

proposes a method of configuring CBG, a method of configuring HARQ-ACK (hereinafter abbreviated A/N) feedback, a method of operating a reception soft buffer of a UE, a method of handling a specific mismatch situation, and the like.

For clarity, the proposed methods of the present invention are sorted into various embodiments, which are usable by being combined together.

Abbreviations/terms used in the present invention are described as follows.

- TBS: TB size. Total number of bits configuring TB
- CB: Code block
- CB size: Total number of bits configuring CB
- CBG: Code block group. All CBs (configuring a single TB) may be configured as a single CBG, some of a plurality of CBs may be configured as a single CBG, or each CB may be configured as a single CBG.

- A/N: HARQ-ACK response. Namely, this may mean ACK, NACK, or DTX. DTX indicates a case of missing a PDCCH. A/N bit may be set to 1 in case of ACK, or set to 0 in case of NACK. This may be used equivalent to HARQ-ACK or ACK/NACK.

- CBG-based A/N: Since CRC is not attached to CBG, it is able to generate A/N based on error check result(s) of CB(s) in CBG. For example, if all CBs in CBG are successfully detected, a UE sets A/N response (or A/N bit) for CBG to ACK. If any one of CBs in CBG is not successfully detected, a UE may set A/N response (or A/N bit) for CBG to NACK [logical AND]. A/N payload for CBG(s) of TB includes a plurality of A/N (response) bits, and each A/N (response) bit corresponds to CBG of TB by 1:1.

- CBG-based retransmission: TB retransmission can be performed in unit of CBG in response to CBG-based A/N. For example, in case of retransmitting TB to a UE, a BS can perform a retransmission of CBG for which NACK is received from a UE. In doing so, in case of a retransmission of a TB corresponding to the same HARQ process as a previous transmission of the TB, CB(s) in CBG is maintained identical to that in case of an initial transmission of the TB.

- CBG size: The number of CBs configuring CBG

- CBG index: Index for identifying CBG. According to a context, CBG index is equivalently usable as CBG having the corresponding index.

- Symbol: This may mean OFDMA symbol or SC-FDMA symbol unless distinguished separately.

- floor(X): Descending function. This means a maximum integer equal to or smaller than X.

- ceiling(X): Ascending function. This means a minimum integer equal to or greater than