

What is claimed is:

[Claim 1]

A terminal comprising:

a control section that, in a case where a random access procedure is initiated during a radio resource control (RRC) reconfiguration and a medium access control control element (MAC CE) activation of a transmission configuration indicator (TCI) state is not received for a control resource set (CORESET) other than a specified CORESET after the TCI state for the CORESET is configured, assumes that a demodulation reference signal (DMRS) antenna port associated with a physical downlink control channel (PDCCH) is quasi co-located with a synchronization signal block identified during the random access procedure or a channel state information reference signal identified during the random access procedure; and

a receiving section that receives the PDCCH.

[Claim 2]

The terminal according to claim 1, wherein in a case where a random access procedure is not initiated during the RRC reconfiguration, the control section assumes that the DMRS antenna port associated with the PDCCH is quasi co-located with a specified beam within a control element that is notified by the RRC reconfiguration.

[Claim 3]

The user terminal according to claim 2, wherein the specified beam is provided by a minimum ID within the control element.

[Claim 4]

A radio communication method for a terminal, comprising:

in a case where a random access procedure is initiated during a radio resource control (RRC) reconfiguration and a medium access control control element (MAC CE) activation of a

transmission configuration indicator (TCI) state is not received for a control resource set (CORESET) other than a specified CORESET after the TCI state for the CORESET is configured, assuming that a demodulation reference signal (DMRS) antenna port associated with a physical downlink control channel (PDCCH) is quasi co-located with a synchronization signal block identified during the random access procedure or a channel state information reference signal identified during the random access procedure; and receiving the PDCCH.

[Claim 5]

A base station comprising:

a control section that initiates a radio resource control (RRC) reconfiguration procedure; and

a transmitting section that, in a case where a random access procedure is initiated during the RRC reconfiguration and a medium access control control element (MAC CE) activation of a transmission configuration indicator (TCI) state is not received for a control resource set (CORESET) other than a specified CORESET after the TCI state for the CORESET is configured, transmits a physical downlink control channel (PDCCH) to a terminal that assumes that a demodulation reference signal (DMRS) antenna port associated with the PDCCH is quasi co-located with a synchronization signal block identified during the random access procedure or a channel state information reference signal identified during the random access procedure.

[Claim 6]

A system comprising a base station and a terminal, wherein

the base station comprises:

a control section that initiates a radio resource control (RRC) reconfiguration procedure, and

the terminal comprises:

a control section that, in a case where a random access procedure is initiated during the RRC reconfiguration and a medium access control control element (MAC CE) activation of a transmission configuration indicator (TCI) state is not received for a control resource set (CORESET) other than a specified CORESET after the TCI state for the CORESET is configured, assumes that a demodulation reference signal (DMRS) antenna port associated with a physical downlink control channel (PDCCH) is quasi co-located with a synchronization signal block identified during the random access procedure or a channel state information reference signal identified during the random access procedure; and

a receiving section that receives the PDCCH.