

WHAT IS CLAIMED IS:

1. A method for reporting information, performed by a terminal, comprising:
storing non-public network (NPN) information in a connection establishment failure (CEF) report variable in response to triggering a CEF, wherein the NPN information indicates an NPN cell where the CEF occurs; and
sending a CEF report corresponding to the CEF report variable to a network device.
2. The method of claim 1, wherein the NPN information comprises an NPN identifier and a cell identifier corresponding to a failed cell.
3. The method of claim 1 or 2, wherein sending the CEF report corresponding to the CEF report variable to the network device comprises:
sending the CEF report corresponding to the CEF report variable to the network device in response to the CEF report variable comprising registered NPN information.
4. The method of any one of claims 1 to 3, further comprising:
determining that the terminal triggers the CEF in response to determining that a timer expires, wherein the timer indicates a duration for establishing or resuming a radio resource control (RRC) connection.
5. The method of any one of claims 1 to 4, further comprising:
receiving request information sent by the network device, wherein the request information indicates the terminal to send the CEF report.
6. The method of claim 5, further comprising:
sending an availability indication to the network device, wherein the availability indication is used to indicate whether corresponding CEF information is available.
7. The method of any one of claims 1 to 6, further comprising:
sending capability indication information to the network device, wherein the capability indication information indicates whether the terminal has a capability of supporting execution of storing the NPN information in the CEF report and reporting the NPN information.
8. The method of any one of claims 1 to 6, further comprising:

receiving configuration information sent by the network device, wherein the configuration information is used to configure the terminal to store the NPN information.

9. The method of any one of claims 1 to 8, further comprising:

resetting a counter to zero and clearing a content included in the CEF report variable in response to registered NPN information of the terminal being not equal to the NPN information stored in the CEF report variable, wherein the counter is used to record a number of CEFs occurring at the terminal.

10. The method of any one of claims 1 to 8, further comprising:

clearing a content included in the CEF report variable in response to registered NPN information of the terminal being the same as the NPN information stored in the CEF report variable.

11. The method of any one of claims 1 to 10, further comprising:

discarding the CEF report after sending the CEF report to the network device.

12. A method for receiving information, performed by a network device, comprising:

receiving a connection establishment failure (CEF) report corresponding to a CEF report variable sent by a terminal, wherein non-public network (NPN) information is stored in the CEF report variable by the terminal in response to triggering a CEF, and the NPN information indicates an NPN cell where the CEF occurs.

13. The method of claim 12, wherein the NPN information comprises an NPN identifier and a cell identifier corresponding to a failed cell.

14. The method of claim 12 or 13, wherein the CEF report is sent by the terminal in response to the CEF report variable comprising registered NPN information.

15. The method of any one of claims 12 to 14, further comprising:

sending request information, wherein the request information indicates the terminal to send the CEF report.

16. The method of claim 15, further comprising:

receiving an availability indication sent by the terminal, wherein the availability indication is

used to indicate whether corresponding CEF information is available.

17. The method of any one of claims 12 to 16, further comprising at least one of:
receiving capability indication information sent by the terminal, wherein the capability indication information indicates whether the terminal has a capability of supporting execution of storing the NPN information in the CEF report and reporting the NPN information; or
sending configuration information to the terminal, wherein the configuration information is used to configure the terminal to store the NPN information.

18. A terminal, comprising:
a processor; and
a transceiver coupled to the processor;
wherein the processor is configured to perform the method for reporting information of any one of claims 1 to 11.

19. A network device, comprising:
a processor; and
a transceiver coupled to the processor;
wherein the processor is configured to perform the method for receiving information of any one of claims 12 to 17.

20. A computer-readable storage medium having stored therein executable program code, wherein the executable program code is loaded and executed by a processor to cause the method for reporting information of any one of claims 1 to 11 or the method for receiving information of any one of claims 12 to 17 to be implemented.