IEEE 802.11-22/0046r1, Next 802.11 generation after 11be

NPL 4

IEEE 802.11-22/0059r0, Beyond 'be'

NPL 5

IEEE 802.11-22/0039r3, CR for 35.2.1.3 part -2

NPL 6

IEEE 802.11-21/0485r3, EHT TF Clarifications

Summary of Invention

[0004] There is scope for further study, however, on a method of allocating a transmission opportunity in radio communication such as wireless LAN.

[0005] One non-limiting and exemplary embodiment of the present disclosure facilitates providing an access point, a terminal, and a communication method each capable of improving the allocation efficiency of a transmission opportunity in radio communication.

[0006] In one aspect, an access point according to an exemplary embodiment of the present disclosure includes: control circuitry, which, in operation, generates a control signal that indicates uplink transmission from a plurality of terminals, the control signal including information on a transmission destination of the uplink transmission for each of the plurality of terminals; and transmission circuitry, which, in operation, transmits the control signal.

[0006a] In another aspect, a terminal according to an exemplary embodiment of the present disclosure includes: reception circuitry, which, in operation, receives a control signal that indicates uplink transmission from a plurality of terminals, the control signal including information on a transmission destination of the uplink transmission for each of the plurality of terminals; and control circuitry, which, in operation, controls the uplink transmission.

[0006b] In yet another aspects, a communication method, according to an exemplary

embodiment of the present disclosure includes: generating, by an access point, a control signal that indicates uplink transmission from a plurality from terminals, the control signal including information on a transmission destination of the uplink transmission for each of the plurality of terminals; and transmitting, by the access point, the control signal.

[0006c] In another aspect, a communication method, according to an exemplary embodiment of the present disclosure includes: receiving, by a terminal, a control signal that indicates uplink transmission from a plurality from terminals, the control signal including information on a transmission destination of the uplink transmission for each of the plurality of terminals; and controlling, by the terminal, the control signal.

[0007] It should be noted that general or specific embodiments may be implemented as a system, an apparatus, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

[0008] According to an exemplary embodiment of the present disclosure, it is possible to improve the allocation efficiency of a transmission opportunity in radio communication.

[0009] Additional benefits and advantages of the disclosed embodiments will become apparent from the specification and drawings. The benefits and/or advantages may be