What is claimed is:

1. An information processing method, performed by a user equipment (UE), comprising:

receiving first information sent by a first network node, wherein the first information is related to a non-public network (NPN);

characterized in that:

obtaining information of a third network according to first configuration information and the first information, and initiating an onboarding procedure with the third network;

wherein in the onboarding procedure, the UE acquires access information from the third network, wherein the access information comprises at least one of:

credential;

the third network comprises at least one of:

a service provider configured to provide access information used to access a Standalone NPN (SNPN);

a local service provider configured to provide access information for accessing an SNPN;

a Subscriber Owner SNPN (SO-SNPN) configured to provide access information for accessing an SNPN;

an onboarding SNPN (O-SNPN) configured to provide access information for accessing an SNPN;

wherein the first configuration information is pre-configured for the UE, and comprises at least one of:

information of a service provider configured to provide access information;

SNPN information;

O-SNPN information;

SO-SNPN information;

subscription information of at least one local service provider;

a label and/or an identification of at least one local service provider;

information of at least one equivalent local service provider;

a service provider control network selector;

a user-controlled network selector;

wherein the first information further comprises information configured to indicate that a state of a cell of the non-public network is "prohibited" or a state of a PLMN granularity is "prohibited" or a state of a non-public network identification granularity is "prohibited";

wherein the method further comprises:

acquiring, according to the first information, information indicating whether a cell of the non-public network supports being accessed by the UE using the access information obtained from the third network.

2. The method according to claim 1, wherein the obtaining the information of the third network according to the first configuration information and the first information comprises:

obtaining the information of the third network from a core network according to the first configuration information and the first information.

3. The method according to claim 1, wherein the information of the third network further comprises at least one of:

O-SNPN information, slice information, data network information, subscription information of at least one local service provider of the UE, a label and/or an identification of at least one local service provider of the UE, information of at least one public land mobile network (PLMN) whose priority meets a first preset requirement, and information of at least one SNPN whose priority meets a second preset requirement.

4. The method according to claim 1, wherein the first configuration information further comprises at least one of:

information of a service provider configured to provide access information;

slice information supported by SNPN;

data network information;

at least one PLMN whose priority meets a third preset requirement;

at least one SNPN whose priority meets a fourth preset requirement.

5. The method according to claim 1, wherein the first information further comprises at least one of:

an indication that the non-public network supports the UE to access to the non-public network by using the access information obtained from the third network;

a third network supported by at least one non-public network;

a label/identification of at least one service provider group supported by the non-public network;

an indication of whether the non-public network supports the onboarding procedure;

an identification of the third network;

a list of group identification IDs;

an indication of whether the non-public network corresponding to a name identifying a non-public network used for manual selection supports the UE to access to the non-public network by using the access information obtained from the third network.

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

sending a registration request message to the third network, wherein the registration request message comprises at least one of:

information configured to indicate that the registration is not related to a UE subscription;

a UE's default credential and corresponding identity;

a label/identification, address information and/or identity of a service provider group from which the access information is obtained;

a label/identification, address information and/or identity of a service provider from which the access information is obtained;

a label/identification, address information and/or identity of an O-SNPN from which the access information is obtained;

a label/identification, address information and/or identity of an SO-SNPN from which the access information is obtained;

a first indication configured to provide a radio access network with information for selecting an access and mobility management function (AMF) of a core network and/or indicate that the registration is only limited to an onboarding service.

7. The method according to claim 1, wherein prior to the receiving the first information sent by the first network node, the method further comprises at least one of:

sending a random access code and an identification and/or a label of the non-public network;

sending an MSG3 and an identification and/or a label of the non-public network;

sending an MSGA and an identification and/or a label of the non-public network;

sending an identification and/or a label of the non-public network.

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

updating permission information of the non-public network of the UE according to the access information;

wherein the permission information of the non-public network comprises at least one of:

a CAG list supported by the UE, an SNPN list supported by the UE, a CAG list and an SNPN list preferred by the UE, whether a CAG ID or an SNPN ID in a CAG list needs a third-party provider's authentication, UE authentication content, third-party provider information, whether supporting a communication with a public network at the same time, whether supporting an IP multimedia subsystem (IMS) voice, whether being a narrowband Internet of Things (NB-IOT), whether being a machine type communication (MTC), UE only accessing through non-public network, UE accessing through public network.

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

when the UE finds that the UE does not have the subscription information of the non-public network according to the received first information, and the non-public

network does not support a capability of accessing through access information of a third party, not initiating an access to a cell of the public network;

or

when the UE finds that the UE does not have the subscription information of the non-public network according to the received first information, and a cell of the non-public network is a cell of a target version, not initiating an access to a cell of the non-public network.

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

when the non-public network supports being accessed by the UE using the access information obtained from the third network, ignoring the information in the first information indicating that the state of the cell of the non-public network is “prohibited” or the state of the PLMN granularity is "prohibited" or the state of non-public network identification granularity is "prohibited";

when the non-public network does not support being accessed by the UE using the access information obtained from the third network, not accessing to the cell of the non-public network, according to the information in the first information indicating that the state of the cell of the non-public network is "prohibited" or the state of the PLMN granularity is "prohibited" or the state of the non-public network identification granularity is "prohibited".

11. An information processing method, performed by a first network node, characterized by comprising:

sending first information to a user equipment (UE), wherein the first information is related to a non-public network (NPN), and configured to enable the UE to determine information of a third network according to first configuration information and the first information and initiate an onboarding procedure;

wherein in the onboarding procedure, the UE acquires access information from a third network;

the access information comprises at least one of:

credential;

the third network comprises at least one of:

a service provider configured to provide access information used to access a Standalone NPN (SNPN);

a local service provider configured to provide access information for accessing an SNPN;

a Subscriber Owner SNPN (SO-SNPN) configured to provide access information for accessing an SNPN;

an onboarding SNPN (O-SNPN) configured to provide access information for accessing an SNPN;

wherein the first configuration information is pre-configured for the UE, and comprises at least one of:

information of a service provider configured to provide access information;

SNPN information;

O-SNPN information;

SO-SNPN information;

subscription information of at least one local service provider;

a label and/or an identification of at least one local service provider;

information of at least one equivalent local service provider;

a service provider control network selector;

a user-controlled network selector;

wherein the first information further comprises information configured to indicate that a state of a cell of the non-public network is "prohibited" or a state of a PLMN granularity is "prohibited" or a state of a non-public network identification granularity is "prohibited"; the first information is used for the UE to acquire information indicating whether a cell of the non-public network supports being accessed by the UE using the access information obtained from the third network.

12. The method according to claim 11, wherein the first information further comprises at least one of:

an indication of access to one or more non-public networks supported by the network using a service provider authentication;

an indication that the non-public network supports the UE to access to the

non-public network by using the access information obtained from the third network;

a third network supported by at least one non-public network;

a label/identification of at least one service provider group supported by the non-public network;

an indication of whether the non-public network supports the onboarding procedure;

an identification of the third network;

a list of group identification IDs;

an indication of whether the non-public network corresponding to a name identifying a non-public network used for manual selection supports the UE to access to the non-public network by using the access information obtained from the third network.

13. The method according to claim 11, wherein the method further comprises:

receiving the access information sent by the UE.

14. An information processing equipment, applied to a UE, comprising: a processor and a transceiver;

the transceiver is configured to receive first information sent by a first network node, wherein the first information is related to a non-public network;

characterized in that the processor is configured to obtain information of a third network according to first configuration information and the first information, and initiating an onboarding procedure with the third network;

wherein in the onboarding procedure, the UE acquires access information from the third network, wherein the access information comprises at least one of:

credential;

the third network comprises at least one of:

a service provider configured to provide access information used to access a Standalone NPN (SNPN);

a local service provider configured to provide access information for accessing an SNPN;

a Subscriber Owner SNPN (SO-SNPN) configured to provide access

information for accessing an SNPN;

an onboarding SNPN (O-SNPN) configured to provide access information for accessing an SNPN;

wherein the first configuration information is pre-configured for the UE, and comprises at least one of:

information of a service provider configured to provide access information;

SNPN information;

O-SNPN information;

SO-SNPN information;

subscription information of at least one local service provider;

a label and/or an identification of at least one local service provider;

information of at least one equivalent local service provider;

a service provider control network selector;

a user-controlled network selector;

wherein the first information further comprises information configured to indicate that a state of a cell of the non-public network is "prohibited" or a state of a PLMN granularity is "prohibited" or a state of a non-public network identification granularity is "prohibited";

wherein the processor is further configured to acquire, according to the first information, information indicating whether a cell of the non-public network supports being accessed by the UE using the access information obtained from the third network.

15. An information processing equipment, applied to a first network node, comprising: a processor and a transceiver; characterized in that

the transceiver is configured to send first information to a user equipment (UE), wherein the first information is related to a non-public network (NPN), and configured to enable the UE to determine information of a third network according to first configuration information and the first information and initiate an onboarding procedure;

wherein in the onboarding procedure, the UE acquires access information from

a third network;

the access information comprises at least one of:

credential;

the third network comprises at least one of:

a service provider configured to provide access information used to access a Standalone NPN (SNPN);

a local service provider configured to provide access information for accessing an SNPN;

a Subscriber Owner SNPN (SO-SNPN) configured to provide access information for accessing an SNPN;

an onboarding SNPN (O-SNPN) configured to provide access information for accessing an SNPN;

wherein the first configuration information is pre-configured for the UE, and comprises at least one of:

information of a service provider configured to provide access information;

SNPN information;

O-SNPN information;

SO-SNPN information;

subscription information of at least one local service provider;

a label and/or an identification of at least one local service provider;

information of at least one equivalent local service provider;

a service provider control network selector;

a user-controlled network selector;

wherein the first information further comprises information configured to indicate that a state of a cell of the non-public network is "prohibited" or a state of a PLMN granularity is "prohibited" or a state of a non-public network identification granularity is "prohibited"; the first information is used for the UE to acquire information indicating whether a cell of the non-public network supports being accessed by the UE using the access information obtained from the third network.