CLAIMS

1. A terminal apparatus (1) comprising:

a reception unit (105) configured to receive, from a base station apparatus (3), an uplink grant on a physical downlink control channel; and

a transmission unit (107) configured to transmit based on the uplink grant, to the base station apparatus (3), a Medium Access Control Protocol Data Unit, MAC PDU, that includes a regular Buffer Status Report, BSR, wherein

a MAC PDU is not generated in a case that the MAC PDU includes only a periodic BSR and there is no available data for an uplink transmission, and

the periodic BSR is triggered in a case that a timer expires.

2. The terminal apparatus (1) according to claim 1, wherein

a MAC PDU is not generated in a case that the MAC PDU includes only a padding BSR.

3. A base station apparatus (3) comprising:

a transmission unit (307) configured to transmit, to a terminal apparatus (1), an uplink grant on a physical downlink control channel; and

a reception unit (305) configured to receive based on the uplink grant, from the terminal apparatus (1), a Medium Access Control Protocol Data Unit, MAC PDU, that includes a regular Buffer Status Report, BSR, wherein

a MAC PDU is not received in a case that the MAC PDU includes only a periodic BSR and there is no available data for an uplink transmission in the terminal apparatus (1), and

the periodic BSR is triggered in a case that a timer expires.

4. The base station apparatus (3) according to claim 3, wherein

a MAC PDU is not received in a case that the MAC PDU includes only a padding BSR.

5. A communication method of a terminal apparatus (1) comprising:

receiving, from a base station apparatus (3), an uplink grant on a physical downlink control channel; and

transmitting based on the uplink grant, to the base station apparatus (3), a Medium Access Control Protocol Data Unit, MAC PDU, that includes a regular Buffer Status Report, BSR, wherein

a MAC PDU is not generated in a case that the MAC PDU includes only a periodic BSR and there is no available data for an uplink transmission.

6. The communication method according to claim 5, wherein

a MAC PDU is not generated in a case that the MAC PDU includes only a padding BSR.

7. A communication method of a base station apparatus (3) comprising:

transmitting, to a terminal apparatus (1), an uplink grant on a physical downlink control channel; and

receiving based on the uplink grant, from the terminal apparatus (1), a Medium Access Control Protocol Data Unit, MAC PDU, that includes a regular Buffer Status Report, BSR, wherein

a MAC PDU is not received in a case that the MAC PDU includes only a periodic BSR and there is no available data for an uplink transmission in the terminal apparatus (1), and

the periodic BSR is triggered in a case that a timer expires.

8. The communication method according to claim 7, wherein

a MAC PDU is not received in a case that the MAC PDU includes only a padding BSR.