

CLAIMS

What is claimed is:

1. An uplink transmission method, wherein first information is information to be monitored by the terminal within a monitoring periodicity, and a first uplink transmission is a configured uplink transmission, the method comprises:

determining, based on configuration information of the terminal, a terminal behavior pattern, wherein the configuration information of the terminal is Radio Resource Control, RRC, configuration information; and

performing an uplink transmission based on the terminal behavior pattern,

wherein determining the terminal behavior pattern is determining whether to apply a first terminal behavior or a second terminal behavior; wherein

the first terminal behavior comprises: in a case that the terminal detects no first information within the monitoring periodicity, canceling transmitting the first uplink transmission that is within the monitoring periodicity; and

the second terminal behavior comprises: in a case that the terminal detects no first information within the monitoring periodicity, transmitting the first uplink transmission that is within the monitoring periodicity,

characterized in that

the monitoring periodicity is a slot format indicator, SFI, monitoring periodicity; and

the first information is an SFI transmitted through a physical downlink control channel, PDCCH,

wherein in a case that any one of the following is satisfied, the terminal monitors the SFI transmitted through the PDCCH within the SFI monitoring periodicity:

for a serving cell in which the configured uplink transmission is located, the terminal is configured to monitor for the SFI transmitted through the PDCCH, and the configured uplink transmission is configured on a flexible symbol indicated by a semi-static slot format configuration; and

for a serving cell in which the configured uplink transmission is located, the terminal is configured to monitor for the SFI transmitted through the PDCCH, and the terminal has no semi-static slot format configuration.

2. The method according to claim 1, wherein in a case that a frame based equipment, FBE, operation is performed, the transmitting a first uplink transmission that is within the monitoring periodicity comprises:

setting to start transmitting the configured uplink transmission from a fixed frame period, FFP, starting position;

or,

scheduling to start transmitting the dynamic scheduled uplink transmission from an FFP starting position.

3. The method according to claim 1 or 2, wherein

the method further comprises: in a case that a conflict occurs between an uplink transmission and a configured downlink reception in the terminal, performing the uplink transmission.

4. A terminal, the terminal comprises:

a determining module, configured to determine, based on configuration information of the terminal, a terminal behavior pattern, wherein the first information is information to be monitored by the terminal within a monitoring periodicity, and the first uplink transmission is a configured uplink transmission, wherein the configuration information of the terminal is Radio Resource Control, RRC, configuration information; and

a transmission module, configured to perform an uplink transmission based on the terminal behavior pattern,

wherein the determining module is further configured to determine whether to apply a first terminal behavior or a second terminal behavior, wherein

the first terminal behavior comprises: in a case that the terminal detects no first information within the monitoring periodicity, canceling transmitting the first uplink transmission that is within the monitoring periodicity; and

the second terminal behavior comprises: in a case that the terminal detects no first information within the monitoring periodicity, transmitting the first uplink transmission that is within the monitoring periodicity,

characterized in that

the monitoring periodicity is a slot format indicator, SFI, monitoring periodicity; and

the first information is an, SFI, transmitted through a physical downlink control channel, PDCCH,

wherein in a case that any one of the following is satisfied, the terminal monitors the SFI transmitted through the PDCCH within the SFI monitoring periodicity:

for a serving cell in which the configured uplink transmission is located, the terminal is configured to monitor for the SFI transmitted through the PDCCH, and the configured uplink transmission is configured on a flexible symbol indicated by a semi-static slot format configuration; and

for a serving cell in which the configured uplink transmission is located, the terminal is configured to monitor for the SFI transmitted through the PDCCH, and the terminal has no semi-static slot format configuration.

5. The terminal according to claim 4, wherein in a case that a frame based equipment, FBE, operation is performed, the transmitting a first uplink transmission that is within the monitoring periodicity comprises:

setting to start transmitting the configured uplink transmission from a fixed frame period, FFP, starting position;

or,

scheduling to start transmitting the dynamic scheduled uplink transmission from an FFP starting position.

6. The terminal according to claim 4 or 5, wherein

the transmission module is further configured to: in a case that a conflict occurs between an uplink transmission and a configured downlink reception in the terminal, perform the uplink transmission.

7. A computer-readable storage medium, storing a computer program, characterized in that when the computer program is executed by a processor, the steps of the uplink transmission method according to any one of claims 1 to 3 are implemented.