

CLAIMS

1. A terminal apparatus comprising:
 - an upper layer processing unit configured to receive a configuration list related to a channel state information report and information related to a trigger of the channel state information report;
 - a reception unit configured to receive, via a physical downlink control channel, downlink control information including a channel state information request field; and
 - a transmission unit configured to transmit the channel state information report based on the channel state information request field, wherein
 - the transmission unit is configured to transmit the channel state information report of an activated downlink BWP related to the channel state information request field, in a case that the channel state information report is triggered and the downlink BWP is active,
 - the transmission unit is further configured not to transmit a channel state information report of a deactivated downlink BWP, in a case that the channel state information is triggered and the downlink BWP is inactive,
 - the configuration list related to the channel state information report indicates a plurality of channel state information trigger states,
 - the information related to the trigger of the channel state information report indicates a size N_{TS} of the channel state information request field in the downlink control information,
 - each of code points of the channel state information request field is mapped to one of the plurality of channel state information trigger states, one of the plurality of channel state information trigger states is selected by a MAC processing unit of the terminal apparatus, in a case that a number of channel state information trigger states in the plurality of channel state information trigger states is greater than $2^{(N_{TS})}-1$,
 - the channel state information request field directly indicates the selected one of the plurality of channel state information trigger states and a QCL assumption in a case that the number of channel state information trigger states in the plurality of the channel state information trigger states is equal to or less than $2^{(N_{TS})}-1$,
 - the MAC processing unit is configured to give an indication of the selected one of the plurality of channel state information trigger states, and
 - one of the plurality of channel state information trigger states corresponding to “1” in the indication is mapped to a code point of the channel state information request field.

2. A communication method used for a terminal apparatus, the communication method comprising:

receiving a configuration list related to a channel state information report and information related to a trigger of the channel state information report;

receiving, via a physical downlink control channel, downlink control information including a channel state information request field; and

transmitting the channel state information report based on the channel state information request field, wherein

the channel state information report of an activated downlink BWP related to the channel state information request field is transmitted, in a case that the channel state information report is triggered and the downlink BWP is active,

a channel state information report of a deactivated downlink BWP is not transmitted, in a case that the channel state information is triggered and the downlink BWP is inactive,

the configuration list related to the channel state information report indicates a plurality of channel state information trigger states,

the information related to the trigger of the channel state information report indicates a size N_{TS} of the channel state information request field in the downlink control information,

each of code points of the channel state information request field is mapped to one of the plurality of channel state information trigger states, one of the plurality of channel state information trigger states is selected by the terminal apparatus, in a case that a number of channel state information trigger states in the plurality of channel state information trigger states is greater than $2^{(N_{TS})}-1$,

the channel state information request field directly indicates the selected one of the plurality of channel state information trigger states and a QCL assumption in a case that the number of channel state information trigger states in the plurality of the channel state information trigger states is equal to or less than $2^{(N_{TS})}-1$,

giving an indication of the selected one of the plurality of channel state information trigger states, and

one of the plurality of channel state information trigger states corresponding to "1" in the indication is mapped to a code point of the channel state information request field.

3. A base station apparatus comprising:

an upper layer processing unit configured to transmit a configuration list related to a channel state information report and information related to a trigger of the channel state information report;

a transmission unit configured to transmit, via a physical downlink control channel, downlink control information including a channel state information request field; and

a reception unit configured to receive the channel state information report based on the channel state information request field, wherein

the reception unit is configured to receive a channel state information report of an activated downlink BWP related to the channel state information request field in a case that the channel state information report is triggered and the downlink BWP is active,

the reception unit is further configured not to receive a channel state information report of a deactivated downlink BWP, in a case that the channel state information report is triggered and the downlink BWP is inactive,

the configuration list related to the channel state information report indicates a plurality of channel state information trigger states,

the information related to the trigger of the channel state information report indicates a size NTS of the channel state information request field in the downlink control information,

each of code points of the channel state information request field is mapped to one of the plurality of channel state information trigger states, one of the plurality of channel state information trigger states is selected by a terminal apparatus, in a case that a number of CSI trigger states in the plurality of channel state information trigger states is greater than $2^{(NTS)-1}$,

the channel state information request field directly indicates the selected one of the plurality of channel state information trigger states and a QCL assumption, in a case that the number of CSI trigger states in the plurality of the channel state information trigger states is equal to or less than $2^{(NTS)-1}$, and

one of the plurality of channel state information trigger states corresponding to “1” in the indication is mapped to a code point of the channel state information request field in a case of indication of the selected one of the plurality of channel state information trigger states.