

CLAIMS

1. A user equipment comprising:
transmitting circuitry configured to transmit a random access preamble based on a preamble index configured for a request of system information,
receiving circuitry configured to receive a medium access control (MAC) protocol data unit (PDU), and
processor circuitry configured to consider a random access procedure as successfully completed in a case that the MAC PDU comprises a MAC subheader including a random access preamble identifier (RAPID) corresponding to the preamble index,
wherein the RAPID included in the MAC subheader indicates that a MAC random access response (RAR) corresponding to the MAC subheader is not included in the MAC PDU.
2. The user equipment of claim 1, wherein the MAC RAR comprises at least one of a timing advance command, an uplink grant, and a temporary Cell Radio Network Temporary Identifier (C-RNTI).
3. The user equipment of claim 1, wherein the receiving circuitry is configured to receive information used for configuring at least one random access preamble for the request of the system information.
4. The user equipment of claim 1,
wherein the receiving circuitry is configured to receive information used for configuring physical random access channel (PRACH) resources for the request of the system information, and
wherein the transmitting circuitry is configured to transmit the random access preamble using the PRACH resources.
5. A base station apparatus comprising:
receiving circuitry configured to receive a random access preamble based on a preamble index configured for a request of system information,
processor circuitry configured to generate a medium access control (MAC) protocol data unit (PDU) comprising a MAC subheader including a random access preamble identifier corresponding to the preamble index, and

transmitting circuitry configured to transmit the MAC PDU,
 wherein the MAC subheader indicates that a random access procedure is considered as successfully completed, and the RAPID included in the MAC subheader indicates that a MAC random access response (RAR) corresponding to the MAC subheader is not included in the MAC PDU.

6. The base station apparatus of claim 5, wherein the MAC RAR comprises at least one of a timing advance command, an uplink grant, and a temporary Cell Radio Network Temporary Identifier (C-RNTI).

7. The base station apparatus of claim 5, wherein the transmitting circuitry is configured to transmit information used for configuring at least one random access preamble for the request of the system information.

8. The base station apparatus of claim 5,
 wherein the transmitting circuitry is configured to transmit information used for configuring physical random access channel (PRACH) resources for the request of the system information, and the receiving circuitry is configured to receive the random access preamble using the PRACH resources.

9. A method in a user equipment, comprising:
 transmitting a random access preamble based on a preamble index configured for a request of system information,
 receiving a medium access control (MAC) protocol data unit (PDU), and
 considering a random access procedure as successfully ~~complete~~-completed in a case that the MAC PDU comprises a MAC subheader including a random access preamble identifier (RAPID) corresponding to the preamble index,
 wherein the RAPID included in the MAC subheader indicates that a MAC random access response (RAR) corresponding to the MAC subheader is not included in the MAC PDU.

10. The method of claim 9, wherein the MAC RAR comprises at least one of a timing advance command, an uplink grant, and a temporary Cell Radio Network Temporary Identifier (C-RNTI).

- 11.** The method of claim 9, further comprising:
receiving information used for configuring at least one random access preamble for the request of the system information.
- 12.** The method of claim 9, further comprising:
receiving information used for configuring physical random access channel (PRACH) resources for the request of the system information, and
transmitting the random access preamble using the PRACH resources.
- 13.** A method in a base station apparatus, comprising:
receiving a random access preamble based on a preamble index configured for a request of system information,
generating a medium access control (MAC) protocol data unit (PDU) comprising a MAC subheader including a random access preamble identifier (RAPID) corresponding to the preamble index, and
transmitting the MAC PDU,
wherein the MAC subheader indicates that a random access procedure is considered as successfully completed, and the RAPID included in the MAC subheader indicates that a MAC random access response (RAR) corresponding to the MAC subheader is not included in the MAC PDU.
- 14.** The method of claim 13,
wherein the MAC RAR comprises at least one of a timing advance command, an uplink grant, and a temporary Cell Radio Network Temporary Identifier (C-RNTI).
- 15.** The method of claim 13, further comprising:
transmitting information used for configuring at least one random access preamble for the request of the system information.
- 16.** The method of claim 15, further comprising:
transmitting information used for configuring physical random access channel (PRACH) resources for the request of the system information, and
receiving the random access preamble using the PRACH resources.