CLAIMS

1. A service category congestion control method, comprising:

sending, by a terminal, service request information, the service request information comprising information corresponding to a request initiated by the terminal in a connected mode for establishing a bearer of a target service and the service request information comprising a service category of the target service; and

receiving, by the terminal, indication information indicating that the terminal is barred from establishing or allowed to establish the bearer of the target service of the service category.

2. The method according to claim 1, wherein the sending service request information comprises:

sending, by the terminal, the service request information to a core network device through a Non-Access Stratum NAS of the terminal; and

wherein the receiving indication information indicating that the terminal is barred from establishing or allowed to establish the bearer of the target service of the service category comprises:

receiving, by the terminal, indication information indicating that the terminal is barred from establishing the bearer of the target service from the core network device through the NAS, or receiving, by the terminal, indication information indicating that the terminal is allowed to establish the bearer of the target service from an access network device through an Access Stratum, AS, of the terminal.

3. The method according to claim 1, wherein the sending service request information comprises:

sending, by the terminal, the service request information to an access network device through a Non-Access Stratum NAS of the terminal; and

wherein receiving the indication information indicating that the terminal is barred from establishing or allowed to establish the bearer of the target service of the service category comprises:

receiving, by the terminal, the indication information indicating that the terminal is barred from establishing the bearer of the target service from the access network device through an Access Stratum, AS, of the terminal.

4. A service category congestion control method, comprising:

acquiring service request information, the service request information comprising information corresponding to a request initiated by a terminal in a connected mode for establishing a bearer of a target service and the service request information comprising a service category of the target service;

acquiring service category barring information, the service category barring information comprising a barring parameter corresponding to the service category of the target service in the connected mode; and

judging, according to the barring parameter, whether the terminal is to be barred from establishing the bearer of the target service of the service category,

wherein the method is executed by an access network device,

wherein the acquiring service request information comprises:

receiving the service request information sent by a core network device, the service request information notifying the access network device that the NAS of the terminal has sent the service request to the core network device and the service request information comprising the service category of the target service; or

receiving the service request information sent by an AS of the terminal; and

wherein the acquiring service category barring information comprises:

generating the service category barring information, the service category barring information comprising the multiple service categories and the barring parameters corresponding to the multiple service categories respectively.

5. The method according to claim 4, wherein when the service request information received from the core network device, the method further comprises:

when it is determined that the terminal is barred from establishing the bearer of the target service according to the barring parameter, sending, by the access network device, third indication information indicating that establishment of the bearer of the target service is barred to the core network device, to enable the core network device to notify the NAS of the terminal of bar establishment of the bearer of the target service;

or,

when it is determined that the terminal is allowed to establish the bearer of the target service according to the barring parameter, sending to the AS of the terminal, by the access network device, fourth indication information indicating that establishment of the bearer of the target service is allowed.

6. The method according to claim 4, wherein when the service request information is received from the AS of the terminal, the method further comprises:

when it is determined that the terminal is barred from establishing the bearer of the target service according to the barring parameter, sending to the AS of the terminal, by the access network device, fifth indication information indicating that establishment of the bearer of the target service is barred;

or,

when it is determined that the terminal is allowed to establish the bearer of the target service according to the barring parameter, sending to a core network device, by the access network device, sixth indication information indicating that establishment of the bearer of the target service is allowed.

7. A service category congestion control method, comprising:

acquiring service request information, the service request information comprising information corresponding to a request initiated by a terminal in a connected mode for establishing a bearer of a target service and the service request information comprising a service category of the target service;

acquiring service category barring information, the service category barring information comprising a barring parameter corresponding to the service category of the target service in the connected mode; and

judging, according to the barring parameter, whether the terminal is to be barred from establishing the bearer of the target service of the service category,

wherein the method is executed by a core network device,

wherein the acquiring service request information comprises:

receiving the service request information sent by the NAS of the terminal; and

wherein the acquiring service category barring information comprises:

receiving the service category barring information sent by the access network device, the service category barring information comprising the multiple service categories and the barring parameters corresponding to the multiple service categories respectively.

8. The method according to claim 7, further comprising:

when it is determined that the terminal is barred from establishing the bearer of the target service according to the barring parameter, sending to the NAS of the terminal, by the core

network device, seventh indication information indicating that establishment of the bearer of the target service is barred;

or,

when it is determined that the terminal is allowed to establish the bearer of the target service according to the barring parameter, sending to the access network device, by the core network device, eighth indication information indicating that establishment of the bearer of the target service is allowed.

9. The method according to claim 4, comprising:

receiving the service request sent by a Non-Access Stratum (NAS) of the terminal, the service request being a request initiated by the terminal in a connected mode for establishing a bearer of a target service and the service request comprising a service category of the target service; and

sending service request information to the access network device, the service request information notifying the access network device that the NAS of the terminal has sent the service request to the core network device and the service request information comprising the service category of the target service.

10. The method according to claim 9, further comprising:

receiving, from the access network device, indication information indicating that the terminal is barred from establishing the bearer of the target service of the service category; and

notifying the terminal that establishment of the bearer of the target service is barred.

11. The method according to any of claims 4 to 8, wherein the barring parameter is a barring probability, and the method further comprises:

acquiring a random number generated by the terminal for the target service; and

wherein the judging, according to the barring parameter, whether the terminal is to be barred from establishing the bearer of the target service comprises:

when the random number is smaller than the barring probability, barring the terminal from establishing the bearer of the target service; or

when the random number is larger than the barring probability, allowing the terminal to establish the bearer of the target service,

wherein the barring probability is lower than or equal to an access barring probability configured for the service category of the target service in an idle mode.

12. A service category congestion control terminal, comprising:

a sending module, configured to send service request information, the service request information comprising information corresponding to a request for establishing a bearer of a target service initiated by the terminal in a connected mode and the service request information comprising a service category of the target service; and

a receiving module, configured to receive indication information indicating that the terminal is barred from establishing or allowed to establish the bearer of the target service of the service category.

13. The terminal according to claim 12, wherein the sending module is configured to:

send the service request information to a core network device through a Non-Access Stratum, NAS of the terminal; and

wherein the receiving module is configured to:

receive indication information indicating that the terminal is allowed to establish the bearer of the target service from an access network device through an Access Stratum, AS of the

terminal.

14. The terminal according to claim 12, wherein the sending module is configured to:

send the service request information to the access network device through an Access Stratum, AS of the terminal; and

wherein the receiving module is configured to:

receive the indication information indicating that the terminal is barred from establishing the bearer of the target service from the access network device through the AS.

15. The terminal according to claim 12, wherein the sending module is configured to:

send the service request information to the core network device through a Non-Access Stratum, NAS of the terminal; and

wherein the receiving module is configured to:

receive the indication information indicating that the terminal is barred from establishing the bearer of the target service from the core network device through the NAS.