paging restriction (PR) information;

wherein the first PR information indicates that the UE is capable of receiving the paging message triggered by the control plane signaling; or

wherein the first PR information indicates at least one of:

being capable of receiving a paging message triggered by a voice service;

being capable of receiving a paging message triggered by a specific protocol data unit (PDU) session;

being capable of receiving a paging message triggered by the voice service and the specific PDU session; or

being capable of receiving a paging message indicated to be received by system signaling indication information.

2. The method according to claim 1, wherein the indication information indicates whether the UE has a willingness to receive the paging message triggered by the control plane signaling, or indicates whether the UE has an ability to receive the paging message triggered by the control plane signaling.

3. The method according to claim 1 or 2, wherein the indication information comprises: system signaling indication information; wherein the system signaling indication information indicates at least one of:

having a willingness to receive or having an unwillingness to receive a paging message triggered by a policy parameter update;

having an ability to receive or having an inability to receive the paging message triggered by the policy parameter update;

having a willingness to receive or having an unwillingness to receive a paging message triggered by a configuration parameter update;

having an ability to receive or having an inability to receive the paging message triggered by the configuration parameter update;

having a willingness to receive or having an unwillingness to receive a paging message

triggered by a subscription information update; or

having an ability to receive or having an inability to receive the paging message triggered by the subscription information update.

4. The method according to claim 1 or 3, wherein the indication information comprises second PR information; wherein the second PR information indicates whether the UE has a willingness to receive the paging message triggered by the control plane signaling, or indicates whether the UE has an ability to receive the paging message triggered by the control plane signaling.

5. The method according to claim 4, wherein the second PR information indicates at least one of:

having a willingness to receive or having an unwillingness to receive all paging messages; having an ability to receive or having an inability to receive all paging messages;

having a willingness to receive or having an unwillingness to receive a paging message triggered by a voice service;

having an ability to receive or having an inability to receive the paging message triggered by the voice service;

having a willingness to receive or having an unwillingness to receive a paging message triggered by a PDU session;

having an ability to receive or having an inability to receive the paging message triggered by the PDU session;

having a willingness to receive or having an unwillingness to receive a paging message triggered by the voice service and the PDU session;

having an ability to receive or having an inability to receive the paging message triggered by the voice service and the PDU session;

having a willingness to or having an ability to receive a paging message indicated to be received by system signaling indication information; or

having an unwillingness to receive or having an inability to receive the paging message indicated not to be received by the system signaling indication information.

6. The method according to claim 4, wherein the second PR information comprises:

a first indication value indicating a willingness to or an ability to receive the paging message triggered by the control plane signaling; or

a second indication value indicating an unwillingness to or an inability to receive the paging message triggered by the control plane signaling.

7. The method according to claim 1, wherein sending the indication information comprises:

sending a registration request message carrying the indication information; or

sending a service request message carrying the indication information.

8. A method for paging restriction, performed by a network device, comprising:

receiving indication information indicating whether a user equipment (UE) receives a paging message triggered by a control plane signaling; and

determining whether to initiate the paging message triggered by the control plane signaling based on the indication information;

wherein determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises one of:

determining to initiate the paging message triggered by the control plane signaling based on the indication information comprising first paging restriction (PR) information; or

determining to initiate no paging message triggered by the control plane signaling based on the indication information comprising no first PR information;

or,

wherein the indication information comprises first PR information;

determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises at least one of:

determining to initiate a paging message triggered by a voice service based on first PR information indicating being capable of receiving the paging message triggered by the voice service;

determining to initiate a paging message triggered by a specific protocol data unit (PDU) session based on first PR information being capable of receiving the paging message triggered by the specific PDU session; or

determining to initiate a paging message triggered by the voice service and the specific PDU session based on first PR information indicating being capable of receiving the paging message triggered by the voice service and the specific PDU session.

9. The method according to claim 8, wherein the indication information indicates whether the UE has a willingness to receive the paging message triggered by the control plane signaling,

or indicates whether the UE has an ability to receive the paging message triggered by the control plane signaling.

10. The method according to claim 8 or 9, wherein the indication information comprises system signaling indication information;

determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises one of:

determining to initiate the paging message triggered by the control plane signaling based on the system signaling indication information indicating that the UE has a willingness to receive or has an ability to receive the paging message triggered by the control plane signaling; or

determining to initiate no paging message triggered by the control plane signaling based on the system signaling indication information indicating that the UE has an unwillingness to receive or has an inability to receive the paging message triggered by the control plane signaling.

11. The method according to claim 8 or 9, wherein the indication information comprises system signaling indication information;

determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises at least one of:

determining to initiate a paging message triggered by a policy parameter update based on the system signaling indication information indicating that the UE has a willingness to receive or is has an ability to receive the paging message triggered by the policy parameter update;

determining to initiate no paging message triggered by the policy parameter update based on the system signaling indication information indicating that the UE has an unwillingness to receive or has an inability to receive the paging message triggered by the policy parameter update;

determining to initiate a paging message triggered by a configuration parameter update based on the system signaling indication information indicating that the UE has a willingness to receive or has an ability to receive the paging message triggered by the configuration parameter update;

determining to initiate no paging message triggered by the configuration parameter update based on the system signaling indication information indicating that the UE has an unwillingness to receive or has an inability to receive the paging message triggered by the configuration parameter update;

determining to initiate a paging message triggered by a subscription information update

based on the system signaling indication information indicating that the UE has a willingness to receive or has an ability to receive the paging message triggered by the subscription information update; or

determining to initiate no paging message triggered by the subscription information update based on the system signaling indication information indicating that the UE has an unwillingness to receive or has an inability to receive the paging message triggered by the subscription information update.

12. The method according to claim 8 or 11, wherein the indication information comprises second PR information;

determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises one of:

determining to initiate the paging message triggered by the control plane signaling based on second PR information comprising a first indication value, wherein the first indication value indicates that the UE receives the paging message triggered by the control plane signaling; or

determining to initiate no paging message triggered by the control plane signaling based on the second PR information comprising a second indication value, wherein the second indication value indicates that the UE receives no paging message triggered by the control plane signaling.

13. The method according to claim 8 or 11, wherein the indication information comprises second PR information;

determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises at least one of:

determining to initiate a paging message that is a paging message triggered by a voice service based on second PR information indicating a willingness to receive or an ability to receive the paging message triggered by the voice service;

determining to initiate no paging message that is the paging message triggered by the voice service based on second PR information indicating an unwillingness to receive or an inability to receive the paging message that is the paging message triggered by the voice service;

determining to initiate a paging message triggered by a PDU session based on second PR information indicating a willingness to receive or an ability to receive the paging message triggered by a specific PDU session;

determining to initiate no paging message triggered by the PDU session based on second PR information indicating an unwillingness to receive or an inability to receive the paging message

triggered by the PDU session;

determining to initiate a paging message triggered by the voice service and the specific PDU session based on second PR information indicating a willingness to receive or an ability to receive the paging message triggered by the voice service and the specific PDU session;

determining to initiate no paging message triggered by the voice service and the specific PDU session based on second PR information indicating an unwillingness to receive or an inability to receive the paging message triggered by the voice service and the specific PDU session;

determining to initiate a paging message indicated to be received by the system signaling indication information based on second PR information indicating a willingness to receive or an ability to receive the paging message indicated to be received by the system signaling indication information; or

determining to initiate no paging message indicated not to be received by the system signaling indication information based on second PR information indicating an unwillingness to receive or an inability to receive the paging message indicated not to be received by the system signaling indication information.

14. The method according to claim 8, wherein receiving the indication information comprises:

receiving a registration request message carrying the indication information; or

receiving a service request message carrying the indication information.

15. A user equipment (UE), comprising:

a sending module, configured to send indication information indicating whether the UE receives a paging message triggered by a control plane signaling;

wherein the indication information comprises first paging restriction (PR) information;

wherein the first PR information indicates that the UE is capable of receiving the paging message triggered by the control plane signaling; or

wherein the first PR information indicates at least one of:

being capable of receiving a paging message triggered by a voice service;

being capable of receiving a paging message triggered by a specific protocol data unit (PDU) session;

being capable of receiving a paging message triggered by the voice service and the specific PDU session; or

being capable of receiving a paging message indicated to be received by system signaling indication information.

16. A network device, comprising:

a receiving module, configured to receive indication information indicating whether a user equipment (UE) receives a paging message triggered by a control plane signaling; and

a processing module, configured to determine whether to initiate the paging message triggered by the control plane signaling based on the indication information;

wherein determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises one of:

determining to initiate the paging message triggered by the control plane signaling based on the indication information comprising first paging restriction (PR) information; or

determining to initiate no paging message triggered by the control plane signaling based on the indication information comprising no first PR information;

or,

wherein the indication information comprises first PR information;

determining whether to initiate the paging message triggered by the control plane signaling based on the indication information comprises at least one of:

determining to initiate a paging message triggered by a voice service based on first PR information indicating being capable of receiving the paging message triggered by the voice service;

determining to initiate a paging message triggered by a specific protocol data unit (PDU) session based on first PR information being capable of receiving the paging message triggered by the specific PDU session; or

determining to initiate a paging message triggered by the voice service and the specific PDU session based on first PR information indicating being capable of receiving the paging message triggered by the voice service and the specific PDU session.

17. A communication device, comprising:

a processor; and

a memory for storing instructions executable by the processor;

wherein the processor is configured to implement a method for UE paging restriction according to any one of claims 1 to 7 or claims 8 to 14 when running the executable instructions.

18. A computer storage medium, wherein the computer storage medium stores a computer executable program, and when the executable program is executed by a processor, the method for paging restriction according to any one of claims 1 to 7 or claims 8 to 14 is implemented.