

CLAIMS

1. An access method, comprising:
 - determining, by a terminal, a target Access Class Barring (ACB) control parameter according to target feature information, the target feature information comprising at least one of: a priority of the terminal, information of a service to which data to be transmitted belongs, or information of a core network providing a service to which data to be transmitted belongs; and
 - accessing, by the terminal, a network device according to the target ACB control parameter.
2. The method of claim 1, wherein the information of the service to which the data to be transmitted belongs comprises at least one of:
 - a priority of the service to which the data to be transmitted belongs,
 - an application class of the service to which the data to be transmitted belongs,
 - a type of a call triggered by transmission of the service to which the data to be transmitted belongs,
 - a type of the service to which the data to be transmitted belongs, or
 - Quality of Service (QoS) required for transmission of the service to which the data to be transmitted belongs.
3. The method of claim 1 or 2, wherein the information of the core network providing the service to which the data to be transmitted belongs comprises at least one of:
 - a type of the core network,
 - an identifier of the core network, or
 - an identifier of a Public Land Mobile Network (PLMN) containing the core network.
4. The method of any one of claims 1-3, wherein the target feature information further comprises an Access Class (AC) of the terminal.
5. The method of any one of claims 1-4, wherein determining, by the terminal, the target ACB control parameter according to the target feature information comprises:

determining, by the terminal, the target ACB control parameter according to the target feature information and mapping relationships between feature information and ACB control parameters.

6. The method of claim 5, wherein the target feature information is the information of the core network providing the service to which the data to be transmitted belongs, and

determining, by the terminal, the target ACB control parameter according to the target feature information and the mapping relationships between the feature information and the ACB control parameters comprises:

determining, by the terminal, the target ACB control parameter according to the information of the core network providing the service to which the data to be transmitted belongs and mapping relationships between information of core networks and ACB control parameters.

7. The method of claim 5, wherein the target feature information is the information of the service to which the data to be transmitted belongs, and

determining, by the terminal, the target ACB control parameter according to the target feature information and the mapping relationships between the feature information and the ACB control parameters comprises:

determining, by the terminal, the target ACB control parameter according to the information of the service to which the data to be transmitted belongs and mapping relationships between information of services and ACB control parameters.

8. The method of any one of claims 1-7, wherein accessing, by the terminal, the network device according to the target ACB control parameter comprises one of:

establishing, by the terminal, a Radio Resource Control (RRC) connection with the network device according to the target ACB control parameter;

establishing, by the terminal, a Non-Access Stratum (NAS) connection with the network device according to the target ACB control parameter; or

sending, by the terminal, an uplink Scheduling Request (SR) to the network device.

9. The method of any one of claims 1-8, wherein the target ACB control parameter comprises an access grant identifier indicating that the terminal accesses the network device and an access barring identifier, and

accessing, by the terminal, the network device according to the target ACB control parameter comprises:

accessing, by the terminal, the network device according to the access grant identifier.

10. The method of any one of claims 1-8, wherein the target ACB control parameter comprises at least one of an access probability or Access Class (AC) barring time,

the method further comprises:

determining, by the terminal, a target access probability, and

accessing, by the terminal, the network device according to the target ACB control parameter comprises:

responsive to that the target access probability is less than or equal to the access probability and the AC barring time elapses, accessing, by the terminal, the network device; or

responsive to that the target access probability is greater than the access probability, accessing, by the terminal, the network device.

11. A terminal, comprising:

a determination unit, configured to determine a target Access Class Barring (ACB) control parameter according to target feature information, the target feature information comprising at least one of: a priority of the terminal, information of a service to which data to be transmitted belongs, or information of a core network providing a service to which data to be transmitted belongs; and

an access unit, configured to access a network device according to the target ACB control parameter determined by the determination unit.

12. The terminal of claim 11, wherein the information of the service to which the data to be transmitted belongs comprises at least one of:

a priority of the service to which the data to be transmitted belongs,

an application class of the service to which the data to be transmitted belongs,

a type of a call triggered by transmission of the service to which the data to be transmitted belongs,

a type of the service to which the data to be transmitted belongs, or

Quality of Service (QoS) required for transmission of the service to which the data to be transmitted belongs.

13. The terminal of claim 11 or 12, wherein the information of the core network providing the service to which the data to be transmitted belongs comprises at least one of:

a type of the core network,

an identifier of the core network, or

an identifier of a Public Land Mobile Network (PLMN) containing the core network.

14. The terminal of any one of claims 11-13, wherein the target feature information further comprises an Access Class (AC) of the terminal.

15. The terminal of any one of claims 11-14, wherein the determination unit is configured to:

determine the target ACB control parameter according to the target feature information and mapping relationships between feature information and ACB control parameters.

16. The terminal of claim 15, wherein the target feature information is the information of the core network providing the service to which the data to be transmitted belongs, and

the determination unit is further configured to:

determine the target ACB control parameter according to the information of the core network providing the service to which the data to be transmitted belongs and mapping relationships between information of core networks and ACB control parameters.

17. The terminal of claim 15, wherein the target feature information is the

information of the service to which the data to be transmitted belongs, and

the determination unit is further configured to:

determine the target ACB control parameter according to the information of the service to which the data to be transmitted belongs and mapping relationships between information of services and ACB control parameters.

18. The terminal of any one of claims 11-17, wherein the access unit is configured to perform one of:

establishing a Radio Resource Control (RRC) connection with the network device according to the target ACB control parameter;

establishing a Non-Access Stratum (NAS) connection with the network device according to the target ACB control parameter; or

sending an uplink Scheduling Request (SR) to the network device.

19. The terminal of any one of claims 11-18, wherein the target ACB control parameter comprises an access grant identifier indicating that the terminal accesses the network device and an access barring identifier, and

the access unit is configured to:

access the network device according to the access grant identifier.

20. The terminal of any one of claims 11-18, wherein the target ACB control parameter comprises at least one of an access probability or Access Class (AC) barring time,

the determination unit is further configured to determine a target access probability, and

the access unit is configured to:

responsive to that the target access probability is less than or equal to the access probability and the AC barring time elapses, access the network device; or

responsive to that the target access probability is greater than the access probability, access the network device.