

WHAT IS CLAIMED IS:

1. An early identification method, performed by a base station, comprising:
determining a preset mode for terminal type information;
receiving the terminal type information sent by a terminal, wherein the terminal type information is used for early identification of the terminal; and
sending an initial UE message to a core network device, to notify that the terminal is a terminal that needs to be identified early.
2. The method of claim 1, wherein the terminal is one or more of:
a reduced capability (Redcap) terminal; or
a preset version of a new radio (NR) terminal.
3. The method of claim 1, wherein the preset mode is one or more of:
a first mode of receiving the terminal type information sent by the terminal through a first random access message (msg1) in a four-step random access procedure;
a second mode of receiving the terminal type information sent by the terminal through a third random access message (msg3) in a four-step random access procedure;
a third mode of receiving the terminal type information sent by the terminal through a random access message (msgA) of a physical random access channel (PRACH) in a two-step random access procedure;
a fourth mode of receiving the terminal type information sent by the terminal through a random access message (msgA) of a physical uplink shared channel (PUSCH) in a two-step random access procedure; or
a fifth mode of receiving the terminal type information sent by the terminal through a fifth message (msg5) in a random access procedure.
4. The method of claim 3,
wherein the msg1 is configured to indicate a preset random access resource, and/or,
the msgA of the PRACH in the two-step random access procedure is configured to indicate a preset random access resource;
wherein the preset random access resource is configured by the base station.
5. The method of claim 1, further comprising:
determining that the terminal is a terminal that needs to be identified early.
6. An early identification method, performed by a terminal, comprising:
sending terminal type information to a base station based on a preset mode determined by the base station, wherein the terminal type information is used for early identification of

the terminal, and in a case where the terminal is a terminal that needs to be identified early, the base station sends an initial UE message to a core network device to notify that the terminal is the terminal that needs to be identified early.

7. The method of claim 6, wherein the terminal is one or more of:

a reduced capability (Redcap) terminal; or

a preset version of a new radio (NR) terminal.

8. The method of claim 6, wherein the preset mode is one or more of:

a first mode of sending by the terminal the terminal type information to the base station through a first random access message (msg1) in a four-step random access procedure;

a second mode of sending by the terminal the terminal type information to the base station through a third random access message (msg3) in a four-step random access procedure;

a third mode of sending by the terminal the terminal type information to the base station through a random access message (msgA) of a physical random access channel (PRACH) in a two-step random access procedure;

a fourth mode of sending by the terminal the terminal type information to the base station through a random access message (msgA) of a physical uplink shared channel (PUSCH) in a two-step random access procedure; or

a fifth mode of sending by the terminal the terminal type information to the base station through a fifth message (msg5) in a random access procedure.

9. The method of claim 8,

wherein the msg1 is configured to indicate a preset random access resource, and/or,

the msgA of the PRACH in the two-step random access procedure is configured to indicate a preset random access resource;

wherein the preset random access resource is configured by the base station.

10. An early identification apparatus, comprising:

a determining module, configured to determine a preset mode for terminal type information;

a receiving module, configured to receive the terminal type information sent by a terminal, wherein the terminal type information is used for early identification of the terminal; and

a sending module, configured to send an initial UE message to a core network device, to notify that the terminal is a terminal that needs to be identified early.

11. An early identification apparatus, comprising:

a sending module, configured to send terminal type information to a base station based on a preset mode determined by the base station, wherein the terminal type information is used for early identification of a terminal, and in a case where the terminal is a terminal that needs to be identified early, the base station sends an initial UE message to a core network device to notify that the terminal is the terminal that needs to be identified early.

12. A base station, comprising:

a memory; and

a processor, coupled to the memory, wherein the processor is configured to execute computer-executable instructions stored on the memory to implement the method of any one of claims 1-5.

13. A terminal, comprising:

a memory; and

a processor, coupled to the memory, wherein the processor is configured to execute computer-executable instructions stored on the memory to implement the method of any one of claims 6-9.

14. A computer storage medium having computer-executable instructions stored thereon, wherein when the computer-executable instructions are executed by a processor, the method of any one of claims 1-5 or claims 6-9 is implemented.