

COMMUNICATION METHOD AND APPARATUS

ABSTRACT

This application provides a communication method and apparatus, to resolve a problem that random access fails because a bandwidth of a downlink message exceeds a baseband processing
5 capability of a terminal device. The method includes: sending a first physical random access channel to a network device; and if a first random access response corresponding to the first physical random access channel is not received in a first random access response time window, sending the first physical random access channel to the network device in a first time period, where
10 duration of the first time period is greater than duration of a second time period, the second time period is used by a second-type terminal device to re-perform random access when a second random access response is not received in a random access response time window, and the second random access response is a random access response corresponding to a physical random access channel sent by the second-type terminal device. When random access fails, a physical random access channel is resent in an extended first time period, so that a random access success
15 probability can be increased.

FIG. 5