

What is claimed is:

~~{Claim 1}~~

1. A ~~user-terminal~~ comprising:

~~a receiving section that performs monitoring of a downlink control channel during a beam failure recovery (BFR) procedure;~~
~~and~~

a control section that:

~~identifies correspondence between a format of downlink control information transmitted on the downlink control channel and a search space in which the monitoring is performed~~when a search space for a beam failure recovery (BFR) procedure associated with a control resource set (CORESET) for the BFR procedure is configured by a radio resource control (RRC) information element, controls to monitor downlink control channel during the BFR procedure in the search space for the BFR procedure configured by the RRC information element, and

when the search space is not configured by the RRC information element, controls to monitor downlink control channel during the BFR procedure in a common search space;
and

a receiving section that monitors downlink control channel during the BFR procedure.

~~{Claim 2}~~

~~— The user terminal according to claim 1, wherein the search space is configured as a search space for the BFR procedure associated with a control resource set (CORESET) for the BFR procedure being a target of the monitoring.~~

~~{Claim 3}~~

~~— The user terminal according to claim 1 or 2, wherein when the control section successfully decodes the downlink control information with cyclic redundancy check bits scrambled with an identifier corresponding to the user terminal in the BFR~~

~~procedure, the control section considers that the BFR procedure has succeeded.~~

~~{Claim 4}~~

~~— The user terminal according to claim 3, wherein
— when the control section successfully decodes the downlink control information with the cyclic redundancy check bits scrambled with the identifier after transmitting message 3 in the BFR procedure, the control section considers that the BFR procedure has succeeded.~~

~~{Claim 5}~~

2. A radio communication method for a user terminal, the radio communication method comprising:

when a search space for performing monitoring of a downlink control channel during a beam failure recovery (BFR) procedure associated with a control resource set (CORESET) for the BFR procedure is configured by a radio resource control (RRC) information element, controlling to monitor downlink control channel during the BFR procedure in the search space for the BFR procedure configured by the RRC information element, and

when the search space is not configured by the RRC information element, controlling to monitor downlink control channel during the BFR procedure in a common search space; and

identifying correspondence between a format of downlink control information transmitted on the monitoring downlink control channel during the BFR procedure and a search space in which the monitoring is performed.

3. A base station comprising:

a control section that:

when a search space for a beam failure recovery (BFR) procedure associated with a control resource set (CORESET) for the BFR procedure of a terminal is configured to the terminal by a radio resource control (RRC) information element, controls to transmit downlink control channel

during the BFR procedure in the search space for the BFR procedure configured by the RRC information element, and
when the search space is not configured to the terminal by the RRC information element, controls to transmit downlink control channel during the BFR procedure in a common search space; and
a transmitting section that transmits downlink control information via downlink control channel during the BFR procedure of the terminal.

4. A system comprising a terminal and a base station, wherein the terminal comprises:

a control section that:

when a search space for a beam failure recovery (BFR) procedure associated with a control resource set (CORESET) for the BFR procedure is configured by a radio resource control (RRC) information element, controls to monitor downlink control channel during the BFR procedure in the search space for the BFR procedure configured by the RRC information element, and

when the search space is not configured by the RRC information element, controls to monitor downlink control channel during the BFR procedure in a common search space; and

a receiving section that monitors downlink control channel during the BFR procedure; and

the base station comprises:

a transmitting section that transmits downlink control channel during the BFR procedure of the terminal.