CLAIMS

Claim 1 A base station comprising:

control circuitry, which in operation, determines a format of a control signal based on a type of coordinated communication, the control signal including a first parameter field dependent on the type of coordinated communication and a second parameter field independent of the type of coordinated communication; and

transmission circuitry, which in operation, transmits the control signal to another base station,

wherein a length of the first parameter field dependent on the type of coordinated communication is variable according to the type pf the coordinated communication.

Claim 2 The base station according to claim 1, wherein

the second parameter field includes information indicating the type.

Claim 3 The base station according to claim 1, wherein

the control signal includes terminal individual information individual to a terminal connecting to a base station, and

information indicating the type is included in the terminal individual information.

Claim 4 The base station according to claim 3, wherein

the control circuitry performs resource allocation for the terminal connecting to the other base station.

Claim 5 The base station according to claim 1, wherein

the control signal includes terminal individual information individual to each of a plurality of terminals,

information indicating the type for each of the plurality of terminals is included in the terminal individual information, and

the control circuitry determines the format of the terminal individual information based on the type.

Claim 6 The base station according to claim 5, wherein

a size of the terminal individual information is common to the types or different for each of the types.

Claim 7 The base station according to claim 1, wherein

the control circuitry selects any one of a plurality of the formats based on a selection criterion, and

the transmission circuitry transmits the control signal including information indicating a type of the selected format.

Claim 8. The base station according to claim 1,

wherein the second parameter includes information identifying the another base station.

Claim 9. The base station according to claim 1, wherein

the control signal includes one or more first parameter fields respectively dependent on one or more types of coordinated communication.

Claim 10. The base station according to claim 9, wherein

at least two of the first parameter fields dependent on a different type of coordinated communication from each other.

Claim 11 A communication apparatus comprising:

a transmitter, which in operation, transmits information relating to a type of coordinated communication to a first base station; and

circuitry, which in operation, performs coordinated communication with a second base station in a format determined based on the information relating to the type of coordinated communication, wherein,

the format includes a first parameter field dependent on the type of coordinated communication and a second parameter field independent of the type of the coordinated communication, and

a length of the first parameter field dependent on the type of the coordinated

communication is variable according to the type of the coordinated communication.

Claim 12 A communication method comprising:

determining, by a base station, a format of a control signal based on a type of coordinated communication, the control signal including a first parameter field dependent on the type of coordinated communication and a second parameter field independent of the type of coordinated communication; and

transmitting, by the base station, the control signal to another base station, wherein a length of the first parameter field dependent on the type of the coordinated communication is variable according to the type of the coordinated communication.

Claim 13 A communication method comprising:

transmitting, by a communication apparatus, information relating to a type of coordinated communication to a first base station; and

performing, by the communication apparatus, coordinated communication with a second base station in a format including a first parameter field dependent on the type of coordinated communication and a second parameter field independent of the type of coordinated communication, based on the information relating to the type of coordinated communication, wherein,

a length of the first parameter field dependent on the type of the coordinated communication is variable according to the type of the coordinated communication.