

CLAIMS

1. A paging failure processing method, comprising:

under a condition that downlink data for a terminal device is needed to be transmitted, determining, by an access network device, that paging initiated to the terminal device by the access network device failed; and

transmitting, by the access network device, first indication information to a Core Network (CN) device, wherein the first indication information indicates that paging initiated to the terminal device by the access network device failed;

wherein the first indication information is carried in a connection release request message, and the connection release request message is used to request for releasing connection in relation to the terminal device between the CN device and the access network device;

wherein, before determining, by the access network device, paging initiated to the terminal device by the access network device failed, the method further comprises:

receiving, by the access network device, second indication information transmitted by the CN device, wherein the second indication information indicates that there is downlink data for the terminal device to be transmitted and does not include the downlink data for the terminal device to be transmitted; and

transmitting, by the access network device, a paging message to the terminal device according to the second indication information;

wherein, after determining, by the access network device, paging initiated to the terminal device by the access network device failed, the method further comprises:

transmitting, by the access network device, third indication information to the CN device, wherein the third indication information indicates that the downlink data for the terminal device to be transmitted cannot be transmitted.

2. A paging failure processing method, comprising:

receiving, by a Core Network, CN, device, first indication information transmitted by an access network device, wherein the first indication information indicates that paging initiated to a terminal device by the access network device failed; and

initiating, by the CN device, paging to the terminal device according to the first indication information;

wherein the first indication information is carried in a connection release request message, the connection release request message is used to request for releasing connection in relation to the terminal device between the CN device and the access network device;

wherein, before receiving, by the CN device, the first indication information transmitted by the access network device, the method further comprises:

transmitting, by the CN device, second indication information to the access network device, wherein the second indication information indicates that there is downlink data for the terminal device to be transmitted and does not include the downlink data for the terminal device to be transmitted;

wherein, after transmitting, by the CN device, the second indication information to the access network device, the method further comprises:

receiving, by the CN device, third indication information transmitted by the access network device, wherein the third indication information indicates that the downlink data for the terminal device to be transmitted cannot be transmitted.

3. The method of claim 2, further comprising:

releasing, by the CN device, connection of the terminal device between the CN device and the access network device according to the connection release request message.

4. An access network device, configured to perform the method of claim 1.

5. A Core Network (CN) device, configured to perform the method of any one of claims 2-3.