CLAIMS

1. A terminal comprising:

a receiving unit configured to receive first information and second information from a base station device, the first information indicating one or more bands that are to be candidates for a band combination, the second information indicating which Radio Access Technology, RAT, is to be used;

a control unit configured to determine, based on the second information, a supported band combination from the one or more bands included in the first information, and to determine at least one of a feature set of the supported band combination or a feature set combination corresponding to the supported band combination; and

a transmitting unit configured to transmit, to the base station device, terminal capability information including at least the supported band combination,

wherein, when the second information indicates NR, the control unit is configured to include only one or more bands configured for the NR in the supported band combination, and the control unit is configured to determine the feature set and the feature set combination of the supported band combination and configured to include the feature set and the feature set combination in the terminal capability information,

wherein, when the second information indicates E-UTRA, the control unit is configured to include one or more bands configured for the E-UTRA in the

supported band combination, and

wherein, when the second information indicates NR and E-UTRA, the control unit is configured to include at least one band configured for the NR and at least one band configured for the E-UTRA in the supported band combination, and the control unit is configured to determine the feature set combination corresponding to the determined supported band combination, and configured to include the feature set combination in the terminal capability information.

2. A base station device comprising:

a transmitting unit configured to transmit first information and second information to a terminal, the first information indicating one or more bands that are to be candidates for a band combination, the second information indicating which Radio Access Technology, RAT, is to be used;

a receiving unit configured to receive terminal capability information including a supported band combination that is determined from the one or more bands included in the first information based on the second information, and at least one of a feature set of the supported band combination or a feature set combination corresponding to the supported band combination;

the receiving unit configured to receive the terminal capability information including at least the supported band combination that is determined from the one or more bands included in the first information based on the second information; and

a control unit that control communication with

the terminal, based on the received terminal capability information,

wherein, when the second information indicates NR, the terminal capability information includes the supported band combination including only one or more bands configured for the NR, and the feature set and the feature set combination of the supported band combination,

wherein, when the second information indicates E-UTRA, the terminal capability information includes the supported band combination only including one or more bands configured for the E-UTRA, and

wherein, when the second information indicates NR and E-UTRA, the terminal capability information includes the supported band combination including at least one band configured for the NR and at least one band configured for the E-UTRA and the feature set combination corresponding to the supported band combination.

3. A communication method by a terminal, the method comprising:

a step of receiving first information and second information from a base station device, the first information indicating one or more bands that are to be candidates for a band combination, the second information indicating which Radio Access Technology, RAT, is to be used;

a step of determining, based on the second information, a supported band combination from the one or more bands included in the first information, and determining at least one of a

feature set of the supported band combination or a feature set combination corresponding to the supported band combination; and

a step of transmitting, to the base station device, terminal capability information including at least the supported band combination,

wherein, when the second information indicates NR, the step of determining includes only one or more bands configured for the NR in the supported band combination, and the step of determining determines the feature set and the feature set combination of the determined supported band combination and includes the feature set and the feature set combination in the terminal capability information,

wherein, when the second information indicates E-UTRA, the step of determining includes one or more bands configured for the E-UTRA in the supported band combination, and

wherein, when the second information indicates NR and E-UTRA, the step of determining includes at least one band configured for the NR and at least one band configured for the E-UTRA in the supported band combination, and the step of determining determines the feature set combination corresponding to the supported band combination, and includes the feature set combination in the terminal capability information.

4. A radio communication system comprising:

the terminal according to claim 1; and

the base station device configured to communicate with said terminal.