CLAIMS

What is claimed is:

1. A network access method, comprising:

obtaining (210), by a terminal device, first information, wherein the first information is used to indicate whether the terminal device is allowed to simultaneously access a second network when accessing a first network; and

determining (220), by the terminal device according to the first information, whether to initiate an access request to the second network when the terminal device accesses the first network.

2. The method according to claim 1, wherein the obtaining, by a terminal device, first information comprises:

obtaining, by the terminal device, the first information from a universal subscriber identity module (USIM) of the terminal device or a memory of the terminal device.

3. The method according to claim 1, wherein the obtaining, by a terminal device, first information comprises:

receiving the first information sent by a second network element of the second network before the terminal device accesses the first network.

4. The method according to claim 3, wherein the second network element is an access and mobility management function (AMF) or unified data management (UDM).

5. The method according to any one of claims 1 to 4, wherein the first network is a non-public network (NPN), and the second network is a public land mobile network (PLMN).

6. A network access method, comprising:

determining, by a second network element, first information when a first network element of a second network receives an access request message sent by a terminal device that has accessed a first network, wherein the first information is used to indicate whether the terminal device is allowed to simultaneously access the second network when accessing

the first network, and the first network and the second network share the second network element; and

sending, by the second network element, the first information to the first network element, wherein the first information is used by the first network element to determine whether to send an access denied message or an access allowed message to the terminal device.

7. The method according to claim 6, wherein the determining, by a second network element, first information comprises:

obtaining, by the second network element, a locally configured identifier of at least one network that allows simultaneous access of the terminal device; and

determining, by the second network element, the first information according to whether the at least one network comprises the first network.

8. The method according to claim 6 or 7, wherein the second network element is an access and mobility management function (AMF) or unified data management (UDM).

9. The method according to any one of claims 6 to 8, wherein the first network is a non-public network (NPN), and the second network is a public land mobile network (PLMN).

10. A terminal device (500), comprising:

a processing unit (510), configured to obtain first information, wherein the first information is used to indicate whether the terminal device is allowed to simultaneously access a second network when accessing a first network; and

the processing unit is further configured to determine, according to the first information, whether to initiate an access request to the second network when the terminal device accesses the first network.

11. The terminal device according to claim 10, wherein the processing unit is specifically configured to:

obtain the first information from a universal subscriber identity module (USIM) of the

terminal device or a memory of the terminal device.

12. The terminal device according to claim 10, further comprising a receiving unit, wherein the processing unit is specifically configured to:

receive, by using the receiving unit, the first information sent by a second network element of the second network before the terminal device accesses the first network.

13. The terminal device according to claim 12, wherein the second network element is an access and mobility management function (AMF) or unified data management (UDM).

14. The terminal device according to any one of claims 10 to 13, wherein the first information is a data network name (DNN) or single-network slice selection assistance information (S-NSSAI).

15. A network device, wherein the network device is a second network element of a second network, and the network device comprises:

a processing unit, configured to determine first information, wherein the first information is used to indicate whether a terminal device is allowed to simultaneously access the second network when accessing a first network, and the first network and the second network share the second network element; and

a sending unit, configured to send the first information determined by the processing unit to a first network element, wherein the first information is used by the first network element to determine whether to send an access denied message or an access allowed message to the terminal device.